CRITICAL APPRAISAL OF LEGAL-INSTITUTIONAL STRUCTURE OF REVENUE COURTS IN PAKISTAN: MINIMIZING SLUDGE IN AGRICULTURAL PROPERTY CASES

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ABSTRACT

This study was undertaken to analyse the revenue court system of Pakistan which is arguably a neglected segment of the country's justice system. As opposed to the civil courts, which deal with civil disputes involving (mostly urban) property; the revenue courts, although the term is a misnomer, deal with rural and agricultural property related cases.

Using Cass R. Sunstein's concept of "sludge", the research focussed on the economic impact of the debilitating legal and institutional structure of these courts at the individual as well as the collective levels. At the former level, the focus was on the economic costs of litigation on the individual litigant such as the direct expenses like court fees, indirect costs such as traveling, and finally, the psychological costs on him due to stress and strain of prolonged litigation. On the macro level, the collective costs of the sludge in revenue courts were calculated to ascertain how much of a drag it is on the national Gross Domestic Product (GDP). This entailed quantifying all those issues that makes it difficult for litigants, possessing agricultural property, to achieve their desired outcome of an early adjudication and secure property rights.

"Sludge" is basically any excessive friction that makes it harder for the people to do what they want to do. In Economic terms, Sludge was calculated by way of measuring avoidable costs that the litigants had to endure. The current study has built upon the pioneering study on sludge audits in Pakistan undertaken by Pakistan Institute of Development Economics (PIDE) by Haque et al. (2022) by focussing on sludge audit of another sector, i.e., the revenue courts.

The study found out that if a person gets involved in a litigation related to agricultural property, it may cost up to four fifths of their annual income in litigation-related costs at least in the year the case was instituted. The value of disputed land held up in litigation comes to nearly one fifth of the rural GDP. Much of this sludge is avoidable through smart governance such as digitization initiatives.

Deriving from best practices across Asia, the study concludes with making recommendations for sludge minimization in revenue case adjudication by proposing integrated solutions through enhanced digitization and simplified procedures, incentivization of judicial work for administrative officers and institution of mandatory training for officers working in the subordinate judiciary.

PREFACE

This seminal study on sludge audit of revenue (i.e. agricultural) courts in Pakistan was made possible by a generous research grant by RASTA program of Pakistan Institute of Development Economics (PIDE). Applying for the research grant itself was indeed a thrilling experience. Competing with nearly 200 or so research proposals from across the country through a multi-stage shortlisting process was both gruelling and challenging. However, making it to the final list of Awardees was a great satisfaction and professional achievement for all of the team members.

We started the research with a lot of enthusiasm but found the research process, especially the field surveys, much more difficult than we could have imagined. Making the questionnaires easy enough to be understood by (mostly semi-literate) litigants, but comprehensive enough to be of relevance and utility to the research team, was itself a feat to be accomplished. The logistic and social issues in conducting surveys from futile research trips due to unexpected lawyer strikes, to reluctance of litigants in responding to personal questions such as monthly income, to the discipline issues of the enumerators hired to conduct surveys, were serious, though not insurmountable hurdles. However, we were able to go through the roller coaster by a mix of team spirit, resilience, and fortitude.

We would like to extend our profound gratitude to the Vice Chancellor PIDE University Dr. Nadeem Ul Haque, Project Director, RASTA Dr. Faheem Jehangir Khan, the two mentors of our team, Dr Zafar ul Hassan and Dr. Ahmed Waqar Qasim, along with all the RAC Members of the RASTA CGP Award (Round 4.0) for their support and guidance. We would be failing if we do not mention Dr Sajid Khan and Nazim Maqbool for always being available for us. We are also indebted to the RASTA programme for providing access to their published reports/books of the CGP and DDR awarded projects as a resource guide to support the research in this study.

We also gratefully acknowledge the support we got from the incumbent Senior Members Board of Revenue, Punjab and Khyber Pakhtunkhwa (Nabeel Javed and Ikramullah Khan) and their immediate predecessor SMBRs, Babar Hayat Tarar and Zakir Afridi, respectively; MBRs Mohammad Khan Ranjha and Tariq Qureshi, and the Director General, Punjab Land Records Authority, Saira Omar for taking time out for sharing their insights with us in response to our questionnaires. In addition, we want to register our appreciation for Imran Hamed Shaikh and Dr Samman Abbas, Deputy Commissioner and the Additional Deputy Commissioners of Faisalabad, respectively and Ms Zoha Shakir, ADCR of Toba Tek Singh who were particularly helpful in facilitating our survey teams in conducting their work.

We are happy to have contributed to an area where not much research had been done before. We hope and trust that our endeavour will go a long way in transforming the revenue court system in Pakistan.

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LIST OF ABBREVIATIONS

| AC | Assistant Collector/Assistant Commissioner |
|---------|--|
| ADCR | Additional Deputy Commissioner Revenue |
| AMIS | Agriculture Marketing Information Service |
| ARC | Arazi (i.e. Land) Record Center |
| BoR | Board of Revenue |
| CCLA | Chief Commissioner of Land Administration [in India] |
| СРС | Civil Procedure Code [1908] |
| DC | District Collector/ Deputy Commissioner |
| DILRMP | Digital India Land Records Modernization Programme |
| GDP | Gross Domestic Product |
| KPK/KPk | Khyber Pakhtunkhwa |
| MBR | Member Board of Revenue |
| NIPP | National Institute of Public Policy |
| PAS | Pakistan Administrative Service |
| PI | Principal Investigator |
| PIDE | Pakistan Institute of Development Economics |
| PLRA | Punjab Land Records Authority [in Pakistan] |
| PMS | Provincial Management Service |
| PPC | Pakistan Penal Code |
| RASTA | Research for Social Transformation and Advancement |
| RCCMS | Revenue Court Case Monitoring System [in Karnataka, India] |
| RCMS | Revenue Case Management System [by BoR, Punjab, Pakistan] |
| RTC | Rights, Tenancy and Crops |
| RO | Revenue Officer |
| SMBR | Senior Member Board of Revenue |
| USAID | United States Agency for International Development |
| WPLRA | West Pakistan Land Revenue Act |
| | |

INTRODUCTION

1.1 Background and context of the study

Land is probably the most expensive and most important asset for the people, especially in the rural areas of Pakistan. This is depicted by the fact that not only 60%-70% of the civil litigation in the country pertains to landed property but also 40%-50% of criminal litigation is invariably due to land related matters (Siddique, 2020). The latter fact was further substantiated by our interviews with various police officers in the Central Police Office as well as in the field formations.¹ A former senior police officer in Sargodha stated that, in the rural areas, around 90 percent of the murder and violent crimes could be attributed to land and water disputes. These agricultural land and irrigation water disputes are the preserve of Revenue Courts in Pakistan. It is a sad fact that it ordinarily takes decades to get a ruling on a property case. A testament to this fact is that in 2018, the Supreme Court of Pakistan announced its verdict in a property dispute case that was instituted a century back circa 1920. (The News, 2018)

Revenue Courts, though the name may be a misnomer, are—in simple terms—specialized courts specifically dealing with disputes and issues pertaining to agricultural land matters, as opposed to civil courts which deal with disputes involving urban property, family matter or monetary issues. The Revenue Courts have been defined in section 5(2) of the Code of Civil Procedure (1908) as "[a] *Court having jurisdiction under any local law to entertain suits or other proceedings relating to the rent, revenue or profits of land used for agricultural purposes.*" These courts and their procedures are governed by the West Pakistan Land Revenue Act, 1967 that excludes from their jurisdiction on any dispute arising out of a land "which is occupied as the site of a town or village [because that] will not be deemed as agricultural land".

In short, the Revenue Courts have exclusive jurisdiction on matters of mutation, partition, inheritance, delimitation, eviction, and cases pertaining to produce of agricultural land. These courts are presided upon by civil servants from administrative services, unlike the civil courts which are manned by members of judicial cadre. Starting from Tehsildar to Assistant Collector, the route in a revenue court goes up to the Commissioner and then to the Board of Revenue. Collectively, these officers are known as Revenue Officers (ROs) under Section 7 of the West Pakistan Land Revenue Act, 1967.²

Property related cases in Pakistan, both urban and rural, take decades to resolve. Lack of understanding of law and procedures, both by revenue and civil courts, the lawyers, and litigants alike, are often a reason behind inordinate delays in property related cases. Ineffectual processes are another contributing factor to what the contemporary literature refers to as *sludge*. Coined by Cass R. Sunstein in his book, *sludge* has been explained as all those factors that act as impediments to rightful gains and even constitutional rights. He says that sludge is pervasive because it is found

¹ Calculating the number of violent crimes committed as a result of agricultural property is difficult and time taking. Although the data of FIRs has been digitized in Punjab, however, it is not segregated on the basis of *wajh e anaad* (i.e. cause of enmity). Rather the data can be fetched and segregated on the basis of geographical location (like Districts or Subdivisions) or on the sections of law applied, like Section 302 of Pakistan Penal Code for murder. As to why the murder was committed, one had to go through the whole text of FIR to find the *wajh e anaad* (cause of enmity). On the basis of samples, the team was able to establish that not less than half of all violent crimes in Punjab had been committed due to disputes related to agricultural property and water.

² It is precisely due to the above-named 1967 Act that governs these courts that they are called Land Revenue Courts, or simply, Revenue Courts. In other words, these Revenue Officers are deemed Revenue Courts, when they exercise their judicial functions under the Act. It might have been expedient to change their nomenclature to "Agricultural Courts" which they actually are.

everywhere- be it a private entity or a public institute or courts. The officers, lawyers, doctors, etc. all seemed to be imposing sludge in one manner or another. Hence, at some point people give up on their desired outcome due to the various hurdles they face (Sunstein, 2021).

Sludge also entails cost known as "sludge cost" that can be in the form of economic cost, i.e., the actual cost plus the opportunity cost (cost of the next best alternative forgone), the social cost (for example, loss of reputation) or even the psychological cost (due to mental distress caused by lack of final adjudication). In other words, *sludge cost* becomes a menace that needs to be confronted. He further states that this menace needs to be reduced and that can be done through a **sludge audit** i.e., by measuring "how much Sludge is out there" (Sunstein, 2021, p. 95) and then to have an environment that is conducive to getting things done (**sludge reduction**). A pioneering study on sludge audits in Pakistan was undertaken by Pakistan Institute of Development Economics (PIDE) by (Haque, 2022) that formed the foundation on which the present project has been built upon.

Applying the concept of sludge on Revenue Courts, the present study undertook a sludge audit to examine how the litigants of Revenue Courts become unable to achieve the desired outcomes, namely, secure property rights attainment and early adjudication.³ The present study, commissioned by RASTA PIDE came up with calculations of the sludge costs on (a) individual incomes, and (b) on national GDP. The study also explored the value of disputed property, locked in litigation, as a fraction of national GDP of Pakistan. The results were alarming, to put it mildly!

The very fact that cases usually get dragged for decades encourages frivolous litigation. The erring party has every incentive to use these institutional and legal lacunas to its advantage, and thus, to the disadvantage of the aggrieved party. More often than not, both parties might not be able to use their land to productive use due to it being a subject of litigation. Not only will they face issues in the marketability of their land (tertiary sector) but would also not be able to produce agricultural output (primary sector). Such an effect on primary and tertiary sector might inhibit productivity thereby resulting in a loss of GDP and economic growth for the country.

It goes without saying that prolonged litigation also becomes a burden as much on state resources as on individual ones. The Revenue Officers are engaged in so many judicial duties that their administrative functions get affected. So poor service delivery becomes a common refrain against the government departments. Poor governance has its own toll on economic sustainability of a country.

Such negative correlation between judicial delays and economic growth has been established by various studies. Amirapu (2021) has explained this by stating that court delays lead to an inevitable trust deficit due to which businesses lose their confidence and hence are reluctant to invest. By taking the case study of India, he has established how delayed justice has led to growth denied due to specific industries not being able to have their contracts enforced. (Amirapu, 2021) Similarly, Kapopoulos (2021) have studies the nexus between the judicial complexities on growth in European context. They have shown that such inefficiencies in dispute resolution have inhibited economic growth in some member countries of the European Union as compared to others.

1.2 Purpose and scope of the study

In a developing country like Pakistan, productivity and efficiency are the major growth catalysts. Land Administration needs a coherent strategy to ensure that the rights of owners, tenants or transferees of agricultural land are not encroached upon. In spite of the pervasive inefficiencies in the Revenue Courts system, it was surprising that no previous study, at least to the knowledge of the

³ The two "desired outcomes" have come from the findings of an earlier study, commissioned by the National Institute of Public Policy (NIPP), Lahore, by a member of the present research team. (Ashfaq, 2021) That study had concluded that the litigants are unable to achieve either outcome due to the factors outlined in Section 4.4 of this report below.

present authors, has been done to reliably calculate the extent of the rights of litigants being violated, or to measure the state resources being wasted due to these inefficiencies, or to find out the negative impact of these judicial inefficiencies on the overall productivity of the economy.

By following the approach undertaken in PIDE Sludge Audits, Vol. 1 by (Haque, 2022), this pioneering study discerned how sludge in the Revenue Courts led to potential loss of agricultural output underlining potential estimated loss of GDP for the country. It also calculated monetary and opportunity costs (both in terms of time and money) that a litigant incurs during his case. The study also tried to put forward an integrated solution based on contextual appraisal through identifying areas of improvement in the steps involved in the litigation process.

Field survey teams were sent to revenue courts to collect data with the following fundamental research aims in view:

1) To catalogue and quantify sludge in Revenue Courts.

2) To identify any pecuniary and non-pecuniary sludge costs on litigants.

3) To identify at which point sludge can be reduced and what role digitization can play in sludge reduction.

4) To evaluate the impact of sludge in revenue courts by measuring the cost of sludge in terms of GDP, thereby, highlighting the potential for improved efficiency.

5) To recommend an integrated policy reform or to suggest changes in the existing law.

Research Questions: The study devised four research questions and focussed on them to arrive at purposeful conclusions: First, what is the extent of sludge in the revenue courts? Second, to what extent digitization has impacted sludge or mitigated other negative externalities such as speed money? Third, how does sludge in Revenue Courts hinders GDP growth in Pakistan and how can sludge identification lead to speedy adjudication and thereby improved GDP? And four, what are the policy reforms and suggestions that can be recommended while taking into account the sociopolitical and bureaucratic realities of Pakistan?

1.3 Relevance to public policy

According to the Pakistan Economic Survey (Ministry of Finance, 2023), agriculture contributed to about 22.9% of the GDP but employed nearly 37.4% of the labour force. However, if the courts that are specialized to cater to disputes pertaining to agricultural land matters are inundated with sludge costs, then this potentially means that these lands are not able to contribute their full potential to the overall GDP of the country.

Hence, this study aims at bridging a policy gap existing in the current institutional and legal framework of revenue courts by assessing the impact of sludge within these courts on agricultural property rights attainment as well as its impact on service delivery of Revenue Officers. The study also calculated the cumulative effect of sludge costs in revenue courts on the GDP. Most importantly, the study made comparisons with four Asian nations whose GDP per capita is higher than that of Pakistan. The system of land revenue administration in those countries was analysed, best practices identified and policy lessons for Pakistan derived. This study, hence, provides a road map for policy makers to improve their service delivery mechanism within existing legal framework. It thus analyses where sludge can be effectively reduced, thereby reducing the economic cost of litigation for the litigants.

Last but not the least, the present paper also highlights that it is not all doom and gloom in Pakistan's land revenue administration. To the contrary, many outstanding civil servants have made meaningful contribution to the reform and improvement of rural land administration. The imperative need is to

have a political will to stand behind those laudable initiatives.

LITERATURE REVIEW

There is a paucity of literature with respect to the reforms that can be undertaken to improve the performance of Revenue Courts. As compared to what has been written and published on civil and criminal courts, both by academics and the practitioners of law, the research on Revenue Courts system of Pakistan is conspicuous by its dearth, nay, near-absence. Hence, this paper has sought to fill this existing gap in legal literature.

For the sake of clarity, this section one literature review has been divided into two parts – research and studies done on Revenue Courts in Pakistan and international policy discourse on land administration and land revenue matters.

2.1 Literature Review specifically in Pakistan's context

A report by the Committee established by the Government of Pakistan on land revenue reforms, way back in the 1970s, titled 'Report on the Committee on Revitalization of Revenue Administration' lamented that revenue courts machinery in Pakistan is in shambles with revenue officers being overworked (Government of Pakistan, July 1978). It also considered taking revenue adjudication away from the revenue officers, however, despite laying down the pitfalls of revenue officers adjudicating, the committee recommended to maintain the status quo, not the least because the civil courts were equally over-worked and the civil judges had no training in land revenue administration.

A more recent and independent study by Ali and Nasir (2010) elaborated upon the complexities of Land Administration System as a whole and stated that the participants in the study said that their issues had been compounded due to uncooperative revenue staff. The revenue staff on the other hand complained of work overload. Both the clients and the revenue staff of the study agreed that clients lacked procedural knowledge with respect to appeals etc. However, the study focused on land administration system and the adoption of technology as the need of the year and did not focus on the dispute resolution forum i.e., the Revenue Courts.

A Report by USAID (2016) further added that the parallel court structure for land dispute adjudication has exacerbated the plight of the litigants. Khuhro (2021) claimed that even though Civil Courts have their set of inefficiencies, their efficacy in timely disposal of cases as compared to Revenue Courts is still better. He also stated that the concurrent jurisdiction of civil courts and revenue courts on land dispute matters is a source of problem for the litigants.

Faraz and Qasim (2021) explain that sludge raises transaction costs of individuals leading to lower productivity in the economy owing to resource wastage in the form of time and money spent on achieving outcomes. They use a difference-in-difference model to show that digitization and partial removal of unnecessary documents decreases time and opportunity costs in different sectors of the economy. However, as noted above, the pioneering study on the topic of sludge audit in Pakistan has been undertaken by PIDE wherein (Haque, 2022) provide an in-depth sludge audit of activities in different sectors like the real estate and the health sector and then calculate sludge cost as a percentage of GDP. Our present study, adds the sludge audit of rural courts system to the available knowledge on *sludge* in state structures of Pakistan.

2.2 Literature Review on Land Revenue Adjudication in General

Ubink & Quan (2008) by analysing the Land Management System of Ghana laid emphasis on effective monitoring system over those directly responsible for allocating use and rights over lands. He stated that new reform initiatives integrating traditional and modern aspects in land management will be

futile in the absence of effective monitoring mechanism. Global Land Tool Network (2013) has produced a manual to deal with land conflicts. It states that formal adjudication should always be the last resort and *special land courts can take the role of arbitration* [emphasis added]. The manual also states that the linkages and hierarchies between different land dispute resolution forums impact the outcome of the case. In case there is a formal and specialized land tribunal in a country, appeal to the High Court should always be the last resort. This is also applicable in the context of Pakistan where apart from writ jurisdiction, which is invoked by High Courts to take cognizance of matters decided in BoR, there is also a serious problem at the lower rungs of courts hierarchy, where both civil and revenue courts either exercise concurrent jurisdiction or refuse to exercise jurisdiction at all, referring the matter to a parallel court. This is something that the present report deals with in Section 4 below.

Herman et al (2017) in their analysis of dualism of authority between general courts and administrative courts in Indonesia have stated that such dualistic approach is an issue for the litigants for it leads to legal uncertainty and disrupts public justice. The dualistic approach, according to the study, is attributed to lack of legislative clarity. The study further goes on to state that an ideal model is needed to resolve land disputes. The models proposed by him are of alternative dispute resolution in the form of mediation and complete separation of general courts and administrative courts on land revenue matters. (Mequanent, 2016) has laid an emphasis on thinking about out of the box solutions grounded in contextual appraisal rather than 'one size fits all' solution to resolve land disputes in Ethiopia.

METHODOLOGY

In this study, a three-tier approach was formulated that entailed (i) conducting a sludge audit of the revenue courts of Pakistan through surveys of the litigants; (ii) conducting specific interviews of officials regarding the functioning of the Revenue Courts and the impact of digitization on the revenue court system, and (iii) proposing fresh legal reforms or supporting existing ones to help simplify the procedures.

Due to financial and human resource constraints as well as time limitations, the study identified two provinces, Punjab and Khyber Pakhtunkhwa, for conducting field research. In each province, two districts were identified: Kasur and Toba Tek Singh in Punjab; and Mardan and Dera Ismail Khan in Khyber Pakhtunkhwa. The districts were selected based on their proximity or connectivity with the provincial metropolis of Lahore and Peshawar, respectively, as well as the quantum of revenue cases pending in their courts.

Prior to the full survey, a pilot survey for around two months was conducted in Lahore. Based on the lessons learnt from the pilot study, two districts each were identified in the two provinces. Then, using a survey administered via SurveyCTO in the districts of Punjab and manual (paper-based) surveys in Khyber Pakhtunkhwa, this study quantified sludge faced by litigants of Revenue Courts. That was measured in terms of time lost or wasted due to documentation, travel cost and opportunity costs for attending the hearings, and finally the monetary and psychological costs incurred due to litigation as a whole.

The study used a mixed method approach where both quantitative and qualitative data was collected, collated, and analysed. A survey was developed for the litigants asking them about the nature of their cases in revenue courts, the duration since the case was first instituted, the direct costs they had to pay from official stamp duties to under-the-table speed money (if any), as well as qualitative questions such as the stress caused at each step which was then used for our analysis.

Moreover, the survey also analysed the impact of digitization on the costs incurred by litigants and

any sludge reduction achieved. The results of this study are expected to be a source of input for policy makers in terms of enhancing agricultural property rights attainment and in improving the functioning of revenue courts by minimizing sludge, the cumulative impact of which will be lower economic costs borne by citizens of Pakistan in efforts to secure property titles.

3.1 Data Sources & Sample Locations

The data for the study were collected from multiple sources namely via surveys of the litigants of the Revenue courts and via interviews of the Revenue Officers (RO's) and other relevant officials. The sample size of the study consisted of the revenue courts of selected districts from both Punjab and the KPk. It should be noted that there are three tiers of revenue courts in each tehsil (the courts of Naib Tehsildar, the court of Tehsildar, and that of the Assistant Commissioner). The three officers are also known as the Assistant Collector Grade III, Grade II and Grade I respectively. Then there is one district level revenue court of the Deputy Commissioner, who under the Land Revenue Act 1967 is the District Collector. The appellate authority against the decision of the Collector is the Additional Deputy Commissioner Revenue (ADCR) while the Additional Commissioners get tasked to entertain appeals on behalf of the Commissioner who is busy in the administrative work. The overall supervision of the revenue courts and the powers of revision rest with the Board of Revenue (BoR) of each province, headed by the Senior Member Board of Revenue (SMBR).

3.2 Sludge Identification Approach

Following the sludge identification approach adopted by Dr Nadeem ul Haque and his team, (Haque, 2022) the present study viewed sludge cost in terms of time wasted (hours and days) in unnecessary tasks during the litigation process and the costs involved in executing it. Thus, the sludge cost was measured in terms of monetary costs, opportunity costs and psychological costs incurred by the litigants.

Opportunity costs was calculated in terms of revenue foregone because the process was delayed. Thus, any income that could have been received from the disputed land in question had the issue been resolved quicker was measured. This could have been investment income foregone, rental income foregone, agricultural produce income foregone or proceeds from sale of land foregone. For the purposes of this study, we calculated agricultural produce income foregone since our respondents identified growing crops for sale as one of the main uses for the disputed land. A person's time-cost was also measured in terms of wages foregone for the time that was wasted in attempts to solve the administrative issues with regards to the legal dispute, for example, personal visits to revenue officers. Any monetary costs that were spent on these avoidable steps were also included in our calculations.

Litigants were also asked to identify any stress or stigma that they would have endured during the litigation process. This was from a scale of 1 to 5 ranging from low to severe and allowed us to identify the psychological costs involved. Stress across all steps involved in the litigation process were identified and then multiplied by the total process time of each step following the model developed by the Pakistan Institute of Development Economics in their above-referred earlier study. This was used to make a percent representation of the stress distribution.

3.3 Evaluating the impact of Land Record Digitization

A special focus has been placed on the Arazi Record Centers (ARC)—the innovation of the Government of Punjab, through the Punjab Land Records Authority (PLRA)—established at Tehsil level in all 151 subdivisions of Punjab. Based on responses by surveyed litigants, we evaluated whether the ARCs, as the digitized land record centers, have resulted in reduced time spent and reduced monetary cost for the litigant during the document gathering process for their cases. We are

distinguishing between the time and money spent during document collection done by the *Patwari*, who does it manually, with those by the Arazi Record Center, where the same is supposed to be done digitally. Our survey also includes a section asking litigants about the effects of digitization. This is done by comparing time taken to get documents before the development of the ARC's.

It is pertinent to mention that questions on corruption were added as well, to see if the litigants had to incur any additional costs like speed money for their litigation process and, if so, whether digitization was able to help in this regard.

3.4 Cataloguing Steps in a Revenue Court Case

The steps a litigant may incur during his case have been catalogued under seven main headings and they are mentioned below. These are not in any particular order as a litigant could go through some of these steps at different points in their case and sometimes multiple times.

Step 1: Gathering Information Phase

Step 2: Hiring the Lawyer

Step 3: Document Gathering

Step 4: Document Correction (if applicable)

Step 5: Hearings (includes questions on both scheduled hearings and delayed hearings as well as case filing duration)

Step 6: Meetings with Revenue Officers and other personnel related to the Revenue Court System namely the Patwari, Girdawar Qanungo, Naib Tehsildar, Tehsildar, Deputy Commissioner (DC), Assistant Commissioner (AC), Additional Deputy Commissioner Revenue (ADCR), Commissioner and finally the Board of Revenue (BoR of each province.

Step 7: Clerk costs or money spent on revenue personnel (for gratification)

3.5 Calculating Sludge as a Percentage of GDP

Once we had all the costs, we also calculated sludge cost as a percentage of GDP as in Haque et al. (2022). This included identifying (i) average cost of sludge in litigation surrounding agricultural land disputes (ii) average secured property rights attained via the Revenue Courts (iii) number of cases in Revenue Courts in the identified districts. We also looked at sludge as a percentage of the Agricultural GDP and looked at value of disputed property as a percentage of real estate activities' GDP.

Calculation sludge in revenue courts of a province with agricultural GDP, our nearest estimation of the "rural GDP" of a province or district, was made because the present study was only concerned with the rural/ agricultural property and the disputes ending up in the Revenue (meaning "agricultural") courts. Taking it as a fraction of total GDP (urban plus rural) of a province would not have made any academic sense and could have led to distorted or skewed results.

3.6 Interviews of the Revenue Officers and PLRA high-ups

The PI/ co-PIs conducted interviews of all the officials in the revenue hierarchy to holistically gauge the effects of digitization and to highlight areas of improvement. These concerned officials include Patwaris, Girdawar, Naib Tehsildar, Tehsildar, and even some Assistant Commissioners at the field level. We also had the opportunity to interview some present and past Senior Members Board of

Revenue (SMBR's) in both Punjab and KPk, at least two Members Board of Revenue, and at least one Registrar BoR and one Secretary BoR during the course of this research.⁴

A special focus was also given to digitization during the interviews. Revenue courts of Pakistan have undergone digitization at different points in time and while an impact evaluation is not possible owing to lack of pre-digitization data on sludge in the revenue courts, we have still been able to look at the current digitization effects on sludge via our audit and highlight areas of improvement. For this purpose, we asked pointed questions to various Revenue Officers in the revenue hierarchy to see both the positive and negative effects of digitization on disposal of the case and thereby, suggest areas of improvement. These interviews were also essential to analyse if and how a dispute resolution mechanism along the lines of Pakistan Information Commission (that has majorly eliminated unnecessary processes through online portal and digitization) can be introduced.

The research team led by the PI spent a whole day in the Head Office of Punjab Land Records Authority (PLRA) where the Director General, and her team of officers spent time with us to give us presentations, share with us data and statistics, and give us a round of facilities available for citizens. In short, we have been able, by and large, to catalogue steps involved in the litigation process and will highlight where steps can be eliminated, digitized, reduced, or improved, to speed up the adjudication process.

SYSTEM OF LAND REVENUE ADMINISTRATION AND ADJUDICATION IN PAKISTAN

The system of governance and administration in South Asia dating back at least to the first half of the nineteenth century is based on the division between urban and rural areas. The local government, the judicial streams, the policing mechanism, the development paradigm and the taxation system, to name a few, have this clear urban-rural distinction. The idea is that rural society is so different from urban settlements that one-size-fit-both policies may not work. For instance, urban development paradigm incorporates traffic management, white collar crime, high rise architecture, city housing, and so on as its essential pillars. The do not have any linkage with the features of rural development which would concern itself with the needs of agro-economy such as seeds and fertilizers, poultry farming, capacity building for rural traits, agro-based cottage industry such as pottery, community management of villages through village councils etc. Hence, local government system in urban areas like the office of Mayors, the municipal corporations and the town councils have little in common with the rural-based District Councils in Pakistan. Little wonder that the judicial streams for urban and rural civil disputes are distinct and separate.

The disputes of urban properties including houses, shops, flats and plots are in nature of civil disputes, cognizable by the hierarchy of civil judges, senior civil judges, Additional & District Judges, as per the jurisdiction assigned by the law to each of those courts. The applicable law is the Code of Civil Procedure 1908. All these civil courts are under the administrative and supervisory control of the High Court in each province.

On the other hand, the agriculture or agricultural land related disputes, which are basically disputes of the rural areas of the country, are cognizable by the courts of the Tehsildar, the Assistant Commissioner, and the Deputy Commissioner with the appellate authority for the preceding resting with the divisional Commissioners. These courts are called "land revenue courts" or simply "revenue

⁴ These interviews were important for the research team in understanding the social dynamics of the litigations at the land revenue courts. The interviewee ROs narrated several incidents in which the parties concerned declines efforts at reconciliation because contesting the case was a considered a matter of family honor. Thus, many a times, the families end up spending more money on litigation over the life cycle of the case, which may be lengthier than a human life span, than the value of the landed property under dispute.

courts"; competence of each level in this hierarchy is defined by the applicable law i.e. West Pakistan Land Revenue Court 1967. The revenue courts across each province are under the overall administrative and supervisory control of the Board of Revenue (BoR) of that province.

In this respect, the Chief Justice (CJ) of a High Court and the Senior Member Board of Revenue (SMBR) of each province hold co-equal status with respect to their judicial role. However, certain powers like the Writ Jurisdiction under Article 199 of the constitution are available to the High Courts, but not to the Boards of Revenue. This has complicated the legal landscape of Pakistan, much to the detriment of the ordinary litigants, even their next generation, who pay the price for systemic gridlocks impeding the dispensation of justice. Inefficiency in the twin court systems is a drag on the national economy, so Pakistan ends up being poorer than it would have been, had it had security of land titles. In other words, a clear delineation of judicial functions between civil and revenue courts, and an expeditious disposal mechanism might well have placed Pakistan amongst the upper middle-income countries.⁵

It is not to say that Pakistan's weaker economic indicators vis-à-vis these four countries is only due to lack of security of titles in the former case. However, there is enough literature available around to show that secure property rights and efficient judicial systems are significant contributing factors to higher GDP.Before moving in following sub section 4.3 on the causes of *sludge* in the revenue courts later in this Section, we need to explain the difference between the civil courts and revenue courts in 4.1. Since the latter are run by administrative civil servants, we need to clarify when does a revenue officer act as a revenue court in 4.2.

4.1 Difference between civil and revenue court systems

The basic difference between civil and revenue courts is that the former are "Courts of evidence" while the latter are "Courts of documents". Since a land revenue officer is a custodian of the state land as well as that of land records under private ownership, the framer of the law had quick and cheap disposal of agricultural land matters in mind, while designating revenue officers as *ex officio* revenue courts. Let's assume there is a dispute in the title of land, say, the name of one of the siblings was left out, whether deliberately or inadvertently, from the list of heirs of a deceased parent. All that the Revenue Officer has to do is to call for the *shajra e nasb* (i.e. family tree)—which is one of the statutory documents that the revenue official called *Patwari* is custodian of in respect of his *Mauza* (revenue circle)—and order the record to be corrected. Insofar as the correction of name was a disputed fact, the order of the Revenue Officer is a judicial, not an administrative order. This is what is meant by "court of documents". And such services were expected to cost the applicant or litigant nothing but a nominal court fee.

Now let's presume that the document (*shajra e nasb* in our above example) itself becomes disputed. Like it transpires that the deceased had had a secret marriage in town that was never declared or disclosed in his village in the lifetime. Obviously, the offspring from that wedlock are not likely to have been registered in *shajra e nasb* so the question of correction on the basis of record does not arise. The newly discovered spouse or children of the deceased come up with claims to be registered in *shajra e nasb* as fresh heirs, and that is challenged by the known heirs who dispute the very fact that they had any existing siblings outside their village. In this case, the whole issue would become a matter for the civil court—which is a "court of evidence"—to decide. Both sides would submit their evidence before in the civil court for adjudication. It is only when the list of heirs is settled by the civil court that the revenue court would take up the matters of inheritance or partition, as the case may be.

⁵ Comparison with land ownership system in four Asian nations in section 5 of this Report illustrates the point.

Here one has to underline a caveat: there is no bar whatsoever in a revenue court ordering production of evidence, or, for that matter, a civil court asking to see a document. However, the loop hole is the section 142 of the Land Revenue Act 1967 which permits the Revenue Court to refer the matter of a title to the civil court and stay its own judicial proceedings, pending such determination by the civil court. Although, the law does not force the revenue court to do so, merely gives it an option of doing; the overworked revenue courts invoke this provision to refer the matter to civil courts which may take another few years to decide the question. In some cases, a civil court independently entertains applications for determination of titles due to lack of awareness of law, which they cannot do so on their own, without a reference from the revenue court. Thus, the interreferral ping pong continues to the disadvantage of the citizens.⁶

4.2 Difference between Revenue Officers and Revenue Courts

As noted, the revenue courts are manned by the district administration whom the law has entrusted judicial and quasi-judicial powers in specific circumstances. Otherwise, an order made by the revenue officer on the basis of undisputed clear-cut facts is an administrative order. However, when more than one parties to a matter are at variance in their viewpoint, the determination of facts becomes a judicial function.

An obvious example would be "partition" that is one of the matters that the revenue officers/revenue courts deal the most. Once a person dies, it is understood that his/ her heirs get property according to the shares apportioned in the Quran and *Shariah* law, which in turn is enshrined in the country's Family Law. But the dispute is likely to arise when each of the sibling would like his parcel in the inherited land closer to metalled road (due to higher price) or closer to water course (due to higher productivity). The principle of justice would dictate that each heir gets a *Vanda* (parcel of land) which has an equal amount of high-value and low-value parts of the inherited estate.

Ordinarily, it should not take the *Patwari* more than a week to determine, according to a senior member of the Board of Revenue.⁷ However, it takes more than two years on average at the level of *Patwari*. Then it takes another year for the Revenue Officer not below the rank of Assistant Collector to approve the partition by making it part of his award. If the *partition* is disputed by one or more amongst the heirs, then it becomes judicial proceeding that may take decades for a final settlement. That duration usually outlasts the lives of the heirs/ original claimants, continuing on to the next generation.

Had the partition been settled amicably amongst family members, called "*khangi taqseem*", the order based thereupon would have been a mere administrative order made by the civil servant in his capacity as a Revenue Officer. However, the moment, partition becomes contested, it becomes a judicial matter for him. In fact, most of the issues pertaining to *Partition* and *Ejectment*, and over half of *Mutation*, become judicial matters, wherein the Revenue Officer has to exercise his/her judicial functions, as revenue court, to determine the Award. As if the preceding was not complicated enough, each type of dispute has a different forum. For example, anyone aggrieved by a determination made by a *Patwari*, can agitate in the court of Tehsildar. However, the initial forum of agitating against the assessment made by *Lambardar* (village headman) is the court of the Collector i.e. Deputy Commissioner of the district concerned.

⁶ Another pertinent example is that the revenue courts likewise avoid settling the cases of *Istaqrar e Haq* (declaration of rights) on the transfer of land through verbal agreements that are the norm in rural areas. Though entitled to all powers of a civil court, the revenue officers leave the evaluation of evidence in such cases to the civil courts to avoid having to oversee time consuming cross examinations of witnesses in their courts.

⁷ Interview with Mohammad Khan Ranjha, Member, Board of Revenue (MBR-Colonies), Government of Punjab, dated 26th July 2023.

While better part of the training curriculum of the PAS and PMS officers, who act as Revenue Officers in the field, is tilted towards the study of law, more than nine tenth of their workload as district executive officers pertains to routine administrative matters. Their professional interface with the law deals mostly with their law-enforcement duties rather than adjudication functions. Thus, their professional experience in legal arena is overshadowed by that of administrative domain.

Another side effect of the overburdened executive is to delegate the revenue functions to junior level revenue officials such as *Patwari* (BS-5), *Girdawar* (BS-9), *Qanungo* (BS-11), *Naib Tehsildar* (BS-14) and *Tehsildar* (BS-16). Most of the junior level revenue officials have little formal education, usually Matriculation (Grade 10) or equivalent, and no formal training at the time of joining service whatsoever. The study conducted by NIPP on Revenue Courts also concluded that these junior most revenue officials often find themselves in a conundrum when they are presented with difficult questions of law and facts. (Ashfaq, 2021). This inability to comprehend the legal nuances and procedures is often misused by the parties' lawyers to their advantage.

Although the controlling officers, ie the Deputy Commissioners and Assistant Commissioners come from the top most merit in annual civil services competitive examinations called the CSS, and are adequately trained in revenue laws at the Civil Services Academy, their primary job of administration keeps them so preoccupied that they seldom find time to properly supervise subordinate revenue courts of Tehsildars and below, who are even unable to interpret the stay orders of the civil courts.⁸

4.3 Reasons for delay in case disposal at the revenue courts

Since most of the sludge costs are accrued owing to these delays, we need to explore the causes of prolonged litigation. Based on expert interviews, field visits, litigant surveys, the study concluded that there are multiple reasons for that

First and foremost is that revenue courts are not full-time courts. The revenue officers are basically administrative officers who wear a twin hat of acting as a judicial officer in certain situations. In fact, the Commissioners, Deputy Commissioners and the Assistant Commissioners are so over burdened with administrative duties from price control, Ramadan bazars. Laptop distribution, law enforcement, traffic management, development projects, postings & transfers, sports galas and so many other things, that their functions as Revenue Courts are relegated to a lower priority. Moreover, there no weightage for revenue court case disposal in the annual performance evaluation reports (PERs) of the revenue officers. It means there is little or no career incentive in quick disposal of the cases.

Most of the times, the litigants have to wait whole day till the evening waiting for DC or the AC to return from his/her field duties and hurriedly, if at all, hear their cases. This results in the high opportunity cost of meeting the revenue officers, time cost of waiting for them and the stress cost of the repeated adjournment of hearings calculated elsewhere in the present report, all of which contribute to Sludge.

The second challenge is the abysmal state of affairs in the legal education system of Pakistan. Unlike the CSS officers, there is no comparable or equivalent legal training paradigm for the lower rungs of civil judiciary at each level of career growth.⁹ Lack of regular classes in many law colleges, lax

⁸ For example, a stay order is usually on one party to stop them from acting in an adverse manner towards another and, not on the proceedings of the Revenue Officers. However, the Revenue Officers by incorrectly interpreting the stay order, become reluctant to proceed further.

⁹ Judicial trainings at the induction level have lately been introduced in most provinces but they last from a few weeks to a few months in various provinces, compared to almost two-year long trainings for PAS officers across the spectrum. But then, very few members of the superior judiciary were ever inducted as civil judges.

attendance requirements and issues with quality of examination process, the quality of law practitioners, ie lawyers, and the civil judiciary leaves a lot to be desired. While there is absolute bar on a Civil Judge to take cognizance of matters exclusively within the domain of the revenue courts, under section 172 of the Land Revenue Act 1967, the civil courts continue to interfere in the matters of revenue courts by admitting plaints on questions which, by law, were to be settled exclusively by the revenue courts, thereby delaying the final disposal of cases by years.

In fact, High Courts often entertain appeals against Orders of the respective Board of Revenues under the Writ Jurisdiction although, qua Courts, the High Courts and BoRs have co-equal status. Appeal against a final order by either forum can only be filed before the Supreme Court through CPLAs, and not to each other. Although many a times, the High Courts after taking cognizance of a BoR-decided case remand it back to the BoR concerned for adjudication, but mere opening up of two parallel forums causes delays.

The third problem is over-accountability of civil officers and under-accountability of lower judiciary. Although the Civil Servants Act 1973 gives indemnity to all public officers for acts done in good faith in exercise of their duties, the threat of NAB, FIA and other agencies, to harass officers for their past judgments in land revenue matters acts as a disincentive to make any decision at all. It may be underlined that the judiciary is immune from NAB cognizance under the NAB Ordinance. On the other hand, there is no external check on the civil judiciary, either from executive or from the legislative communities, to overstep their powers and interfere in the lawful jurisdiction of the other channel of courts, such as revenue courts, so unscrupulous lawyers end up forcing the civil courts to act contrary to the law with impunity. The sufferer from the violation of the law is none other than the ordinary citizen of Pakistan.

The fourth delaying cause is that many of the civil cases, and many more revenue cases, end up becoming criminal cases due to introduction of criminal element in the dispute like, threats of violence, wilful damage to each other's property. forgery of deeds or documents, and most seriously, physical brawls causing injuries or even murders. Such cases need evaluation of evidence under Qanoon e Shahadat Order 1984. These matters perforce get referred to regular judiciary such as to judicial magistrates. While the Revenue Courts are slow in passing judgments, the regular judiciary is slower than them. Hence, the litigants end up paying the price for justice delayed.

The fifth and final issue causing delay in adjudication is resource constraints in the BoRs and their subordinate revenue court formations. Gone are the days when land revenue used to be the major source of revenue for the state. From a high of 85% of all state revenues in 1908, the figure was slightly below one percent of the state revenues in 2022. It means that the primary focus of the Government of Pakistan is towards the Federal Board of Revenue (FBR) which collects income and wealth taxes, excise duties and custom levies that form the bulk of federal government revenues. On their part, the provincial governments look towards the provincial revenue authorities such as the Punjab Revenue Authority (PRA) and the Directorate General of Excise and Taxation (E&T) that collects the Service taxes, professional taxes and all other provincial taxes, for lion's share of provincial income.

This leaves the Boards of Revenue (BoR) of each province, collecting the meagre agricultural and irrigation water related levies, with the least government focus and attention. Unlike the FBR, the PRA and the E&T, the BoRs are not merely (agricultural) taxation bodies but are also the custodians of state lands, state interests, protectors of property rights and stand at the apex of a (revenue) court system in the province. And unlike the high courts, the BoRs have a lot of executive functions too. In spite of these multifarious functions, the BoRs do not get sufficient budget allocation from the

The higher judiciary comes mostly from selection amongst the lawyers. At the higher level judicial induction the concept of formal training in academies is completely alien.

governments. Their officers get almost a third of remunerations than their counterparts in regular judiciary or half that of their peers in other taxation bodies. Thus, BoRs remain financially handicapped in improving their capacity, attracting capable human resource or reforming their processes.

4.4 Causes of Sludge in Revenue Courts

Although the delay in adjudication is a cause in itself for the sludge, the NIPP study sheds more light on other related causes. These can also be seen as examples of sludge in Revenue Courts according to Sunstein's definition as they hinder the litigants from achieving the preferred outcomes. (Ashfaq, 2021) A brief overview of those factors is also in order:

(a) Excessive paperwork and extensive procedures in revenue case matters: For a simple partition case in Revenue Courts there are numerous documents that need to be obtained by the parties. These documents include Fard-Patwar, Fard Sarkar, Khasra Gardwari, Naqsh e Alif, Aks Shajra, Jamabandi, Shajra Nasb, etc. Some of these documents have also been identified in the PIDE Sludge Series on Agriculture Credit as major sources of sludge (Haque, 2022). The survey results of the present study, discussed in section 6 of this report, also validate that finding that excessive documentation has significant sludge costs for the litigants.

The utility of these documents in resolving a disputed land case cannot be undermined. However, the above-mentioned PIDE study on Agriculture credit as well as the NIPP Study revealed that obtaining such documents is a major challenge for the litigants, as most of the time *Patwaris*—as the junior level revenue officials are known—do not give the requisite documents unless they are given speed money.

(*b*) Long route of appeal: The study also found that there are multiple appeal and review forums in Revenue Courts. Depending on the nature of dispute and the court of first instance, the appeal route may go through the Assistant Collector, the Collector or the Commissioner. The Board of Revenue can be approached for Revision against the decisions in appellate jurisdiction by the Commissioners, which is, by law, the ultimate forum on revenue matters against which no appeal lies.

Unscrupulous lawyers contest the final decisions of the Board of Revenue in the High Court in the form of writ jurisdiction. The High Courts either remand back the case to the Board of Revenue for deciding afresh, or if they decide it themselves, the aggrieved party has an option to go to the Supreme Court through the Constitutional Petition for Leave to Appeal (CPLA). In either case, the final adjudication may be delayed by years or even decades.

(c) Parallel Court Structure: As discussed above, even though the law clearly delineates the powers of Revenue Officers and Revenue Courts to oust civil courts jurisdiction in revenue court matters but there are loopholes that compromise the effectiveness of the exclusion provisions. One such example is section 141(2) of West Pakistan Land Revenue Act, 1967 that gives the power to civil courts to adjudicate upon the question of title. The lawyers exploit the loophole by converting a simple case of mutation or eviction by challenging the very title of the property. This makes the case, to the extent of question of title, a civil matter. This has led to dualism and parallel court structure.

To further compound the problem, the national level problems of tussles between the executive, the judiciary and the legislature are more pronounced at the unit level such as Districts and Tehsils. Due to this friction between the district level judiciary (civil judges and district judges) and the executive (Deputy Commissioners and the Commissioners), the former may pronounce such legal interpretations to revenue laws that the powers of Revenue Officers are undermined. One such example is the recent judgement by the Peshawar High Court, which questioned the rationale of the Revenue Courts as an infringement to Article 175 of the Constitution (Ali Azim Afridi vs Federation of Pakistan, 2019).

Hence, the study concluded that the above-mentioned issues in the Revenue Courts might be the contributory factors to protracted litigation and insecure property rights (Ashfaq, 2021). The graph below shows sample cases from three districts of Sindh, for four years. The cases instituted in revenue courts have increased about 129 % while the number of pending cases has increased to 126%. As compared to pending and instituted cases, the increase in disposed cases was only 52% pointing towards delayed litigation:





COMPARATIVE ANALYSIS OF LAND MANAGEMENT SYSTEM IN ASIA

While analysing the rural and agricultural land management system of Pakistan, and the recent innovations introduced in it, the authors found it worthwhile to compare it with other regional systems. As the land management systems in the developed Western world are totally different from ours, comparison with those regions was not deemed to be purposeful in the context of Pakistan. Hence, we took all four international comparisons from within Asia, two from developing economies and two from the developed ones. From the developing nations, Indian and Bangladeshi revenue court system parallels that of Pakistan as the former inherited its legal foundations from British India while the latter system has its roots in Pakistani legal ecosystem. In fact, when the British era Land Revenue Act of 1887 was replaced by Pakistan's own Act of 1967, Bangladesh used to be our province of East Pakistan. Amongst the two developed nations, we found the systems of Singapore and South Korea as of particular relevance to this study.

5.1 India: Revenue Courts and effects of digitization

The Report by the Committee of State Agrarian Relations titled *'The Unfinished Task in Land Reforms,'* observed that owing to an inefficient land management system, land revenue courts in India are flooded with litigation; "Presently the Revenue Courts are choked. Thousands of cases pertaining to land issues are pending in revenue courts...In Hyderabad 8,000-10,000 cases are pending in CCLA and the revenue courts. With passing time, the number of cases is only increasing" (Government of India, 2009, pp. 176-177).

The primary reason for this litigation has been linked to a lack of time allocated by revenue officers (ROs) to adjudicating on revenue cases owing to their excessive engagement on other administrative tasks, followed by a lack of proper training of ROs on dispute resolution (Government of India, 2009). The scenario is so similar to that of Pakistan that if the word *India* is replaced with *Pakistan*, it would very well appear to be a comment on Pakistani revenue courts system. In order to reduce the burden on revenue courts, some states of India including Kerala, Andhra Pradesh, Tamil Nadu, Karnataka, Gujarat and Maharashtra have adopted the model of land tribunals for disposing of land ceiling cases

in contrast to remaining Indian states where normal legal route is followed (Government of India, 2009).

Singh, Keswani, & Chaturvedi (2019) have also highlighted the lack of dispute resolution by revenue courts and showcased that by adopting e-governance modules some states of India have become relatively more efficient in disposal of revenue cases. One of the major hurdles faced by litigants in revenue courts of India is a lack of database of revenue court cases; "Unlike the National Judicial Data Grid that gives real and exact details about the number of inclined and pending cases from the level of District Courts to Supreme Court, there is no such base for revenue cases" (Singh, Keswani, & Chaturvedi, 2019, p. 876).

This makes it difficult for the litigant to follow his or her case and it becomes a waiting game for them. Second, owing to high number of cases and lack of resolution there are delays in obtaining a hearing date which bears a high economic cost for farmers if their source of income is derived from the agricultural land under dispute. In order to resolve these issues, the operations of revenue courts in Indian states of Uttar Pradesh, Himachal Pradesh and Karnataka have introduced online court management systems (Singh, Keswani, & Chaturvedi, 2019). Their e-governance initiatives include RCMS (Revenue Case Management System) in Madhya Pradesh and RCCMS of Karnataka, 'Digital Land' model in Uttar Pradesh (UP), Digitization Revenue court system in Haryana and Punjab, VAAD of UP, , Digital India Land Records Modernization Programme (DILRMP) in Himachal Pradesh and Maharashtra (Singh, Keswani, & Chaturvedi, 2019). A comparison with the Government of Punjab in Pakistan that, through its BoR, has taken the lead in introducing Revenue Court Case Management System is in order here which has eased the tracking of cases in real time. Its comparison with a similar system in Karnataka, India, is in order:

Karnataka-Bhoomi Project of Digitization of Land Records: The Bhoomi project launched in 2001 in the Indian state of Karnataka is hailed as a success story in computerizing land records. It computerized around 20 million manual land records of all 177 *talukas* (Subdivisions) of Karnataka to ensure more transparency and less reliance on ROs, specifically *patwaris*, in obtaining a computerized record of rights tenancy and crops (RTC) by farmers (CommonFloor.com, 2012). The RTC obtained under Bhoomi allows farmers to obtain bank loans as well; "Electronic integration of *Bhoomi* with Banks was started in 2012...[that are used] to raise request for creating or removing charge and also calculating liability on farmers availing farm credit" (PricewaterhouseCoopers, 2014). Moreover, the facility of e-kiosks has been enabled in each main taluka wherein the data of each villager is kept in the form of ownership of land holding etc. These e-kiosks allow access to RTC and mutations as well. (Singh, Mishra, & Ganguly, 2016)

In a similar vein, the Punjab province of Pakistan adopted the e-governance model land record management through the creation of 151 Arazi Record Centres (ARC's), one at the level of each *Tehsil* (Subdivision). Although e-kiosks have not been established by the Punjab Land Record Authority, however, a simpler solution of making the land records downloadable on your smartphone through a simple and freely accessible Mobile App has made it easy for the citizens to get their documents like ownership deed (*Fard*) or Mutation (*Intiqal*) through a click.

5.2 Bangladesh: Introducing Online hearings in Land Revenue Courts

Following the spirit of the Digital Bangladesh election manifesto of 2008, Bangladesh has begun an online hearing system from 2021 to promote greater transparency, reduce hurdles in the shape of unnecessary hearing delays, and to build a people-oriented land revenue management system (Tech Oberserver Desk, 2021).

All 61 districts of Bangladesh have been enabled with the online hearing system in the quasi-judicial courts conducted by the revenue officers, namely, Assistant Commissioner (Land), Additional Deputy

Commissioner (Revenue) and Additional Divisional Commissioner (Revenue). The Settlement (i.e. land survey) related court is conducted by Assistant Settlement Officer and Settlement Officer. The appellate court for all the above is administered by Land Appeal Board—almost similar to what is named as Board of Revenue in each province of Pakistan The online hearing module entertains revenue court cases of mutation, settlement, record correction and objections as well as for appeals. However, the data was not available to ascertain the proportion of cases being heard through e-hearing system. (Tech Oberserver Desk, 2021).

Like Bangladesh, the Board of Revenue Punjab in Pakistan has also showcased the introduction of tele-hearing of cases from far away districts, however, the data made available to this research time showed less than 60 cases out of over 113,000 cases that had used digital technology for distant hearing. This figure is far from impressive.

5.3 Singapore: Property Disputes in Courts of Law

Singapore being a former British colony follows a common law jurisdiction. Being a high-income state with Asian traditions, Singapore is unique in its judicial developments pertaining to property rights. Yip (2021) identifies that owing to different family dynamics, the decisions of Singaporean and English courts vary on beneficial ownership cases of family property;

"The English landmark cases are based on the *unmarried* cohabitants paradigm...the legal rules that have emerged from these cases are aimed at, whether successfully or not, ensuring a fair division of the family home upon the breakdown of these relationships. In contrast, the Singapore seminal judgments go on determining beneficial ownership rights where [usually] the cohabitants were legally *married* or are underlaid by disputes due to vertical family relationships like contests between children over their parents' property" (Yip, 2021, p. 475)

Unlike Pakistan, the concept of revenue courts is alien to Singapore owing to less than 1% of total land being in agricultural use and three quarters of the island nation's land being owned by the Government (Diehl, et al., 2020). The state-owned land is leased out by the Urban Redevelopment Authority (URA) under the Government Land Sales Programme on a term of 20 years for commercial or residential development; acquiring it on an individual level is highly unlikely (Vaerhn , Lim , Yew, & Allen & Gledhill LLP, 2021). Thus, owing to greater urbanization property disputes in Singapore are predominantly in urban areas unlike in South Asia.

5.4 South Korea: Korean Land Information System

The Korean Land Information System, or KLIS, was established keeping in mind a three-pronged objective of cadastral administration, land use and property rights. Its success in South Korean can be seen by the rise in efficiency of the civil administration apparatus. Owing to KLIS the common man was able to access land related documents at the relevant offices or they could use e-kiosks to do the same. It reduced the burden on civil services and led to a more informed usage of land as citizens now had access to up to the date information on the state of the land, its zoning, restrictions and publicly announced land prices (Korean Finance Ministry, 2014)

The objective of computerizing land registers was to build a system of property ownership, have uniform land prices and mitigate price fluctuation due to speculative practises in the real estate sector. (Korean Finance Ministry, 2014, p. 46) Thus, South Korea's KLIS is a step in the future of cadastral mapping and geo spatial canvassing both of which are documented to improve land management systems by adopting a scientific approach. "With the systematic land administration system...it is possible to collect data promptly and accurately and comprehensively...across the country. Therefore, land policies are made in a prompt and streamlined manner with national land developed and managed more efficiently" (Korean Finance Ministry, 2014, p. 68) The digitization of land records has lessened the potential for disputes and eased out the burden of the Courts.

FINDINGS & DISCUSSIONS

6.1 Summary Statistics

Tables 1 & 30 in the appendix give an overview of our summary statistics for Punjab and KPK respectively. It has to be underscored that when our survey teams used to visit the courts, there was a general overall reluctance on part of most litigants to answer our questionnaire. On average, less than a fourth of litigants present in the premises would show willingness to respond to our surveys, many of them reluctantly. Hence, our sample size was smaller than we would have liked. However, it is good enough to draw some general conclusions.

For Punjab, we can see in Table 1 that the land revenue cases mainly fall in six categories. The bulk of our cases pertain to partition of land (48%), followed by mutation (19%), inheritance (14%), eviction (12%), demarcation (6%) and correction of record (1%). The average litigant belonged to lower middle class with reported average monthly income of Rs, 38,000 although quite a few outlier cases with income as high as Rs. 6 million per annum or as low as dependence on State dole-outs such as Benazir Income Support Program were also found. Litigants were largely male (91%) and usually semi-literate with the average years of formal education being 6.7 years. Five sixth of the litigants (almost 85%) found in the courts were plaintiffs and only around 15% were respondents. That highlights the fact that the person being wronged has to knock on the doors of the court while the respondent can easily use delaying tactics by not showing up in the Courts of law.



Figure 2 Major Types of Litigation Cases

While the prescribed period for disposal of a case in the revenue court is six months, according to the instructions of the Board of Revenue, Punjab, the cases in our survey were lingering on for 4.64 years on average in Punjab. There is high variance in these figures as seen by the high standard deviation but that is to be expected since about 12.2% of our respondents have cases over 10 years old with the maximum being 50 years old. On the other extreme, some people questioned had filed the case that very day when they were contacted by our field surveyors in court premises. Since we had no

way of guesstimating from those surveys how long the case instituted that day would last till the formal disposal, it was thus well-nigh impossible to calculate the total time duration of a revenue case from institution of the case till its final disposal.¹⁰ In other words, 4.64 years is the average period since the filing of the case. For KPK, this figure is 6.29 years (Table 30). The total duration till case disposal can last many decades.

Given that in Punjab, the disputed land size is about 45.8 kanals on average with claimed valued being Rs. 15 million on average [comparative figures for KPK are 49.7 kanals per case and Rs. 17.6 million on average, respectively (Table 31)], it makes perfect economic sense for the litigants to carry on pursuing the litigation throughout their lifetime, given their own economic status. They hope for some light at the end of the tunnel in the hope that, if not they themselves, their progeny will reap the benefits if they win the title of the property in question. Over these decades, they bear enormous direct costs (stamp fees, lawyer fees, unavoidable bribes) and indirect costs (opportunity costs, time cost, income forgone, stress costs etc) which we are discussing in subsequent sections below.

6.2 Sludge during Gathering Information

One of the first steps a litigant goes through in their revenue court case is that of gathering information. We see that on average a person will spend about 2.38 months gathering information about their case in Punjab. Based on our ideal figures (Table 12), a person should not have to spend more than 7 days in this phase so anything in excess of this is an indication of sludge. Removing these 7 days from this, we get sludge to be on average 2.14 months or 65 days approximately for Punjab (Table 9) and 4.73 months on average for KPK (Table 24). Upon asking the litigants, we found that about 57% of people stated their top activity in this phase was that of gathering documents and out of this 57%, 38.8% of them stated that they spent their time trying to get a copy of the title deed, known as *Fard*, for the property in dispute.

6.3 Sludge during Document Collection

Tables 2A – 2E show summary statistics for Punjab regarding documents that litigants may need during their case. For KPK, Tables 17A – 17E show these figures. These have not been adjusted against our ideal figures from Table 12 but rather show an overall picture of the time document collection can take for a litigant. Table 2E shows that a litigant may on average spend about 8 months just gathering documents. Removing some of our very old cases does bring this down to about 4 months of time on average but that is still well beyond our ideal estimations where a document should not take over 15 days to collect. Adjusted figures in Table 3A, show that for Punjab all documents even after accounting for this 15-day margin, take about 7 months more on average with obtaining of settlement record, called *Jamabandi*, incurring the least amount of sludge at 1.4 months. Adjusted figures (Table 18A) for KPK, however, show that for KPK sludge in document collection is 2.48 months.

Regarding sludge¹¹ in terms of rupees for document collection, Table 3B gives an overview of the monetary and opportunity costs incurred in Punjab. These have been adjusted for inflation using World Bank Consumer Price Index (CPI) data for the years 1960 – 2022 (The World Bank, 2022). CPI data for 2023 was taken from the Pakistan Bureau of Statistics (2023) press release since our last survey was conducted in March 2023.¹² Opportunity cost was calculated by multiplying the total number of visits with the travel and wait time of each visit and the hourly income of the respondent. Overall, for Punjab, one-time opportunity cost at the document collection is about Rs 34,223. Total sludge

¹⁰ All litigants surveyed have cases which are currently on-going in the Revenue Courts.

¹¹ The negative figures in the sludge tables are due to people that fell below our ideals from Table 12.

¹² All monetary figures in our findings have been adjusted for inflation and are in 2023 prices.

a litigant may incur on average during the documentation stage comes out to be around Rs. 44,581 on average.¹³ In comparison, for KPK, overall sludge from document collection is Rs. 113,087 (Table 18B). This is much higher than the Punjab figures as it seems litigants in KPK incur much higher monetary costs when collecting documents. These document collection cost occur before the formal institution of the case in the revenue court.

6.4 Sludge cost of Court Hearings

With regards to hearings, Table 4 shows adjusted figures for sludge in Punjab. Unlike document collection which is a singular task, hearings and adjournments can happen all year round, therefore, we calculated a yearly figure for sludge due to hearings which comes out to be about Rs. 71,195. Furthermore, litigants waste about 23.3 hours a month on average due to hearings and incur an opportunity cost of about Rs. 4,657 per month on travel to the courts on the dates of hearing. Hearings set above our ideal figure of 5 for the entire case, are 50 on average. Out of these 50 hearings, they are heard about 7 times on the date they were set, so on average one has to be disappointed 43 times when the hearing does not take place due to the Revenue Officer being on leave, being away from the office, lawyer's strikes and other such issues. Moreover, after adjustment for 30 days ideal time period, it takes about 43 days more on average for the first hearing to even be set.



Figure 3 Average number of hearings set vs hearings held

For KPK, Table 19 gives adjusted figures for sludge incurred during hearings and adjournments. Here, hearings are set about 50 times on average as well, after adjustment for the ideal figure of 5 hearings, but heard only 6 times on average. The first hearing takes about 101 days to even be set, even after adjusting for the 30-day ideal figure. Lastly, yearly sludge in KPK due to hearings is about Rs. 67,863 on average.

6.5 Sludge cost of meeting the Revenue Officer (RO)

Ideally a litigant would only have to meet a RO once but as can be seen in Table 5A this is not the case. For Punjab, even after adjustment, people meet RO's at least 16 times a year with the most meetings on average being with the DC/ADCR. Average waiting time in the office for these meetings comes out to be 2.86 hours, this after the deduction of the 2-hour ideal waiting time means a litigant is spending 5 hours a day waiting on all RO meetings. This coupled with an average travel time of about 6 hours for all RO meetings means we get a sludge figure for total time wasted on RO meetings to be around 258 hours on average in the past year (Table 5D). Sludge in terms of monetary cost in the past year

¹³ The number of people incurring opportunity costs vs monetary costs is lower (see Table 3B) hence the total sludge figure from document collection is lower.

is about Rs. 53,328 with an opportunity cost of about Rs. 21,583 a year (Table 5E). Total yearly sludge¹⁴ is about Rs. 58,000¹⁵ (Table 5G) for Punjab.

In comparison, for KPK, total yearly sludge is about Rs. 170,000 (Table 20G) owing mostly due to the fact that litigants met the RO's about 35 times on average in the past year (Table 20A) which is more than double the meetings in Punjab, thus, spending 935.15 hours (Table 20D) on meeting RO's in the past year.

6.6 Sludge costs reflected in Other Expenses

Table 6 and Table 21 highlight typical expenses a litigant may go through during their cases for the two provinces, respectively. We do not consider stamp duty/government fee to be in the sludge category, but it has still been documented. On a per year basis a litigant can end up spending about Rs. 144,000 in expenses in Punjab and Rs. 111,000 in expenses in KPK. We categorize these expenses as sludge. These figures include money spent on lawyers, revenue court staff (speed money) and food but the bulk of it, unexpectedly, is lawyer fees.

6.7 Sludge comparison of Document Collection from Arazi Record Center vs Patwari

We wanted to make a distinction between document collection from the Patwari versus document collection from the Arazi Record Centers. Tables 7 and 8 show the sludge associated with each in Punjab. A thing to note, we applied more strict ideals on the Arazi Record Center with regards to document collection time. We believe since the Arazi Record Centers are digitized, they should not take more than a day to give the litigant their document. In comparison, the Patwari is afforded 15 days. Thus, total time taken (after adjustment for ideal time) to collect documents from Patwari is about 16-17 days on average and about 30 days on average for the Arazi Record Center in Punjab. If the Arazi Record Center is given the same time ideal as the patwari (15 days), then this average comes out to be 16. This means they are roughly the same in terms of time taken. Total opportunity cost, however, is lower in the Arazi Record Center (Rs. 14,191 vs Rs. 18,122 on average).

When asked which people thought was more accessible, the Patwar Center or the Arazi Record Center, 62% of litigants said they thought the Arazi Record Center was more accessible with 26.4% being neutral (in Punjab). There is also a sizable difference in the amount of money which is being spent on the Patwari (Rs. 20,124 on average) versus the Arazi Record Center (Rs. 5,463 on average). There is, therefore, merit to the idea of phasing out the role of the Patwari. We also asked our respondents, how long it took on average to get documents before the development of the Arazi Record Centers and that came out to be about 18 days on average (Table 8) for Punjab.

For KPK, Tables 22 & 23 highlight our findings. Money spent on the Patwari is still higher in KPK (Rs. 10,883 vs Rs. 2,344). Time spent to get documents from the Arazi Record Centers is also lower than that of the Patwari. After adjustment of the 15-day ideal, the Patwari in KPK takes 5.7 days to give the documents. In comparison, the Arazi Record Centers take about 9 days on average, after adjusting for the one day ideal. This means that if the Patwari was afforded one day and not 15 days, sludge in document collection from the Patwari would be 19.7 or 20 days on average. This is 11 days above the Arazi Record Centers document provision time.

6.8 Overall Findings from Each Step

Tables 9 & 10 show figures for overall sludge in the various steps involved in the litigation process in Punjab while Tables 24 & 25 show overall sludge figures for KPK. It clearly shows that there is room to make improvements in each step, particularly in the document collection process. Time taken to

¹⁴ Assuming past year figure apply for the entire case period.

¹⁵ n=130 for total opportunity cost when meeting RO's while n=194 for total monetary cost from meeting RO. This is why the sum of their means is lower.

get your first hearing should be reduced as well. Currently it is at 43 days above our ideal figure for Punjab and 101 days above in KPK. Significant reforms are required in this area considering hearings end up costing the litigant almost Rs. 71,196 per year in Punjab & Rs. 67,963 in KPK. Table 11 shows that litigants find the hearing process to be amongst the most stressful in Punjab and second most stressful step in KPK (Table 28).





The Arazi Record Centers need to improve upon document provision time since the purpose of digitization was to remove long waits for document collection. This will help reduce sludge in time during this process as well as reduce the reliance upon the Patwari who, as seen in Table 11 & Table 28 (for Punjab and KPK, respectively), is more stressful for the litigant than going to the Arazi Record Center (3.54 vs 2.86 on a Likert Scale in Punjab and 3 vs 2.21 on a Likert Scale in KPK).

On a per year basis, sludge after excluding the one-time costs of document collection & gathering information, is about Rs. 198,498. Including these one-time costs increases the figure to Rs. 250,487 for Punjab (Table 13). For KPK, these figures are higher with yearly sludge being on average Rs. 306,834 for all steps and Rs. 263,067 if we exclude the one-time costs (Table 26). We also looked at sludge as a percentage of people's income and it turns out that if a person has to go through all steps in a year, it takes up about 84% of their income in Punjab and about 79% of their income in KPK, which is clearly untenable (Tables 13 & 26). If we remove the one-time costs, this percentage falls to 67% in Punjab & 66 % in KPK, which though lower is still a figure that needs to be addressed and lowered.





The tables A1 & A2 below show an overview of these findings for sludge terms of time and money spent on each step in Punjab:

| Table A1: Sludge in Terms of Time Taken for Punjab | | | | | | | | |
|--|---|--|--------------------------------|--|---|---|--|--|
| No. | Step | Description | Average Number of Visits | Average Travel Time per visit (2 way) (hours) | Average Wait Time per visit (hours) | Average Agency/ Collection Time (hours) | Average Total Sludge Time (months) | |
| 1 | Gathering Information | Sludge in Time taken to gather information | | | | | 2.14 | |
| | | Sludge in Collection of Fard Malkiat | 3.66 | 9.29 | 2.77 | 1733.63 | 2.44 | |
| | | Sludge in Collection of Jamabandi | 4.98 | 5.86 | 2.69 | 999.6 | 1.41 | |
| 2 | Document Collection | Sludge in Collection of Khasra Girdwari | 5.78 | 3.89 | 1.09 | 4715.77 | 6.38 | |
| | | Sludge in Collection of Shajra Nasb | 6.15 | 3.76 | 0.94 | 5199.41 | 7.13 | |
| | | Sludge in Collection of all Documents | 10.61 | 12.65 | 4.01 | 4994.03 | 7.01 | |
| 3 | Document Collection from Patwari | Sludge in Document Collection from Patwari | 6.68 | 3.49 | 2.08 | 430.21 | 0.54 | |
| 4 | Document Collection from Arazi Record Center | Sludge in Document Collection from Arazi Record Center | 6.36 | 5.18 | 1.58 | 660.48 | 0.99 | |
| 5 | Hearings | Sludge in Hearings in a Month | 2.17 | 7.72 | | | 0.03 | |
| | | Visits to Patwari in the past year | 6.68 | 2.96 | 2.03 | | 0.056 | |
| | | Visits to Girdawar Qanungo in the past year | 5.78 | 1.64 | 0.13 | | 0.022 | |
| | | Visits to Naib Tehsildar in the past year | 10.06 | 2.09 | 1.69 | | 0.068 | |
| 6 | RO Meetings | Visits to Tehsildar in the past year | 7.61 | 3.43 | 1.49 | | 0.046 | |
| | | Visits to AC in the past year | 12.18 | 5.54 | 0.73 | | 0.102 | |
| | | Visits to DC/ADCR in the past year | 12.57 | 3.73 | 1.85 | | 0.133 | |
| | | Visits to All Revenue Officers in the past year | 16.02 | 6.16 | 2.86 | | 0.36 | |

| 7 | Overall Total Sludge Per Year | | | | 9.4 |
|---|-------------------------------------|--|------|------|-----|
| | | | | ()) | |

Average Total Sludge Time is calculated by summing up travel time, wait time & agency/collection time per respondent and then taking an average over its observations. It is not a sum of the individual averages of its components as there are respondents who may not have incurred one or two of the components. This means that the number observations for the Average Total Sludge Time column are different from its components number of observations.

| Table | Table A2: Sludge in terms of Rupees for Punjab | | | | | | | |
|-------|---|--|-----------------------------|---|---------------------------------|------------------------------|--|--|
| No. | Step | Description | Average Monetary Cost | Averag e Travel Cost per visit | Average Opportunit y Cost | Average Total Sludge Cost | | |
| 1 | Gathering Information | Total Sludge in Rupees | | | 81099.26 | 81099.26 | | |
| | | Cost Borne by litigant for Jamabandi | 18822.26 | | 8891.88 | | | |
| | | Cost Borne by litigant for Fard Malkiat | 17969.37 | | 8973.11 | | | |
| 2 | Document Collection | Cost Borne by litigant for Khasra Girdawari | 22294.36 | | 9324.1 | | | |
| | | Cost Borne by litigant for Shajra Nasb | 25419.69 | | 12273.33 | | | |
| | | Total Cost borne by litigant for all Documents | 34222.98 | | 22007.5 | 44581.32 | | |
| 3a | Document Collection from Patwari | Sludge in Money Spent on Patwari for Document Collection | | | 18121.82 | | | |
| 3b | Document Collection from Arazi Record Center | Sludge in Money Spent on Arazi Record Center for Document Collection | | 3559.7 6 | 14191.39 | | | |
| 4 | Hearings | Cost borne by litigant due to hearings per year | | 1634.8 6 | 55879.85 | 71195.91 | | |
| | | Money spent on the Patwari in a year | 20123.61 | | 6456.08 | | | |
| | | Money spent on the Girdawar Qanungo in the past year | 7007.81 | | 3135.85 | | | |
| | | Money spent on the Naib Tehsildar in the past year | 21104.53 | | 9402.05 | | | |
| 5 | RO Meetings | Money spent on the Tehsildar in the past year | 12865.63 | | 5646.83 | | | |
| | | Money spent on the AC in the past year | 21921.15 | | 19507.78 | | | |
| | | Money spent on the DC/ADCR in the past year | 69164.43 | | 18529.28 | | | |
| | | Money spent on all Revenue Officers in the past year | 53327.68 | | 21583.11 | 58000 | | |
| 6 | Expenses | Lawyer fees, Revenue Court Staff and Food per year | 144000 | | | 144000 | | |
| 7 | Overall Total Sludge Per Year | | | | | 250486.96 | | |
| | | | | | | | | |

6.9 Opportunity Cost of Land under Dispute

We also looked at the potential foregone agricultural output which could have been produced had the land not been in dispute. In our survey for Punjab, we asked litigants how they planned to use the land if it had not been in dispute and found three main answers, i.e. 12.59% of people said they wanted to build a house for their personal use; 69.58% said they would grow agricultural crops for their personal use and 35.66% said they would grow agricultural crops for sale.¹⁶ We calculate opportunity cost of land from agricultural income foregone on this 35.66% of people for Punjab.

Sugarcane is a main agricultural crop in our locations under survey in Punjab (Kasur & Toba Tek Singh) as seen in the data reported by the Crop Reporting Service of the Punjab Government (Crop Reporting Service, 2020; Crop Reporting Service, 2021; Crop Reporting Service, 2023a) . We, therefore, assume that had the land not been under dispute our litigants would have used the land to produce sugar cane in Punjab. For KPK, we assume a rice-wheat rotation as these two crops are often grown together in KPK as seen in the 28-year historical data published by the Federal Bureau of Statistics (Federal Bureau of Statistics, 2009) and the crop statistics published by the Crop Reporting Service for KPK (Directorate General Crop Reporting Service, 2023).

Sugar cane is a yearly crop (takes a year to sow and harvest) so we will be calculating total yearly output foregone. We assume that total output per acre will equal the average output per acre per location as reported by the Crop Reporting Service of Punjab (Crop Reporting Service, 2021; Crop Reporting Service, 2023a). For rice & wheat for KPK, we take average output per acre from Agriculture Marketing Information Service (AMIS) (Agriculture Marketing Information Service, 2022b).

We then convert this foregone output to a monetary value by using the minimum support price (MSP) (for sugarcane & wheat) which is announced by the Punjab government every year. Data for the minimum support price for wheat & sugarcane is taken from AMIS (2023a), AMIS (2023b) & from the Crop Reporting Service (2023b). For rice, we use indicative price, the data for which is taken from the Crop Reporting Service (2023b). Lastly, we also account for cost of production of all crops, the data for which has also been taken from the Crop Reporting Service (2023b). Lastly, we also account for cost of production of all crops, the the rice grown in KPK was basmati rice.

Table 14 shows the total output of sugar cane lost on average (by location) and the monetary value associated with this lost output. We found that on average total sugar cane production lost due to the case is about 22,113 maunds ¹⁷ which in monetary terms is about Rs. 7.67million on average. In order to calculate potential profit that could have been earned from sale of sugar cane we use cost of production data¹⁸ and find that potential profit could have been about Rs. 2.09 millionon average.

The longer a case goes on the more agricultural income is forgone, thus, we also calculated yearly production lost which comes out to be about 4,703 maunds per case with a monetary sale value of about 16.2 lakh rupees. Yearly profit from sale of sugarcane is about 4.6 lakh rupees on average.

For KPK, Table 27 shows the total output loss of rice & wheat is 7,564.24 maunds on average which in monetary terms is Rs. 2.1662 million. Average rice and wheat production lost is about 435.4 maunds per year and average yearly profit lost due to land disputes in KPK is about Rs. 319,000.

¹⁶ Respondents were allowed to give multiple reasons which is why the percentages do not sum to a 100.

 $^{^{17}}$ 1 maund = 40 kg

¹⁸ Cost of production data is only from 2001 onwards but this does not affect our calculations much as only one case started before 2001. There is another case which started in 1971 but we removed it from the land opportunity cost calculations since we could not find historical data on agricultural outputs that was older than 1981. As such profit figures are, therefore, from cases which started from 2001 onwards.

Owing to lack of data availability, the monetary values of opportunity cost of rice & wheat for KPK has been calculated for the years 2001-2021 only.

Figure 6 Usage if land was not disputed In Punjab



6.10 Sludge as a Percentage of Gross Domestic Product (GDP)

Lastly, we calculated sludge as a percentage of GDP. To do so, we first calculated the average sludge incurred by a litigant per year. This includes sludge incurred from each step a litigant may go through during a case, namely,

- (1) the gathering information step (one-time cost),
- (2) the document collection step (one-time cost),
- (3) the hearings or adjournment step,
- (4) the expenses (lawyer fees or speed money) step,
- (5) the RO meetings step and,
- (6) the potential profit lost due to agricultural income foregone.

Adding all these together shows that the average cost of sludge per litigant per year is about Rs. 7.1 lakhs (Table 15) for Punjab and Rs. 6.26 lakhs for KPK (Table 29). We also calculated a sludge figure to account for years where the litigant did not incur the one-time costs associated with the document collection step and the gathering information step. This average sludge figure (only includes step (3) – (6)), comes out to be about Rs. 6.58 lakhs per year for Punjab and Rs. 5.82 lakhs per year for KPK.

To scale this figure up for comparison with overall GDP we assume that these two figures represent the average sludge any litigant in any district of Punjab may face per year. Thus, to measure the yearly sludge cost in Punjab, we collected information about the total number of revenue court cases in Punjab from the Punjab Board of Revenue. We multiplied this average yearly sludge figure with the number of cases that have been in the revenue court system for more than 12 months from 1st January 2022 – 31st December 2022 (a total of 65396 cases for the year ended 2022). If litigants went through all the steps in a year, then the total yearly sludge in Punjab is Rs. 46437.68 million for 2022. If they only go through the yearly steps (excluding one-time costs), then total yearly sludge for Punjab is Rs. 43037.55 million for 2022. As a percentage of GDP this comes out to be about 0.092% and .085% respectively (Table 15) which means that regardless of whether the litigants go through the one-time

costs or not, the impact of delaying timely adjudication of agricultural land cases is approximately 0.1% of GDP per year.¹⁹

However, since our study deals with agricultural land, we thought looking at sludge as a percentage of agricultural GDP would be more accurate. Agriculture, Forestry & Fishing has a sectoral share of GDP of 22.91% for 2022-23 while crops have a share of 7.72% of GDP (Pakistan Bureau of Statistics, 2022b). We use this to calculate sludge as a percentage of Agriculture, Forestry & Fishing which come out to be 0.4% per year (if you go through all steps) and 0.37% (if you exclude one-time costs). If we look at it through only crop GDP of Pakistan, then the percentages are 1.19 and 1.1 respectively. As our data is from Punjab, we also calculated this percentage in terms of Punjab's Agricultural GDP. The estimated share of Punjab in national GDP was 54.2 percent in 2017-18 (Planning and Development Board, 2023).²⁰ Using this we calculate an estimate sludge as a percentage of Punjab's Agricultural GDP which comes out to be 0.741% (if we go through all steps in a year) and 0.687% (if we go through only the yearly steps).

Similarly, for KPK, we also calculate sludge as a percentage of KPK's agricultural GDP (Table 29) which is 0.57% (all-steps) and 0.53% (excluding one-time steps). Sludge as a percentage of crop GDP for KPK is 3.77% (all-steps) and 3.51% (excluding one-time steps). Data for KPK's agricultural and crop GDP etc. has been taken from the GDP 2021-22 estimates report published by the Bureau of Statistics Khyber Pakhtunkhwa (2021). Table A3 below summarizes the findings for Punjab.

| Steps in a Revenue Court Case | Total Number of Cases in Punjab (12 months or more) | Cost of Sludge (million rupees) for 2022 | Percentage of Crops GDP of Pakistan for 2022 | Percentage of Agriculture, Forestry & Fishing GDP of Pakistan for 2022 | Percentage of Punjab's Agricultural GDP for 2022 |
|--|--|--|---|---|---|
| All steps: Steps (1) – (6) | 65,396 | 46,437.68 | 1.19 | 0.4 | 0.741 |
| Excluding one-time cost: Steps (3) –(6) | 65396 | 43,037.55 | 1.1 | 0.37 | 0.687 |

 Table A3 Sludge as a Percentage of Agricultural GDP for Punjab

We also look at the value of the disputed territory as a percentage of GDP in a similar manner. We assume that the average value of disputed territory in Punjab for all revenue court cases is about Rs. 150.22 lakhs (Table 1). Total number of cases in the revenue courts of Punjab which have existed for 12 months of more are 65,396 as mentioned earlier, thus, the value of disputed territory as a percentage of Pakistan's GDP comes out to be 1.95% and 3.59% of Punjab's total GDP, which means 15.68%, or nearly one-sixth, of Punjab's rural (i.e. agricultural GDP). If we use real estate activities in GDP, which is also taken from the Pakistan Bureau of Statistics (2022b) National Tables, we see that disputed territory's value as a percentage of real estate GDP for Punjab is 33.85% which is quite high.

¹⁹ When we added in the agricultural income foregone, we only considered the direct effect of sugarcane production on the litigant (profit foregone) but there are bound to be indirect impacts of increased sugarcane production in the economy as well especially on sugar production and its exports. This could also potentially impact GDP.

²⁰ More recent figures are not available.
Table A4 below summarizes these findings for Punjab.

| Total Number of Cases in Punjab (12 months or more) | Value of Disputed Territory in lakh rupees | Percentage of Real Estate Activities GDP | Percentage of Punjab total GDP 2022 | Percentage of Punjab Agricultural GDP 2022 |
|--|--|--|---|---|
| 65,396 | 150.22 | 33.85 | 3.59 | 15.68% |

 Table A4 Value of Disputed Territory as a Percentage of GDP for Punjab

The data for GDP 2022-23 was taken from Pakistan Bureau of Statistics National Accounts tables (Pakistan Bureau of Statistics, 2022a; Pakistan Bureau of Statistics, 2022b). Table 16 in Annexures lists the districts of Punjab used.

Overall, for KPK and Punjab, Table A5 below and Table 32 in the appendix show sludge as a percentage of GDP as well as the value of disputed territory as a percentage of Real Estate Activities GDP per year. Sludge as a percentage of Crop GDP is 1.4% (all steps) and 1.3% (exclude one-time steps) while disputed territory as a percentage of Real Estate Activities GDP is 47.5%.

| Steps in a Revenue Court Case | Total Number of Cases in Punjab & KPK (12 months or more) | Cost of Sludge (million rupees) for 2022 | Percentage of Crops GDP of Pakistan for 2022 | Percentage of Agriculture, Forestry & Fishing GDP of Pakistan for 2022 | Value of disputed territory in Punjab & KPK as a percentage of Real Estate Activities GDP per year |
|--|---|--|---|---|---|
| All steps: Steps (1) – (6) | 78,248 | 54,482.76 | 1.4 | 0.47 | 47.5 |
| Excluding one-time cost: Steps (3) -(6) | 78,248 | 50,520.16 | 1.3 | 0.44 | 47.5 |

Table A5 Sludge as a Percentage of GDP for KPK and Punjab

6.11 Stress Distribution

In Figures 7 & 8 below, we have calculated the stress distribution for Punjab following the methodology of Haque et al. (2022) i.e., by multiplying the total process time by the stress level (represented in percentage form). We consider the gathering information phase and the document collection phase to be a one-time activity which the litigant will go through during the beginning of their case. As such, Figure 7 represents the stress distribution for the beginning phase (first year) of the case. It shows that the document collection process is the most stressful process for litigant, taking up 69% of the stress distribution. This is to be expected since the document collection phase takes up the most time out of these steps (almost 7 months of sludge).

Figure 7 Yearly Stress Distribution including one time activity



In comparison, for KPK, figure 9 in the appendix shows that the gathering information phase is the most stressful for the respondent (45%) followed by the document collection phase (33%) which can be attributed to the fact that people spend more time in the gathering information phase in KPK than in Punjab.

We, then, remove these two activities from the distribution to see what stress in a year wherein the litigant is simply engaged in hearings and meetings with the RO's would look like. This is shown in Figure 8 for Punjab and in Figure 10 for KPK (appendix). In this case, we see that hearings take up 78% of the stress distribution for Punjab. This is understandable since the hearings phase costs the litigant the second most (annually) in terms of sludge (almost Rs. 71,000). Table 4 shows that hearings are only held on average about 7 times out of the 50 times they have been set for a date. So not only are they costing a lot, but such high number of adjournments are bound to cause stress. Hearings also take up 83% of the stress distribution for the litigant in KPK as well (Figure 10).





CONCLUSIONS

There are many important conclusions to be drawn from this study about the slow delivery of justice and the economic fallout arising therefrom. Fundamentally, there is a serious crisis regarding the security of property titles in Pakistan. Since our study was focussed on revenue court system, the scope of our analysis is restricted to rural and agricultural property only. This is not to say that the titles of urban property, whose disputes are dealt with by civil courts, gives any better picture. Given that urban property is much more expensive than the rural property, the study about the economic impact of delayed justice may give more startling figures.

Our analysis about sludge costs of agricultural property disputes is a whopping Rs. 46,438 million for just over 65,000 litigations in revenue courts in Punjab alone. These are the avoidable costs that should not have occurred in the first place, had the land revenue management were an efficient system in the country. Since our average litigant was from rural—and mostly poor background—this sludge cost could on average consume 84% of his income in the first year and up to two thirds of his annual income in the subsequent years. The cases may last twenty years or more, and can be carried on by the next generation. In some cases, the total costs to the parties involved over the lifetime of a case, exceeds the value of disputed property.

The average stated value of disputed property in land revenue cases is circa Rs. 15 and 17 million, in Punjab and KPK, while the average annual income of the plaintiffs is in the vicinity of half a million rupees in both the provinces. Meaning thereby that a litigant fights for a property whose worth is thirty years of his income. In other words, the value of disputed property exceeds total lifetime income of his productive life. Even if a case lasts, or is likely to last, 15-20 years it makes perfect economic sense for him to fight the legal battles tooth and nail in the hopes of winning the title of the land one day. That is, even if the value of property remains stagnant in those decades, which is an implausible scenario, given Pakistan's explosive population growth rate.

The sludge cost of agricultural property disputes for Punjab alone is nearly four percent of its agricultural (i.e. rural) GDP. The price of disputed land under litigation in the revenue courts comes to about 3.59% of the total GDP of Punjab. Given that only 22.91% of the GDP of the province comes from the rural areas, as agricultural GDP, the value of disputed property calculated as a fraction of the rural economy comes to nearly one fifth [i.e. 15.68%] of the total economic output from the villages. And this is without taking into account the economic costs of violence and crime that the land disputes beget.

It makes strong moral, legal and economic sense for a state to ensure that (a) property titles are secure; (b) any disputes arising out of land are settled expeditiously; and (c) proper legal and technical infrastructure is in place to achieve the preceding two ends.

POLICY RECOMMENDATIONS

Sunstein (2021) defines sludge reduction as anything that simplifies it for the people to attain their desired task. It can be through changes in policy design or simplification of procedures or any change at implementation level. It is pertinent to note here that Sunstein explicitly states that "worst kind of sludge might not be paperwork at all" (Sunstein, 2021, p. 98). Applying this concept at the issue at hand, this study tried to find ways to reduce sludge in the Revenue Courts as elaborated in the Recommendations below. Moreover, these recommendations are also informed by the lessons that were derived from the international best practices that we discussed in Section 5 above.

The Study has found out that the most time consuming (usually around 7-8 months) and stressful process in land revenue litigation is the initial process of document collection. Hence, it entails the

highest sludge costs. In fact, certain documents may be required by the Court in subsequent hearings, leading the litigants to go to the revenue officials for obtaining those documents. Hence, digitization of all land revenue documents is the most important policy intervention that the government can undertake. The province of Punjab has taken the lead: in the seventeen years since the digitization process was launched in 2006, the government has been able to digitize 91% of rural land records.

This is a step in the right direction, completely in line with international best practices outlined earlier in this study. The political will, financial backing and administrative attention of the Government is recommended to zero in on the target of cent percent digitization of land record. The Punjab model of Pakistan can easily be replicated in other three provinces and the Azad state of Jammu and Kashmir (AJK) at the earliest with a time bound target for completion of digitization by the year 2030.

The litigants surveyed during our study overwhelmingly agreed that it costs much less money and significantly low level of stress in getting a document from the digital services, called Arazi Record Centers (ARCs) in Punjab, than from the revenue officials called *Patwaris*. Yet, there was a general lack of awareness about the digital services that were available. Less than one percent of the people confirmed knowledge of the existence of the PLRA App through which some, though not all, of the documents could be downloaded on their smart phones, dispensing with the need of visiting the Arazi Record Centers. Hence, our second recommendation is to make the digital services wide publicity through sustained electronic, print and social media campaigns.

The third recommendation that comes out of this study is about a longer, at least a year-long, pre service training for lower judiciary and then regular in-service trainings for the civil judges at each level of career progression, on the pattern of the same type of trainings for the officers of the central superior services. The proper training of lower judiciary coupled with a strong institutionalized reward-and-punishment system against errant behaviour, such as taking cognizance of the cases falling in the jurisdiction of another stream of courts, is also a required legal reform.

The fourth recommendation is about time-line for disposal of a case. The promotion and career progression of the revenue and administration officers should also depend on benchmarking related to the case disposal in land revenue matters. The guidelines issued by the Board of Revenue, Punjab, about the disposal of cases within six months can only be complied with, if every Divisional Commissioner must ensured that a certain number of the Additional Commissioners and Additional Deputy Commissioners under his command, are spared full time from administrative work, to concentrate on court work only.

Our final recommendation revolves round the incentivization of disposal of land revenue cases by the revenue officers. The percentage of cases disposed of, should be reflected in the annual Performance Evaluation Reports (PERs) of the civil officers. Quick disposal should be rewarded by out of turn progression, while lack of interest in their judicial functions or poor draftmanship in the judgments needs to be reprimanded.

One can hope that the recommendations of this study will go a long way in influencing the policy makers in reforming the revenue court and civil courts systems. The security of land titles, digitization of land records and expeditious disposal of land revenue cases, within six months at the most, are the essential requirements for a progressive and prosperous Pakistan.

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APPENDICES

PUNJAB TABLES

Table 1: Summary Statistics - Punjab

| Variable | | Mean | Std. | | Max |
|---|-----|----------|---------|-----|--------|
| | Obs | | Dev. | Min | |
| Male | 286 | .91 | .28 | 0 | 1 |
| Age | 276 | 48.45 | 13.81 | 20 | 90 |
| Monthly Income in Rupees | 192 | 38036.47 | 45516.5 | 0 | 500000 |
| Years of Formal Education | 285 | 6.7 | 4.89 | 0 | 18 |
| Litigant is a Plaintiff | 286 | .85 | .36 | 0 | 1 |
| Years since case was filed | 283 | 4.64 | 7.23 | .01 | 50 |
| Land Size of Disputed Territory in Kanals | 283 | 45.77 | 66.8 | .15 | 436 |
| Total Disputed Territory Value in Lakh Rupees | 275 | 150.22 | 291.97 | 0 | 2500 |
| Land Use: To grow agricultural crops for sale | 286 | .36 | .48 | 0 | 1 |
| Land Use: To grow agricultural crops for personal | 286 | .7 | .46 | 0 | 1 |
| use | | | | | |
| Land Use: I would use it to build a house or houses | 286 | .13 | .33 | 0 | 1 |
| for my personal use | | | | | |
| Case Type: Demarcation | 286 | .06 | .24 | 0 | 1 |
| Case Type: Partition | 286 | .48 | .5 | 0 | 1 |
| Case Type: Mutation | 286 | .19 | .39 | 0 | 1 |
| Case Type: Inheritance | 286 | .14 | .35 | 0 | 1 |
| Case Type: Eviction | 286 | .12 | .32 | 0 | 1 |
| Case Type: Correction of Record | 286 | .01 | .08 | 0 | 1 |
| Months taken to gather information before filing | 244 | 2.38 | 3.23 | 0 | 15 |
| case | | | | | |

Table 2A: Document Collection Summary Statistics: Visits - Punjab

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|-----------------------------------|-----|-------|-----------|-----|-----|
| Total Visits to office for | 102 | 5.98 | 15.33 | 0 | 120 |
| Jamabandi | | | | | |
| Total Visits to office for Fard | 137 | 4.66 | 9.21 | 0 | 100 |
| Malkiat | | | | | |
| Total Visits to office for | 88 | 6.78 | 12.86 | 1 | 100 |
| Khasra Girdawari | | | | | |
| Total Visits to office for Shajra | 52 | 7.15 | 15.26 | 1 | 100 |
| Nasb | | | | | |
| Total Visits to offices get all | 177 | 12.86 | 33.88 | 0 | 402 |
| documents | | | | | |

Table 2B: Document Collection Summary Statistics: Agency Time - Punjab

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|-----|------|-----------|-----|-----|
| Time taken in months to collect Jamabandi | 113 | 1.89 | 10.2 | 0 | 96 |
| Time taken in months to collect Fard Malkiat | 182 | 2.91 | 12.92 | 0 | 120 |
| Time taken in months to collect Khasra Girdawari | 90 | 7.05 | 37.41 | 0 | 300 |
| Time Taken in months to collect Shajra Nasb | 58 | 7.72 | 34.99 | 0 | 240 |
| Total Time Taken in months to collect all | 233 | 7.91 | 47.48 | 0 | 540 |

documents

| Table 2C: Document Collection Summary Statistics: Wait Time - Punjab | | | | | | | | | |
|--|-----|------|-----------|-----|-----|--|--|--|--|
| Variable | Obs | Mean | Std. Dev. | Min | Max | | | | |
| Waiting Time (hours) in office for Jamabandi | 95 | 4.69 | 6.81 | 0 | 24 | | | | |
| Waiting Time (hours) in office for Fard Malkiat | 160 | 4.77 | 6.61 | 0 | 24 | | | | |
| Waiting Time (hours) in office for Khasra | 86 | 3.09 | 3.96 | 0 | 24 | | | | |
| Girdawari | | | | | | | | | |
| Waiting Time (hours) in office for Shajra Nasb | 54 | 2.94 | 1.98 | .5 | 12 | | | | |
| Total Waiting Time (hours) in office for all | 212 | 7.92 | 9.7 | 0 | 48 | | | | |
| documents | | | | | | | | | |

Table 2C: Document Collection Summary Statistics: Wait Time - Punjab

Table 2D: Document Collection Summary Statistics: Travel Time - Punjab

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|-------|-----------|-----|-----|
| Time taken (hours) to travel to office for Jamabandi | 96 | 5.86 | 12.2 | 0 | 72 |
| Time taken (hours) to travel to office for Fard Malkiat | 153 | 9.29 | 23.59 | 0 | 240 |
| Time taken (hours) to travel to office for Khasra | 85 | 3.89 | 8.47 | 0 | 48 |
| Girdawari | | | | | |
| Time Taken (hours) for office visit for Shajra Nasb | 53 | 3.76 | 9.94 | .25 | 72 |
| Total Travel Time (hours) to visit office for documents | 202 | 12.65 | 24.74 | 0 | 246 |
| (2 way) | | | | | |

Table 2E: Document Collection Summary Statistics: Total Time: Wait Time + Travel Time + Agency Time - Punjab

| Variable | | | Std. | | Max |
|--|-----|------|-------|-----|-------|
| | Obs | Mean | Dev. | Min | |
| Total Time (months) spent by litigant on gathering | 233 | 7.99 | 47.57 | 0 | 540 |
| documents | | | | | |
| Total Time (months) for Jamabandi (agency time + wait | 114 | 1.91 | 10.19 | 0 | 96.42 |
| time + travel time) | | | | | |
| Total Time (months) for Fard Malkiat (agency time + wait | 182 | 2.94 | 12.93 | 0 | 120 |
| time + travel time) | | | | | |
| Total Time (months) for Khasra Girdawari (agency time + | 93 | 6.88 | 36.84 | 0 | 300 |
| wait time + travel time) | | | | | |
| Total Time (months) for Shajra Nasb (agency time + wait | 59 | 7.63 | 34.75 | .01 | 240 |
| time + travel time) | | | | | |

Table 3A: Document Collection Sludge in terms of time - Punjab

| Obs | Mean | Std. Dev. | Min | Max |
|-----|------------------------|----------------------------|--|---|
| 182 | 2.44 | 12.93 | 5 | 119.5 |
| 114 | 1.41 | 10.19 | 5 | 95.92 |
| 93 | 6.38 | 36.84 | 5 | 299.5 |
| 59 | 7.13 | 34.75 | 49 | 239.5 |
| 233 | 7.01 | 47.51 | -1.86 | 539 |
| | 182 114 93 59 | 1822.441141.41936.38597.13 | 1822.4412.931141.4110.19936.3836.84597.1334.75 | 1822.4412.9351141.4110.195936.3836.845597.1334.7549 |

documents

Table 3B: Document Collection Sludge in terms of Rupees Punjab

| Variable | | Mean | Std. Dev. | Min | Max |
|---|-----|----------|-----------|---------|-----------|
| | Obs | | | | |
| Total Opportunity (Rs.) cost borne by | 76 | 8891.88 | 29572.73 | -625 | 231250 |
| litigant for Jamabandi | | | | | |
| Total Opportunity (Rs.) cost borne by | 99 | 8973.11 | 32365.11 | - | 309375 |
| litigant for Fard Malkiat | | | | 1666.67 | |
| Total Opportunity (Rs.) cost borne by | 72 | 9324.1 | 24785.12 | -109.38 | 159062.5 |
| litigant for Khasra Girdawari | | | | | |
| Total Opportunity (Rs.) cost borne by | 45 | 12273.33 | 44684.21 | -312.5 | 270312.5 |
| litigant for Shajra Nasb | | | | | |
| Total Money Spent on Jamabandi | 92 | 18822.26 | 54369.84 | -500 | 309159.13 |
| Total Money Spent on Fard Malkiat | 165 | 17969.37 | 82414.61 | -500 | 928477.38 |
| Total Money Spent on Khasra Girdawri | 71 | 22294.36 | 75331.65 | -500 | 578781.69 |
| Total Money (Rs.) Spent on Shajra Nasb | 36 | 25419.69 | 48079.42 | -500 | 185295.47 |
| Total Opportunity Cost (Rs.) for litigant | 128 | 22007.5 | 78529.38 | - | 810937.5 |
| due to document collection | | | | 1666.67 | |
| Total Monetary Cost (Rs.) spent on | 216 | 34222.98 | 139302.4 | -1000 | 1700625.1 |
| documents | | | | | |
| Total Sludge (Rs.) from document | 229 | 44581.32 | 166232.16 | -1000 | 1860625.1 |
| collection | | | | | |

Table 4: Sludge in Hearings - Punjab

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|----------|-----------|--------|---------|
| Travel time (hours) to court per visit (2 way) | 253 | 7.72 | 9.71 | 0 | 72 |
| Average Travel Cost (Rs.) per visit to court or office | 227 | 1634.86 | 1752.47 | 0 | 12000 |
| Sludge in total cost (Rs.) of travelling to court/offices | 181 | 88966.44 | 203688.82 | -10000 | 1494000 |
| Sludge in number of days taken to set first hearing after submitting case document submission | 233 | 42.65 | 266.69 | -30 | 3570 |
| Opportunity cost (Rs) of travelling per month due to hearings or office visits | 147 | 4656.65 | 16190.86 | -750 | 135000 |
| Sludge in total number of times hearings set for the case | 193 | 49.96 | 87 | -4 | 495 |
| Sludge in total number of times hearings were held on the date they were set | 197 | 7.28 | 23.04 | -5 | 203 |
| Sludge in total number of visits to court or offices due to this case | 201 | 64.44 | 120.81 | -2 | 898 |
| Sludge in total time (hours) spent travelling due to hearings over the entire case | 192 | 624.54 | 1661.04 | -6 | 11952 |
| Sludge in total time spent (hours) travelling due to hearings in a month | 192 | 23.34 | 79.48 | -10.14 | 816 |

| Total opportunity cost (Rs.) for the | 147 | 123562.55 | 325582.71 | -937.5 | 2988000 |
|--|-----|-----------|-----------|----------------------|---------|
| litigant due to hearings or office visits Yearly Sludge (Rs.) incurred due to | 196 | 71195.91 | 191745.44 | - | 1728000 |
| hearings Total Sludge (Rs.) incurred due to | 196 | 174829.7 | 399999.64 | 60833.33 -10937.5 | 3984000 |
| hearings | | | | | |

| Table 5A: Revenue Officers: Sludge in Visits - Punjab | |
|---|--|
|---|--|

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|-------|-----------|-----|-----|
| Number of Revenue Officers met in the past | 262 | 1.74 | 1.37 | 0 | 6 |
| year | | | | | |
| Visits to Patwari in the past year | 109 | 6.68 | 11.81 | -1 | 99 |
| Visits to Girdawar Qanungo in the past year | 60 | 5.78 | 13.26 | -1 | 99 |
| Visits to Naib Tehsildar in the past year | 36 | 10.06 | 16.32 | -1 | 99 |
| Visits to Tehsildar in the past year | 64 | 7.61 | 12.55 | -1 | 99 |
| Visits to AC in the past year | 17 | 12.18 | 14.22 | 1 | 59 |
| Visits to DC/ADCR in the past year | 87 | 12.57 | 11.04 | -1 | 79 |
| Visits to Commissioner in the past year | 2 | 7 | 2.83 | 5 | 9 |
| Visits to BoR in the past year | 0 | | | | |
| Total visits to Revenue Officers in the past year | 201 | 16.02 | 35.14 | -4 | 412 |

Table 5B: Revenue Officers Sludge in Waiting Time - Punjab

| Variable | | | Std. | | |
|---|-----|------|------|------|-----|
| | Obs | Mean | Dev. | Min | Max |
| Wait time (hours) in office when visiting Patwari in the | 126 | 2.03 | 5.26 | -2 | 22 |
| past year | | | | | |
| Wait time (hours) in office when visiting Girdawar | 62 | .13 | 1.57 | -2 | 4 |
| Qanungo in the past year | | | | | |
| Wait time (hours) in office when visiting Naib Tehsildar in | 39 | 1.69 | 2.97 | - | 18 |
| the past year | | | | 1.25 | |
| Wait time (hours) in office when visiting Tehsildar in the | 65 | 1.49 | 2.98 | -2 | 22 |
| past year | | | | | |
| Wait time (hours) in office when visiting AC in the past | 22 | .73 | 2.11 | - | 6 |
| year | | | | 1.83 | |
| Wait time (hours) in office when visiting DC/ADCR | 105 | 1.85 | 2.49 | -2 | 18 |
| Wait time (hours) in office when visiting Commissioner in | 3 | 1.67 | 1.53 | 0 | 3 |
| the past year | | | | | |
| Wait time (hours) in office when visiting BoR in the past | 0 | | | | |
| year | | | | | |
| Total waiting time (hours) in the past year to meet | 218 | 2.86 | 5.26 | -6 | 22 |
| Revenue Officers | | | | | |

Table 5C: Revenue Officers: Travel Time - Punjab

| V | ariable | Std. | |
|---|---------|------|--|

| | Obs | Mean | Dev. | Min | Max |
|--|-----|------|-------|-----|-----|
| Travel time (hours) to visit Patwari in the past year (2 | 123 | 2.96 | 4.29 | 0 | 24 |
| way) | | | | | |
| Travel time (hours) to visit Girdawar Qanungo in the past | 62 | 1.64 | 1.33 | 0 | 8 |
| year (2 way) | | | | | |
| Travel time (hours) to visit Naib Tehsildar in the past year | 38 | 2.09 | 1.26 | .08 | 6 |
| (2 way) | | | | | |
| Travel time (hours) to visit Tehsildar in the past year (2 | 65 | 3.43 | 6.48 | 0 | 48 |
| way) | | | | | |
| Travel time (hours) to visit AC in the past year (2 way) | 22 | 5.54 | 10.15 | 0 | 40 |
| Travel time (hours) to visit DC/ADCR (2 way) | 100 | 3.73 | 5.96 | 0 | 45 |
| Travel time (hours) to visit Commissioner in the past year | 3 | 3.67 | .58 | 3 | 4 |
| (2 way) | | | | | |
| Travel time (hours) to visit BoR in the past year (2 way) | 0 | | | | |
| Total travelling time (hours) in the past year to meet | 207 | 6.16 | 7.53 | 0 | 48 |
| Revenue Officers (2 way) | | | | | |

Table 5D: Revenue Officers Sludge in Total Time - Wait Time & Travel Time - Punjab

| Variable | | Mean | Std. | | Max |
|---|-----|---------|---------|------|-------|
| | Obs | | Dev. | Min | |
| Total Sludge (hours) spent per visit to Patwari in the | 128 | 4.84 | 8.37 | -2 | 46 |
| past year | | | | | |
| Total Sludge (hours) spent per visit to Girdawar | 63 | 1.74 | 2.43 | -2 | 9 |
| Qanungo in the past year | | | | | |
| Total Sludge (hours) spent per visit to Naib Tehsildar | 41 | 3.54 | 3.23 | -1 | 18.08 |
| in the past year | | | | | |
| Total Sludge (hours) spent per visit to Tehsildar in | 69 | 4.63 | 6.89 | -2 | 48 |
| the past year | | | | | |
| Total Sludge (hours) spent per visit to AC in the past | 24 | 5.74 | 10.5 | - | 40 |
| year | | | | 1.83 | |
| Total Sludge (hours) spent per visit to DC/ADCR in | 108 | 5.25 | 6.33 | -2 | 46 |
| the past year | | | | | |
| Total Sludge (hours) spent per visit to Commissioner | 3 | 5.33 | 1.53 | 4 | 7 |
| in the past year | | | | | |
| Total Sludge (hours) spent per visit to BoR in the past | 0 | | | | |
| year | | | | | |
| Sludge in Total time (hours) spent visiting Revenue | 174 | 257.75 | 816.99 | -48 | 9476 |
| Officers in the past year | | | | | |
| Sludge in Total time (hours) spent visiting Revenue | 174 | 1616.72 | 5781.33 | - | 43152 |
| Officers over entire case | | | | 448 | |

Table 5E: Revenue Officers: Sludge in Monetary Cost - Punjab

| Variable | | Mean | Std. Dev. | Min | Max |
|--|-----|----------|-----------|-------|-----------|
| | Obs | | | | |
| Money spent in the past year on Patwari | 99 | 20123.61 | 47840.69 | -3750 | 362689.81 |
| Money spent in the past year on | 36 | 7007.81 | 18056.9 | -2500 | 71487.96 |

| Girdawar Qanungo | | | | | |
|---------------------------------------|-----|-----------|-----------|----------|-----------|
| Money spent in the past year on Naib | 22 | 21104.53 | 24363.08 | -1750 | 95733.95 |
| Tehsildar | | | | | |
| Money spent in the past year on | 33 | 12865.63 | 24516.29 | -2500 | 96983.95 |
| Tehsildar | | | | | |
| Money spent in the past year on AC | 20 | 21921.15 | 67563.95 | -3000 | 302324.84 |
| Money spent in the past year on | 80 | 69164.43 | 346042.55 | -2500 | 3029748.5 |
| DC/ADCR | | | | | |
| Money spent in the past year on | 2 | 620303.43 | 835440.93 | 29557.48 | 1211049.4 |
| Commissioner | | | | | |
| Money spent in the past year on BoR | 0 | | | • | |
| Total Sludge (Rs.) monetary cost from | 194 | 53327.68 | 264697.18 | -7000 | 3289817.5 |
| meeting Revenue Officers in the past | | | | | |
| year | | | | | |

Table 5F: Revenue Officers: Sludge in Opportunity Cost in Rupees - Punjab

| Variable | | Mean | Std. Dev. | Min | Max |
|--|-----|----------|-----------|---------|-----------|
| | Obs | | | | |
| Opportunity cost (Rs) for litigant when | 82 | 6456.08 | 19529.39 | -7000 | 166750 |
| meeting Patwari in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 53 | 3135.85 | 6867.1 | - | 35625 |
| meeting Girdawar Qanungo in the past | | | | 4848.96 | |
| year | | | | | |
| Opportunity cost (Rs) for litigant when | 31 | 9402.05 | 13260.73 | 312.5 | 55380.21 |
| meeting Naib Tehsildar in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 49 | 5646.83 | 6848.4 | - | 37125 |
| meeting Tehsildar in the past year | | | | 1731.77 | |
| Opportunity cost (Rs) for litigant when | 15 | 19507.78 | 40287.07 | -375 | 150000.02 |
| meeting AC in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 67 | 18529.28 | 30128.94 | -750 | 170625 |
| meeting DC/ADCR in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 2 | 3984.38 | 2320.19 | 2343.75 | 5625 |
| meeting Commissioner in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 0 | | | • | |
| meeting BOR in the past year | | | | | |
| Total Opportunity cost (Rs) when meeting | 130 | 21583.11 | 34447.33 | -4050 | 170625 |
| Revenue Officers in the past year | | | | | |

Table 5G: Revenue Officers: Sludge in terms of Total Rupees Spent - Punjab

| Variable | | | Std. | Min | Max |
|---|-----|------|------|------|------|
| | Obs | Mean | Dev. | | |
| Total Opportunity cost (Lakhs) from meetings with | 82 | .22 | .93 | - | 7.77 |
| Patwari over entire case | | | | 1.26 | |
| Total Opportunity cost (Lakhs) from meetings with | 53 | .21 | 1.18 | 87 | 8.55 |
| Girdawar Qanungo over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with | 31 | .68 | 2.06 | 0 | 9.97 |
| Naib Tehsildar over entire case | | | | | |

| 49 | .31 | .71 | 31 | 3.38 |
|-----|---|---|---|---|
| 15 | .53 | .99 | 02 | 3 |
| 67 | 2.36 | 9.26 | 04 | 71.66 |
| 2 | .92 | 1.24 | .05 | 1.8 |
| 0 | | | | |
| 130 | 1.8 | 7.18 | 12 | 71.66 |
| 194 | 4 74 | 36.28 | - 79 | 408.64 |
| | | | | |
| 227 | .58 | 2.56 | 07 | 34.06 |
| 227 | 5.08 | 34.61 | 5 | 413.14 |
| | 15 67 2 0 130 194 227 | 15 .53 67 2.36 2 .92 0 . 130 1.8 194 4.74 227 .58 | 15.53.99672.369.262.921.2401301.87.181944.7436.28227.582.56 | 15.53.99.02672.369.26042.921.24.0501301.87.18121944.7436.2879227.582.5607 |

Table 5H: Revenue Officers Sludge in Total Time - Punjab

| Variable | | Mean | Std. | | Max |
|---|-----|--------|--------|------|-------|
| | Obs | | Dev. | Min | |
| Total Sludge time (days) spent on Patwari in the past | 104 | 1.68 | 5.79 | - | 55.58 |
| year | | | | 1.33 | |
| Total Sludge time (days) spent on Girdawar Qanungo in | 60 | .65 | 1.75 | 92 | 12.38 |
| the past year | | | | | |
| Total Sludge time (days) spent on Naib Tehsildar in the | 36 | 2.04 | 3.87 | 0 | 20.63 |
| past year | | | | | |
| Total Sludge time (days) spent on Tehsildar in the past | 63 | 1.37 | 2.46 | 33 | 16.5 |
| year | | | | | |
| Total Sludge time (days) spent on AC in the past year | 17 | 3.08 | 4.88 | 06 | 16.67 |
| Total Sludge time (days) spent on DC/ADCR in the past | 86 | 4 | 8.59 | 13 | 67.08 |
| year | | | | | |
| Total Sludge time (days) spent on Commissioner in the | 2 | 1.27 | .32 | 1.04 | 1.5 |
| past year | | | | | |
| Total Sludge time (days) spent on BoR in the past year | 0 | | | | |
| Sludge in Total time (hours) spent visiting Revenue | 174 | 257.75 | 816.99 | -48 | 9476 |
| Officers in the past year | | | | | |

Table 6: Sludge in Expenses - Punjab

| Variable | | Mean | Std. Dev. | Min | Max |
|------------------------------|-----|-----------|-----------|---------|-----------|
| | Obs | | | | |
| Total Expense (Rs.) on Stamp | 40 | 157714.18 | 355494.38 | 1453.23 | 1672135.5 |
| Duty/Government Fee | | | | | |

| 23 | 58890.47 | 61158.62 | 3000 | 186782.8 |
|-----|--------------------------------------|---|---|--|
| 192 | 12461.03 | 25247.61 | 0 | 165922.45 |
| 192 | 3.57 | 19.22 | 0 | 254.59 |
| 63 | 1.26 | 2.93 | 0 | 16.72 |
| | | | | |
| 63 | .49 | 2.05 | 0 | 16.16 |
| | | | | |
| 202 | 3.48 | 18.76 | 0 | 254.59 |
| | | | | |
| 202 | 1.44 | 2.97 | 0 | 19.91 |
| | | | | |
| | 192 192 63 63 202 202 | 19212461.031923.57631.2663.492023.482021.44 | 19212461.0325247.611923.5719.22631.262.9363.492.052023.4818.762021.442.97 | 192 12461.03 25247.61 0 192 3.57 19.22 0 63 1.26 2.93 0 63 .49 2.05 0 202 3.48 18.76 0 202 1.44 2.97 0 |

| Table 7: Sludge in Document Collection from Patwari | - Punja | ıb |
|---|---------|----|
|---|---------|----|

| Table 7: Sludge in Document Collection from Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|-----|----------|-----------|---------|-----------|
| Money (Rs.) spent on Patwari in the past | 99 | 20123.61 | 47840.69 | -3750 | 362689.81 |
| year | | | | | |
| Sludge in visits to Patwari for document | 81 | 6.68 | 10.75 | -1 | 86 |
| collection in the past year | | | | | |
| Travel Time (hours) per visit to meet | 93 | 3.49 | 6 | 0 | 48 |
| Patwari for documents (2 way) | | | | | |
| Sludge in Wait Time (hours) per visit for | 91 | 2.08 | 4.74 | -2 | 22 |
| document collecting purposes from Patwari | | | | | |
| Sludge in Opportunity Cost due to | 68 | 8987.15 | 28600.21 | - | 172000 |
| document collection from Patwari in the | | | | 29687.5 | |
| past year | | | | | |
| Sludge in total visits to Patwari for | 73 | 14.89 | 17.04 | 0 | 89 |
| document collection over entire case | | | | | |
| Sludge in Collection Time (hours) to get | 57 | 430.21 | 2688.58 | -359 | 17784 |
| documents from Patwari after application | | | | | |
| submission | | | | | |
| Sludge in Total travel & wait time (hours) | 68 | 76.19 | 113.96 | -4 | 534 |
| spent on document collection from Patwari | | | | | |
| Sludge in Total time spent (days) on | 76 | 16.28 | 96.75 | -14.92 | 741 |
| document collection from Patwari over | | | | | |
| entire case | | | | | |
| Sludge in Total Opportunity Cost due to | 61 | 18121.82 | 34146.28 | -875 | 184375 |
| document collection from Patwari over | | | | | |
| entire case | | | | | |

Table 8: Summary Statistics: Document Collection from Arazi Record Center - Punjab

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|---------|-----------|-----|--------|
| Fees paid to get documents from Arazi Record | 81 | 5463.02 | 22845.5 | 0 | 200000 |
| Center | | | | | |
| Average travel cost per visit to Arazi Record | 103 | 3559.76 | 5247.44 | 0 | 25000 |

| 96 | 6.36 | 14.54 | -1 | 129 |
|---|--|--|---|--|
| | | | | |
| 120 | 27.52 | 190.85 | -1 | 1799 |
| | | | | |
| | 15.00 | 112.02 | 1100 | |
| 57 | 17.93 | 112.02 | -14.96 | 741 |
| 110 | 1 50 | 2 5 5 | 2 | 22 |
| | 1.58 | 3.55 | -2 | 22 |
| | F 10 | 11.0 | 0 | 72 |
| 112 | 5.18 | 11.9 | 0 | 12 |
| 76 | 7803.87 | 22200 16 | _ | 170625 |
| 70 | /005.0/ | 23299.10 | 1406 25 | 170025 |
| | | | 1100.25 | |
| 90 | 15.12 | 26.52 | 0 | 149 |
| ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 10112 | 20102 | Ŭ | 117 |
| 85 | 80.86 | 147.48 | -6 | 695 |
| | | | | |
| | | | | |
| 121 | 29.66 | 189.84 | -1 | 1799 |
| | | | | |
| 72 | 14191.39 | 30668.66 | -1687.5 | 170625 |
| | | | | |
| | | | | |
| | 120 57 116 112 76 90 85 121 72 | 120 27.52 57 17.93 116 1.58 112 5.18 76 7803.87 90 15.12 85 80.86 121 29.66 72 14191.39 | 120 27.52 190.85 57 17.93 112.02 116 1.58 3.55 112 5.18 11.9 76 7803.87 23299.16 90 15.12 26.52 85 80.86 147.48 121 29.66 189.84 72 14191.39 30668.66 | 120 27.52 190.85 -1 57 17.93 112.02 -14.96 116 1.58 3.55 -2 112 5.18 11.9 0 76 7803.87 23299.16 1406.25 90 15.12 26.52 0 85 80.86 147.48 -6 121 29.66 189.84 -1 72 14191.39 30668.66 -1687.5 |

Table 9: Total Sludge in Time Taken - Punjab

| Variable | | Mean | Std. | Min | Max |
|---|-----|--------|--------|-------|-------|
| | Obs | | Dev. | | |
| Sludge in time taken (months) to gather information | 244 | 2.14 | 3.23 | 23 | 14.77 |
| before filing case | | | | | |
| Total Sludge (months) when gathering documents | 233 | 7.01 | 47.51 | -1.86 | 539 |
| Sludge in number of days taken to set first hearing after | 233 | 42.65 | 266.69 | -30 | 3570 |
| submitting case documents | | | | | |
| Sludge in total time spent (hours) travelling due to | 192 | 23.34 | 79.48 | - | 816 |
| hearings in a month | | | | 10.14 | |
| Sludge in Total time (hours) spent visiting Revenue | 174 | 257.75 | 816.99 | -48 | 9476 |
| Officers in the past year | | | | | |
| Sludge in Total time spent (days) on document | 76 | 16.28 | 96.75 | - | 741 |
| collection from Patwari over entire case | | | | 14.92 | |
| Sludge in Total time (days) on Arazi Record Center for | 121 | 29.66 | 189.84 | -1 | 1799 |
| document collection | | | | | |

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|----------|-----------|----------|-----------|
| Opportunity Cost (Rs.) of gathering | 166 | 81099.26 | 148789.12 | -112500 | 1130000 |
| information | | | | | |
| Total Sludge (Rs.) from document | 229 | 44581.32 | 166232.16 | -1000 | 1860625.1 |
| collection | | | | | |
| Yearly Sludge (Rs.) incurred due to | 196 | 71195.91 | 191745.44 | - | 1728000 |
| hearings | | | | 60833.33 | |
| Yearly Total Sludge (Lakhs) from | 227 | .58 | 2.56 | 07 | 34.06 |
| meeting Revenue Officers | | | | | |
| Yearly Sludge (Lakhs) from expenses: | 202 | 1.44 | 2.97 | 0 | 19.91 |
| Lawyer Fees, Revenue Court Staff & Food | | | | | |
| Sludge in Total Opportunity Cost due to | 61 | 18121.82 | 34146.28 | -875 | 184375 |
| document collection from Patwari over | | | | | |
| entire case | | | | | |
| Sludge in Total Opportunity Cost (Rs.) | 72 | 14191.39 | 30668.66 | -1687.5 | 170625 |
| from document collection from Arazi | | | | | |
| Record Center over entire case | | | | | |

Table 10: Total Sludge in Rupees - Punjab

Table 11: Summary Statistics: Stress - Punjab

| Variable | Obs | Mean | Std. | Min | Max |
|---|-----------|-------------|------------|-----------|-----|
| | | | Dev. | | |
| Was it easy to get your documents? | 242 | 3.61 | 1.12 | 1 | 5 |
| How satisfied are you with your documents? | 255 | 2.09 | .65 | 1 | 5 |
| Are you stressed due to your hearings or due to your | 240 | 4.15 | .78 | 1 | 5 |
| hearings being adjourned? | | | | | |
| How stressed are you due to this case? | 279 | 4.09 | .9 | 1 | 5 |
| Documents/paperwork required in case: are they | 249 | 2.46 | 1.54 | 1 | 5 |
| reasonable or just a waste of time & money? | | | | | |
| How stressful was it to visit or go to the Arazi Record | 123 | 2.86 | 1.33 | 1 | 5 |
| Center? | | | | | |
| How stressful was it to meet Patwari | 135 | 3.54 | 1.08 | 1 | 5 |
| How stressful was it to meet Girdawar Qanungo | 63 | 3.79 | .92 | 2 | 5 |
| How stressful was it to meet Naib Tehsildar | 41 | 3.93 | .88 | 1 | 5 |
| How stressful was it to meet Tehsildar | 70 | 3.29 | 1.18 | 1 | 5 |
| How stressful was it to meet AC | 24 | 2.58 | 1.02 | 1 | 4 |
| How stressful was it to meet DC/ADCR | 111 | 3.31 | 1.35 | 1 | 5 |
| How stressful was it to meet Commissioner | 3 | 4.33 | .58 | 4 | 5 |
| How stressful was it to meet BoR | 0 | | | | |
| Note: The higher the values the more stressed/dissatisfie | ed a pers | on. The Lil | kert scale | e for the | ! |

Note: The higher the values the more stressed/dissatisfied a person. The Likert scale for the stress questions is as follows: 1 "No stress" 2 "A little stress" 3 "Neither stressful nor unstressful" 4 "High Stress" 5 "Extreme Stress"

Table 12: Ideal Outcomes

| | Value |
|---|-------|
| Step 1: Gathering Information | |
| Ideal Time (hours) to gather information before filing case | 168 |
| Step 2: Document Collection | |
| Ideal Time (hours) spent to get Domicile, CNIC & FIR each | 168 |
| Ideal Time (hours) spent to get Fard Malkiat, Jamabandi, Khasra Girdawri & Shajra Nasb each | 360 |
| Ideal waiting time (hours) per visit in office for documents | 2 |
| Ideal money (Rs.) spent on Domicile, CNIC, Fard Malkiat, Jamabandi, Khasra Girdawri each | 500 |
| Ideal money (Rs.) spent on FIR | 0 |
| Ideal number of visits to offices for each document | 1 |
| Step 3: Hearings | |
| Ideal Time (days) after which first hearing should be held | 30 |
| Ideal number of times hearing set | 5 |
| Ideal number of times hearings heard | 5 |
| Ideal number of visits to court by the litigant in the past year | 2 |
| Ideal total visits to court by the litigant over entire case | 2 |
| Step 4: Expenses | |
| Ideal money (Rs.) spent on lawyer fees, travel, or revenue court staff/clerks etc. | 0 |
| Step 5A: Arazi Record Center: Document Collection | |
| Ideal Time (hours) taken to get documents from Arazi Record Center after application submission | 24 |

| Ideal Time (hours) taken to get documents before Arazi Record Center existed Ideal fees (Rs.) paid to Arazi Record Center clerks/staff | 360 0 |
|---|-----------------|
| Ideal number of visits to Arazi Record Center for document collection in the past year | 1 |
| Ideal total visits to Arazi Record Center for document collection | 1 |
| Ideal wait time (hours) per visit in Arazi Record Center for document collection | 2 |
| Step 5B: Patwari: Document Collection | |
| Ideal number of visits to Patwari for document collection | 1 |
| Ideal total visits to Patwari for document collection | 1 |
| Ideal wait time (hours) per visit to Patwari for document collection | 2 |
| Step 6: Revenue Officers Meetings | |
| Ideal number of visits to Revenue Officers in the past year | 1 |
| Ideal total visits to Revenue Officers over entire case | 1 |
| Ideal money (Rs.) spent on meetings with Revenue Officers | 1 day income |
| Ideal wait time (hours) spent waiting for Revenue Officers in their office | 2 |

Table 13: Sludge as a percentage of income - Punjab

| Table 13: Sludge as a percentage of income - Punjab | | | | | | | | | |
|---|-----|-----------|-----------|---------------|-----------|--|--|--|--|
| Variable | Obs | Mean | Std. Dev. | Min | Max | | | | |
| Opportunity Cost (Rs.) of gathering information | 166 | 81099.26 | 148789.12 | -112500 | 1130000 | | | | |
| Total Sludge (Rs.) from document collection | 229 | 44581.32 | 166232.16 | -1000 | 1860625.1 | | | | |
| Yearly Sludge (Rs.) incurred due to hearings | 196 | 71195.91 | 191745.44 | - 60833.33 | 1728000 | | | | |
| Yearly Sludge (Rs) from expenses: Lawyer Fees, Revenue Court Staff & Food | 202 | 143901.28 | 296516.27 | 0 | 1991069.4 | | | | |
| Yearly Sludge (Rs.) from meeting | 227 | 57935.56 | 255553.09 | -6750 | 3405755.3 | | | | |

| Revenue Officers | | | | | |
|---|-----|-----------|-----------|----------|----------------|
| Total Yearly Sludge (Rs) from all steps | 279 | 250486.96 | 422667.16 | - | 3412748.3 |
| Yearly Sludge (Rs.) - excluding one- | 283 | 198494.1 | 383729.61 | 60833.33 | 3405755.3 |
| time costs | | | | 60833.33 | |
| Total Sludge (Rs.) from all steps over entire case so far | 279 | 872487.47 | 3804809.3 | -16750 | 41717832 |
| Total Yearly Income (Rs.) | 191 | 427413.81 | 370557.7 | 0 | 3600000 |
| Share (%) of income: Opportunity Cost | 165 | .19 | .29 | 02 | 1.23 |
| (Rs.) of gathering information | | | | | |
| Share (%) of income: Total Sludge (Rs.) | 160 | .11 | .35 | 0 | 3.1 |
| from document collection | | | | | |
| Share (%) of income: Yearly Sludge | 147 | .21 | .45 | 14 | 2.88 |
| (Rs.) incurred due to hearings | | | | | |
| Share (%) of income: Yearly Sludge | 128 | .44 | 1.27 | 0 | 10.56 |
| (Rs) from expenses: Lawyer Fees, | | | | | |
| Revenue Court Staff & Food | | | | | |
| Share (%) of income: Yearly Sludge | 164 | .24 | 1.21 | 02 | 14.19 |
| (Rs.) from meeting Revenue Officers | | | | | |
| Total Sludge (%) of income - including | 189 | .84 | 1.73 | 06 | 14.22 |
| one-time costs | | | | | |
| Yearly Sludge (%) of income - excluding | 189 | .67 | 1.63 | 0 | 14.19 |
| one-time costs | | | | | |
| Monthly Income in Rupees | 192 | 38036.47 | 45516.5 | 0 | <u>50</u> 0000 |

Table 14: Opportunity Cost of Disputed Territory - Punjab

| Table 14: Opportunity Cost of Disputed Territory - Punjab | | | | | | | | | |
|---|-----|----------|-----------|-------|-----------|--|--|--|--|
| Variable | Obs | Mean | Std. Dev. | Min | Max | | | | |
| Total Sugarcane Production in maunds lost in | 40 | 22092.82 | 47145.51 | 28.64 | 206782.84 | | | | |
| Kasur due to case | | | | | | | | | |
| Total Sugarcane Production in maunds lost in | 55 | 22127.46 | 33338.36 | 262.5 | 157101.23 | | | | |
| Toba Tek Singh due to case | | | | | | | | | |
| Total Sugarcane Production in maunds lost in | 95 | 22112.87 | 39505.37 | 28.64 | 206782.84 | | | | |
| Kasur & Toba Tek Singh due to case | | | | | | | | | |
| Total Sugarcane Output (Lakhs) lost in Kasur | 40 | 77.68 | 170.45 | .1 | 772.05 | | | | |
| due to case | | | | | | | | | |
| Total Sugarcane Output (Lakhs) lost in Toba | 55 | 75.92 | 114.88 | .95 | 550.24 | | | | |
| Tek Singh due to case | | | | | | | | | |
| Total Sugarcane Production (Lakhs) lost in | 95 | 76.66 | 140.13 | .1 | 772.05 | | | | |
| Kasur & Toba Tek Singh due to case | | | | | | | | | |
| Total Sugarcane Production Cost (Lakhs) in | 40 | 56.79 | 127.91 | .07 | 570.01 | | | | |
| Kasur (2001 onwards) | | | | | | | | | |
| Total Sugarcane Production Cost (Lakhs) in | 55 | 56.46 | 88.94 | .61 | 436.34 | | | | |
| Toba Tek Singh (2001 onwards) | | | | | | | | | |
| Total Sugarcane Production Cost (Lakhs) in | 95 | 56.6 | 106.45 | .07 | 570.01 | | | | |
| Kasur & Toba Tek Singh (2001 onwards) | | | | | | | | | |
| Total Profit (Lakhs) from Sugarcane in Kasur | 40 | 20.89 | 43.32 | .04 | 202.04 | | | | |
| (2001 onwards) | | | | | | | | | |
| Total Profit (Lakhs) from Sugarcane in Toba | 55 | 19.46 | 26.35 | .34 | 113.91 | | | | |
| Tek Singh (2001 onwards) | | | | | | | | | |
| | | | | | | | | | |

| Total Profit (Lakhs) from Sugarcane in Kasur & Toba Tek Singh (2001 onwards) | 95 | 20.06 | 34.32 | .04 | 202.04 |
|---|----|---------|---------|--------|----------|
| Yearly Total Sugarcane Production in maunds | 40 | 3596.05 | 5302.76 | 28.64 | 18418.79 |
| lost in Kasur due to case | | | | | |
| Yearly Total Sugarcane Production in maunds | 55 | 5507.89 | 6060.99 | 158.25 | 26066.36 |
| lost in Toba Tek Singh due to case | | | | | |
| Yearly Total Sugarcane Production in maunds | 95 | 4702.91 | 5802.62 | 28.64 | 26066.36 |
| lost in Kasur & Toba Tek Singh due to case | | | | | |
| Yearly Total Sugarcane Output (Lakhs) lost in | 40 | 12.61 | 18.61 | .1 | 64.34 |
| Kasur due to case | | | | | |
| Yearly Total Sugarcane Output (Lakhs) lost in | 55 | 18.89 | 20.48 | .53 | 87.34 |
| Toba Tek Singh due to case | | | | | |
| Yearly Total Sugarcane Production (Lakhs) | 95 | 16.24 | 19.86 | .1 | 87.34 |
| lost in Kasur & Toba Tek Singh due to case | | | | | |
| Yearly Total Profit (Lakhs) from Sugarcane in | 40 | 3.62 | 5.19 | .04 | 18.75 |
| Kasur (2001 onwards) | | | | | |
| Yearly Total Profit (Lakhs) from Sugarcane in | 55 | 5.31 | 5.58 | .14 | 23.12 |
| Toba Tek Singh (2001 onwards) | | | | | |
| Yearly Total Profit (Lakhs) from Sugarcane in | 95 | 4.6 | 5.46 | .04 | 23.12 |
| Kasur & Toba Tek Singh (2001 onwards) | | | | | |
| | | | | | |

Table 15: Sludge as a Percentage of GDP - Punjab Stal

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|-----|-----------|--------------|-----------|-----------|
| Average Cost of Sludge Per Litigant in a Year (all steps) | 36 | 710099.69 | 0 | 710099.69 | 710099.69 |
| Average Cost of Sludge Per Litigant in a Year (excluding one-time costs) | 36 | 658106.81 | 0 | 658106.81 | 658106.81 |
| Total Cases in Punjab that are more than 12 months old (1 Jan 2022 - 31 Dec2022) | 36 | 65396 | 0 | 65396 | 65396 |
| Cost of Sludge in million rupees in Punjab (all steps) | 36 | 46437.68 | 0 | 46437.68 | 46437.68 |
| Cost of Sludge in million rupees in Punjab (excluding one-time costs) | 36 | 43037.551 | 0 | 43037.551 | 43037.551 |
| Sludge as a percentage of GDP per year in Punjab (all steps) | 36 | .092 | 0 | .092 | .092 |
| Sludge as a percentage of GDP per year in | 36 | .085 | 0 | .085 | .085 |
| Punjab (excluding one-time costs) Sludge as a percentage of Pakistan's Agricultural GDP per year for Punjab (all | 36 | .402 | 0 | .402 | .402 |
| steps) Sludge as a percentage of Pakistan's Agricultural GDP per year for Punjab (excluding one-time costs) | 36 | .372 | 0 | .372 | .372 |
| Sludge as a percentage of Crop GDP per year for Punjab (all steps) | 36 | 1.192 | 0 | 1.192 | 1.192 |
| Sludge as a percentage of Crop GDP per year for Punjab (excluding one-time costs) | 36 | 1.105 | 0 | 1.105 | 1.105 |
| Value of disputed territory in Punjab as a | 36 | 1.946 | 0 | 1.946 | 1.946 |

| percentage of GDP per year Value of disputed territory in Punjab as a percentage of Real Estate Activities GDP | 36 | 33.851 | 0 | 33.851 | 33.851 |
|--|----|--------|---|--------|--------|
| per year Value of disputed territory in Punjab as a | 36 | 3.591 | 0 | 3.591 | 3.591 |
| percentage of Punjab GDP per year | 50 | 5.571 | 0 | 5.571 | 5.571 |
| Sludge as a percentage of Punjab's | 36 | .741 | 0 | .741 | |
| Agricultural GDP per year (all step) | 00 | | Ũ | | .741 |
| Sludge as a percentage of Punjab's | 36 | .687 | 0 | .687 | |
| Agricultural GDP per year (excluding one- | | | | | .687 |
| time costs) | | | | | |

Table 16: List of Districts of Punjab used for GDP as a Percentage of Sludge Calculation

| 1. | Bahawalnagar | 10. Bahawalpur | 19. Mandi | 28. Khanewal |
|----|----------------|------------------|-----------------|----------------|
| 2. | Dera Ghazi | 11. Rahim Yar | Bahauddin | 29. Chakwal |
| | Khan | Khan | 20. Gujrat | 30. Attock |
| 3. | Toba Tek Singh | 12. Rajanpur | 21. Sialkot | 31. Rawalpindi |
| 4. | Gujranwala | 13. Layyah | 22. Narowal | 32. Okara |
| 5. | Nankana Sahib | 14. Muzaffargarh | 23. Kasur | 33. Pakpattan |
| 6. | Multan | 15. Chiniot | 24. Lahore | 34. Bhakkar |
| 7. | Jehlum | 16. Jhang | 25. Sheikhupura | 35. Khushab |
| 8. | Sahiwal | 17. Faisalabad | 26. Vehari | 36. Mianwali |
| 9. | Sargodha | 18. Hafizabad | 27. Lodhran | |
| | | | | |

KPK TABLES

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|-----------------------------------|-----|-------|-----------|-----|-----|
| Total Visits to office for | 9 | 2.11 | 1.27 | 1 | 4 |
| Jamabandi | | | | | |
| Total Visits to office for Fard | 22 | 15.86 | 43.91 | 1 | 200 |
| Malkiat | | | | | |
| Total Visits to office for | 11 | 18.64 | 51.92 | 1 | 175 |
| Khasra Girdawari | | | | | |
| Total Visits to office for Shajra | 2 | 3 | 1.41 | 2 | 4 |
| Nasb | | | | | |
| Total Visits to offices get all | 23 | 25.17 | 77.67 | 2 | 375 |
| documents | | | | | |

Table 17A: Document Collection Summary Statistics: Visits - KPK

Table 17B: Document Collection Summary Statistics: Agency Time - KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|------|-----------|-----|-----|
| Time Taken in months to collect Jamabandi (KPK) | 18 | 2.25 | 5.59 | .03 | 24 |
| Time Taken in months to collect Fard Malkiat (KPK) | 33 | 1.53 | 4.26 | 0 | 24 |
| Time Taken in months to collect Khasra Girdawari | 17 | .93 | 1.44 | .03 | 5 |
| (КРК) | | | | | |
| Time Taken in months to collect Shajra Nasb (KPK) | 7 | .36 | .45 | 0 | 1 |
| Total Time Taken in months to collect all documents | 33 | 3.31 | 8.6 | 0 | 48 |

Table 17C: Document Collection Summary Statistics: Wait Time - KPK

| | | - | | | |
|--|-----|------|-----------|-----|-----|
| Variable | Obs | Mean | Std. Dev. | Min | Max |
| Waiting Time (hours) in office for Jamabandi (KPK) | 15 | 2.4 | 1.76 | 1 | 6 |
| Waiting Time (hours) in office for Fard Malkiat | 27 | 2.5 | 1.74 | .08 | 6 |
| (KPK) | | | | | |
| Waiting Time (hours) in office for Khasra Girdawari | 15 | 2.52 | 2.01 | .67 | 6 |
| (KPK) | | | | | |
| Waiting Time (hours) in office for Shajra Nasb (KPK) | 5 | 3 | 2 | 1 | 6 |
| Total Waiting Time (hours) in office for all | 28 | 5.59 | 5.17 | .08 | 24 |
| documents | | | | | |

Table 17D: Document Collection Summary Statistics: Travel Time - KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|------|-----------|-----|-----|
| Time taken (hours) to travel to office for Jamabandi | 15 | 1.97 | 1.32 | 0 | 6 |
| Time taken (hours) to travel to office for Fard Malkiat | 27 | 4.94 | 11.85 | .67 | 60 |
| Time taken (hours) to travel to office for Khasra | 14 | 2.03 | 1.35 | .83 | 6 |
| Girdawari | | | | | |
| Time Taken (hours) for office visit for Shajra Nasb | 4 | 2.75 | 2.22 | 1 | 6 |
| (КРК) | | | | | |
| Total Travel Time (hours) to visit office for documents | 29 | 6.97 | 11.66 | 0 | 60 |
| (2 way) | | | | | |

| Variable | | | Std. | | |
|--|-----|------|------|-----|------|
| | Obs | Mean | Dev. | Min | Max |
| Total Time (months) spent by litigant on gathering | 33 | 3.61 | 8.71 | 0 | 48 |
| documents | | | | | |
| Total Time (months) for Jamabandi (agency time + wait | 18 | 2.25 | 5.59 | .04 | 24 |
| time + travel time) | | | | | |
| Total Time (months) for Fard Malkiat (agency time + wait | 33 | 1.78 | 4.44 | 0 | 24 |
| time + travel time) | | | | | |
| Total Time (months) for Khasra Girdawari (agency time + | 17 | 1.02 | 1.67 | .03 | 6.26 |
| wait time + travel time) | | | | | |
| Total Time (months) for Shajra Nasb (agency time + wait | 7 | .37 | .45 | 0 | 1 |
| time + travel time) | | | | | |

Table 17E: Document Collection Summary Statistics: Total Time: Wait Time + Travel Time + Agency Time - KPK

Table 18A : Document Collection Sludge in terms of time - KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|-----|------|-----------|-------|------|
| Total Sludge (months) for Fard Malkiat | 33 | 1.28 | 4.44 | 5 | 23.5 |
| Total Sludge (months) for Jamabandi | 18 | 1.75 | 5.59 | 46 | 23.5 |
| Total Sludge (months) for Khasra Girdawari | 17 | .52 | 1.67 | 47 | 5.76 |
| Total Sludge (months) for Shajra Nasb | 7 | 13 | .45 | 5 | .5 |
| Total Sludge (months) when gathering | 33 | 2.48 | 8.72 | -1.81 | 47 |
| documents | | | | | |

Table 18B: Document Collection Sludge in terms of Rupees

| Variable | | Mean | Std. Dev. | Min | Max |
|---|-----|-----------|-----------|--------|-----------|
| | Obs | | | | |
| Total Opportunity (Rs.) cost borne by | 6 | 6473.96 | 14458.81 | 0 | 35937.5 |
| litigant for Jamabandi | | | | | |
| Total Opportunity (Rs.) cost borne by | 16 | 39421.22 | 141518.9 | 0 | 569125 |
| litigant for Fard Malkiat | | | | | |
| Total Opportunity (Rs.) cost borne by | 8 | 5989.06 | 12511.35 | 0 | 35937.5 |
| litigant for Khasra Girdawari | | | | | |
| Total Opportunity (Rs.) cost borne by | 1 | 450 | | 450 | 450 |
| litigant for Shajra Nasb | | | | | |
| Total Money (Rs.) Spent on Jamabandi | 8 | 184677.28 | 421987.09 | 373.11 | 1225415.5 |
| Total Money (Rs.) Spent on Fard Malkiat | 24 | 25007.77 | 40795.02 | -500 | 141529.52 |
| Total Money (Rs.) Spent on Khasra | 10 | 30419.26 | 34243.75 | 373.11 | 85543.2 |
| Girdawri | | | | | |
| Total Money (Rs.) Spent on Shajra Nasb | 5 | 35954.86 | 40669.8 | -500 | 85543.2 |
| (КРК) | | | | | |
| Total Opportunity Cost (Rs.) for litigant | 17 | 42232.11 | 138182.9 | 0 | 569125 |
| due to document collection | | | | | |
| Total Monetary Cost (Rs.) spent on | 25 | 102462.86 | 251066.48 | -500 | 1225415.5 |
| documents | | | | | |
| Total Sludge (Rs.) from document | 29 | 113086.8 | 260651.73 | - | 1225415.5 |
| collection | | | | 253.78 | |

| Table | 19: | Sludge | in | Hearings | - КРК |
|-------|-------------|--------|-----|-----------|--------|
| Table | T). | Junge | 111 | incarings | 171 17 |

| Variable | | Mean | Std. Dev. | Min | Max |
|---|-----|-----------|-----------|--------|-----------|
| | Obs | | | | |
| Travel time (hours) to court per visit (2 | 30 | 12.02 | 12.13 | .25 | 36 |
| way) | | | | | |
| Average Travel Cost (Rs.) per visit to | 34 | 1989.71 | 3480.11 | 0 | 20000 |
| court or office | | | | | |
| Sludge in total cost (Rs.) of travelling to | 17 | 191664.71 | 400043.52 | 0 | 1490000 |
| court/offices | | | | | |
| Sludge (days) taken to set first hearing | 26 | 100.85 | 249.74 | -24 | 1050 |
| after submitting case documents | | | | | |
| Opportunity cost (Rs) of travelling per | 11 | 1526.43 | 2611.76 | 35.72 | 9114.58 |
| month due to hearings or office visits | | | | | |
| Sludge in total number of times hearings | 18 | 49.5 | 109.77 | -3 | 475 |
| set for the case | | | | | |
| Sludge in total number of times hearings | 18 | 5.61 | 23.09 | -5 | 95 |
| were held on the date they were set | | | | | |
| Sludge in total number of visits to court | 17 | 81.76 | 151.23 | 1 | 598 |
| or offices due to this case | | | | | |
| Sludge in total time (hours) spent | 15 | 171.37 | 368.76 | .83 | 1392 |
| travelling due to hearings over entire case | | | | | |
| Sludge in total time (hours) spent | 14 | 4.43 | 5.51 | .29 | 22 |
| travelling due to hearings in a month | | | | | |
| Total opportunity cost (Rs.) for the | 12 | 56656.25 | 129367.5 | 208.33 | 437500 |
| litigant due to hearings or office visits | | | | | |
| Yearly Sludge (Rs.) incurred due to | 16 | 67862.86 | 96567.33 | 428.69 | 384848.97 |
| hearings | | | | | |
| Total Sludge (Rs.) incurred due to | 17 | 231657.35 | 401674.82 | 875 | 1490000 |
| hearings | | | | | |

Table 20A: Revenue Officers: Sludge in Visits - KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|---|-----|-------|-----------|-----|-----|
| Number of Revenue Officers Met in the past year | 35 | 2.03 | 2.09 | 0 | 6 |
| (КРК) | | | | | |
| Visits to Patwari in the past year (KPK) | 20 | 15.9 | 23.3 | -1 | 99 |
| Visits to Girdawar Qanungo in the past year (KPK) | 14 | 6.43 | 11.81 | -1 | 34 |
| Visits to Naib Tehsildar in the past year (KPK) | 11 | 14.18 | 27.46 | -1 | 89 |
| Visits to Tehsildar in the past year (KPK) | 12 | 10 | 14.85 | -1 | 49 |
| Visits to AC in the past year (KPK) | 12 | 9.42 | 9.25 | -1 | 29 |
| Visits to DC/ADCR in the past year | 1 | 1 | | 1 | 1 |
| Visits to Commissioner in the past year (KPK) | 0 | | | | |
| Visits to BoR in the past year (KPK) | 1 | 2 | | 2 | 2 |
| Total visits to Revenue Officers in the past year | 23 | 34.78 | 49.75 | -5 | 221 |

Table 20B: Revenue Officers Sludge in Waiting Time - KPK

| Table 200. Revenue Onicers Studge in Watching Time - Ki K | |
|---|------|
| Variable | Std. |
| | |

| | Obs | Mean | Dev. | Min | Max |
|---|-----|------|-------|------|-----|
| Wait time (hours) in office when visiting Patwari in the past | 16 | 2.41 | 5.54 | - | 22 |
| year (KPK) | | | | 1.67 | |
| Wait time (hours) in office when visiting Girdawar Qanungo | 10 | 2.23 | 7.12 | - | 22 |
| in the past year (KPK | | | | 1.33 | |
| Wait time (hours) in office when visiting Naib Tehsildar in | 7 | 5.88 | 11.04 | -1.5 | 22 |
| the past year (KPK) | | | | | |
| Wait time (hours) in office when visiting Tehsildar in the | 9 | 63 | .85 | - | 1 |
| past year (KPK) | | | | 1.83 | |
| Wait time (hours) in office when visiting AC in the past year | 10 | 2.82 | 6.97 | - | 22 |
| (КРК) | | | | 1.67 | |
| Wait time (hours) in office when visiting DC/ADCR in the | 2 | 1 | 2.83 | -1 | 3 |
| past year | | | | | |
| Wait time (hours) in office when visiting Commissioner in | 0 | | | | |
| the past year (KPK) | | | | | |
| Wait time (hours) in office when visiting BoR in the past | 1 | 3 | | 3 | 3 |
| year (KPK) | | | | | |
| Total waiting time (hours) to meet Revenue Officers in the | 20 | 6.17 | 15.79 | - | 67 |
| _past year | | | | 6.67 | |

Table 20C: Revenue Officers: Travel Time - KPK

| Variable | | | Std. | | |
|---|-----|------|------|-----|------|
| | Obs | Mean | Dev. | Min | Max |
| Travel time (hours) spent per visit to meet Patwari in the | 17 | 4.66 | 7.76 | .13 | 25.5 |
| past year (2 way) (KP | | | | | |
| Travel time (hours) spent per visit to meet Girdawar | 11 | 3.58 | 7.3 | .75 | 25.5 |
| Qanungo in the past year (2 | | | | | |
| Travel time (hours) spent per visit to meet Naib Tehsildar in | 7 | 1.37 | .88 | .67 | 3.12 |
| the past year (2 w | | | | | |
| Travel time (hours) spent per visit to meet Tehsildar in the | 11 | 3.51 | 7.33 | .33 | 25.5 |
| past year (2 way) (| | | | | |
| Travel time (hours) spent per visit to meet AC in the past | 11 | 1.46 | .71 | .83 | 3.05 |
| year (2 way) (KPK) | | | | | |
| Travel time (hours) to visit DC/ADCR in the past year (2 | 2 | 1.5 | .71 | 1 | 2 |
| way) | | | | | |
| Travel time (hours) spent per visit to meet Commissioner in | 0 | | | | |
| the past year (2 way | | | | | |
| Travel time (hours) spent per visit to meet BoR in the past | 1 | 2 | | 2 | 2 |
| year (2 way) (KPK) | | | | | |
| Total travelling time (hours) in the past year to meet | 19 | 9.89 | 17.1 | .13 | 76.5 |
| Revenue Officers (2 way) | | | | | |

Table 20D: Revenue Officers Sludge in Total Time - Wait Time & Travel Time - KPK

| Variable | | Mean | Std. | Min | Max |
|--|-----|------|------|-------|------|
| | Obs | | Dev. | | |
| Total Sludge (hours) spent per visit to Patwari in | 17 | 6.92 | 9.5 | -1.53 | 28.5 |
| the past year | | | | | |

| Total Sludge (hours) spent per visit to Girdawar Qanungo in the past year | 11 | 5.62 | 9.43 | 58 | 25.5 |
|---|----|--------|---------|------------|---------|
| Total Sludge (hours) spent per visit to Naib | 8 | 6.35 | 10.05 | 67 | 23 |
| Tehsildar in the past year Total Sludge (hours) spent per visit to Tehsildar in | 11 | 2.99 | 7.26 | -1.5 | 24.5 |
| the past year Total Sludge (hours) spent per visit to AC in the past | 11 | 4.02 | 7.26 | 67 | 25.05 |
| year Total Sludge (hours) spent per visit to DC/ADCR in | 2 | 2.5 | 2.12 | 1 | 4 |
| the past year | - | 2.5 | 2.12 | 1 | т |
| Total Sludge (hours) spent per visit to Commissioner in the past year | 0 | | • | | |
| Total Sludge (hours) spent per visit to BoR in the past year | 1 | 5 | | 5 | 5 |
| Sludge in Total time (hours) spent visiting Revenue | 17 | 935.15 | 2024.2 | -150 | 8269.08 |
| Officers in the past year Sludge in Total time (hours) spent visiting Revenue Officers over entire case | 16 | 3347.8 | 7541.66 | - 15.33 | 29370 |
| | | | | 10.00 | |

Table 20E: Revenue Officers: Sludge in Monetary Cost - KPK

| Variable | | Mean | Std. Dev. | Min | Max |
|---|-----|----------|-----------|---------|-----------|
| | 0bs | | | | |
| Total Money (Rs.) spent on Patwari in the | 18 | 10882.75 | 15255.54 | - | 47741.98 |
| past year (KPK) | | | | 18938.5 | |
| Total Money (Rs.) spent on Girdawar | 9 | 6274.28 | 8721.51 | -1363.1 | 23120.99 |
| Qanungo in the past year (KPK) | | | | | |
| Total Money (Rs.) spent on Naib Tehsildar | 7 | 25886.57 | 43676.75 | -787.7 | 120229.94 |
| in the past year (KPK) | | | | | |
| Total Money (Rs.) spent on Tehsildar in the | 11 | 17164.95 | 35993.53 | -5000 | 120479.94 |
| past year (KPK) | | | | | |
| Total Money (Rs.) spent on AC in the past | 9 | 5399.57 | 8179.06 | -2000 | 22745.99 |
| year (KPK) | | | | | |
| Total Money (Rs.) spent in the past year on | 2 | 23795.99 | 33652.61 | 0 | 47591.98 |
| DC/ADCR | | | | | |
| Total Money (Rs.) spent on Commissioner | 1 | 0 | | 0 | 0 |
| in the past year (KPK) | | | | | |
| Total Money (Rs.) spent on BoR in the past | 1 | 0 | | 0 | 0 |
| year (KPK) | | | | | |
| Total Sludge (Rs.) monetary cost from | 21 | 34217.45 | 49212.17 | - | 179594.91 |
| meeting Revenue Officers in the past year | | | | 18938.5 | |

Table 20F: Revenue Officers: Sludge in Opportunity Cost in Rupees - KPK

| Variable | | Mean | Std. Dev. | Min | Max |
|---|-----|-----------|-----------|-------|-----------|
| | Obs | | | | |
| Opportunity cost (Rs) for litigant when | 11 | 242763.45 | 776249.35 | -3750 | 2582812.5 |
| meeting Patwari in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 7 | 11565.77 | 30086.81 | - | 79687.5 |

| meeting Girdawar Qanungo in the past | | | | 1822.92 | |
|---|----|-----------|-----------|---------|---------|
| year | | | | | |
| Opportunity cost (Rs) for litigant when | 4 | 60649.74 | 122739.76 | - | 244750 |
| meeting Naib Tehsildar in the past year | _ | | | 2083.33 | |
| Opportunity cost (Rs) for litigant when | 5 | -926.56 | 2037.19 | -4500 | 416.67 |
| meeting Tehsildar in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 8 | 4422.53 | 6488.2 | - | 18125 |
| meeting AC in the past year | | | | 1041.67 | |
| Opportunity cost (Rs) for litigant when | 1 | 218.75 | | 218.75 | 218.75 |
| meeting DC/ADCR in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 0 | | | | |
| meeting Commissioner in the past year | | | | | |
| Opportunity cost (Rs) for litigant when | 1 | 2187.5 | | 2187.5 | 2187.5 |
| meeting BoR in the past year | | | | | |
| Total Opportunity cost (Rs) when | 13 | 232854.69 | 733106.46 | - | 2662500 |
| meeting Revenue Officers in the past | 10 | | , | 9114.58 | 2002000 |
| year | | | | 2111.50 | |
| ycai | | | | | |

Table 20G: Revenue Officers: Sludge in terms of Total Rupees Spent - KPK

| Variable | | | Std. | | Max |
|---|-----|-------|-------|------|--------|
| | Obs | Mean | Dev. | Min | |
| Total Opportunity cost (Lakhs) from meetings with | 11 | 9.61 | 31.08 | 07 | 103.31 |
| Patwari over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with | 7 | .46 | 1.2 | 0 | 3.19 |
| Girdawar Qanungo over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with Naib | 4 | 9.18 | 18.36 | 0 | 36.71 |
| Tehsildar over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with | 5 | 02 | .04 | 09 | .01 |
| Tehsildar over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with AC | 8 | .08 | .13 | 0 | .36 |
| over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with | 1 | 0 | | 0 | 0 |
| DC/ADCR over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with | 0 | | | | |
| Commissioner over entire case | | | | | |
| Total Opportunity cost (Lakhs) from meetings with BoR | 1 | .01 | | .01 | .01 |
| over entire case | | | | | |
| Total Opportunity cost (Lakhs) when meeting Revenue | 13 | 11.25 | 30.34 | 07 | 106.5 |
| Officers over the entire case | | | | | |
| Total Sludge (Lakhs) in Monetary Cost from meeting | 21 | 2.54 | 7.92 | -3.5 | 32.33 |
| Revenue Officers over entire | | | | | |
| Yearly Total Sludge (Lakhs) from meeting Revenue Officers | | 1.7 | 5.59 | 1 | 26.44 |
| Total Sludge (Lakhs) from meeting Revenue Officers over | 22 | 9.07 | 25.3 | -3.5 | 105.74 |
| entire case | | | | | |

| Table 20H: Revenue Officers S | ludge in Total Time - KPK | | | | |
|-------------------------------|---------------------------|------|------|-----|-----|
| Variable | | Mean | Std. | | Max |
| | Obs | | Dev. | Min | |

| Total Sludge time (days) spent on Patwari in the past | 15 | 5.04 | 9.19 | 32 | 34.44 |
|--|----|--------|--------|----------|---------|
| year Total Sludge time (days) spent on Girdawar Qanungo | 11 | .55 | 1.35 | 4 | 4.39 |
| in the past year Total Sludge time (days) eport on Neih Teheilder in the | 0 | 10.85 | 28.64 | 20 | 81.58 |
| Total Sludge time (days) spent on Naib Tehsildar in the past year | 8 | 10.85 | 20.04 | 29 | 01.30 |
| Total Sludge time (days) spent on Tehsildar in the past | 10 | .51 | 2.08 | -1.5 | 6.26 |
| year Total Sludge time (days) spent on AC in the past year | 11 | .7 | .96 | 25 | 2.5 |
| Total Sludge time (days) spent on DC/ADCR in the past | 1 | .04 | | .04 | .04 |
| year Total Sludge time (days) spent on Commissioner in the past year | 0 | | | | |
| Total Sludge time (days) spent on BoR in the past year | 1 | .42 | | .42 | .42 |
| Sludge in Total time (hours) spent visiting Revenue Officers in the past year | 17 | 935.15 | 2024.2 | - 150 | 8269.08 |

Table 21: Sludge in Expenses - KPK

| Variable | | Mean | Std. Dev. | Min | Max |
|---------------------------------------|-----|-----------|-----------|---------|-----------|
| | Obs | | | | |
| Total Expense (Rs.) on Stamp | 9 | 120716.93 | 340096.55 | 0 | 1027402.3 |
| Duty/Government Fee | | | | | |
| Total Expense (Rs.) on Revenue Court | 3 | 42684 | 58390.71 | 5256.76 | 109965.88 |
| Staff/Clerks | | | | | |
| Monthly Lawyer Fee (Rs.) | 29 | 9214.64 | 15720.19 | 0 | 77430.48 |
| Total Spent (Lakhs) on Lawyer Fee | 29 | 1.62 | 2.27 | 0 | 12.08 |
| Total Expenses (Lakhs): Stamp Duty 7 | 11 | 1.1 | 3.06 | 0 | 10.27 |
| Revenue Court Staff/Clerks | | | | | |
| Yearly Expenses (Lakhs): Stamp Duty & | 9 | .2 | .38 | 0 | 1.08 |
| Revenue Court Staff/Clerks | | | | | |
| Total Sludge (Lakhs) from expenses: | 30 | 1.61 | 2.28 | 0 | 12.08 |
| Lawyer Fees & Revenue Court Staff | | | | | |
| Yearly Sludge (Lakhs) from expenses: | 30 | 1.11 | 1.91 | 0 | 9.29 |
| Lawyer Fees & Revenue Court Staff | | | | | |

Table 22: Sludge in Document Collection from Patwari - KPK

| Table 22: Sludge III Document Conection In | Jiii Pat | wari - NPN | | | |
|--|----------|------------|-----------|---------|----------|
| Variable | | Mean | Std. Dev. | Min | Max |
| | Obs | | | | |
| Total Money (Rs.) spent on Patwari in the | 18 | 10882.75 | 15255.54 | - | 47741.98 |
| past year | | | | 18938.5 | |
| Sludge in visits to Patwari for document | 7 | 12.86 | 17.19 | 1 | 49 |
| collection in the past year | | | | | |
| Travel Time (hours) per visit to meet | 8 | 14.06 | 33.15 | 1 | 96 |
| Patwari for documents (2 way) | | | | | |
| Sludge in Wait Time (hours) per visit for | 7 | 1.29 | 2.21 | -1 | 4 |
| | | | | | |

| document collection from Patwari Sludge in Opportunity Cost due to document | 3 | 7379.17 | 12553.77 | 112.5 | 21875 |
|--|----|---------|----------|--------|-------|
| collection from Patwari in past year Sludge in Total Visits to Patwari for | 2 | 7.5 | 9.19 | 1 | 14 |
| document collection over entire case | | | | | |
| Sludge in Collection Time (hours) to get | 17 | 141.41 | 663.34 | -359 | 1800 |
| documents from Patwari after application | | | | | |
| submission | | | | | |
| Sludge in Total travel & wait time (hours) | 2 | 28.5 | 38.89 | 1 | 56 |
| spent on document collection from Patwari | | | | | |
| Sludge in Total time spent (days) on | 18 | 5.7 | 26.83 | -14.96 | 75 |
| document collection from Patwari | | | | | |
| Sludge in Total Opportunity Cost due to | 1 | 150 | | 150 | 150 |
| document collection from Patwari over | | | | | |
| entire case | | | | | |
| | | | | | |

| Table 23: Sludge in | n Document Collection | ı from Arazi Record | l Center - KPK |
|---------------------|-----------------------|---------------------------|----------------|
| Table 23. Sludge II | Document concellor | I II UIII III alli Meculi | a deniter min |

| Variable | | Mean | Std. Dev. | Min | Max |
|--|-----|---------|--------------|-------|------------|
| | Obs | | | | |
| Fees paid (Rs.) to get documents from Arazi Record | 9 | 2344.44 | 2150.06 | 200 | 6000 |
| Center | | | | | |
| Average travel cost per visit to Arazi Record Center | 18 | 2175 | 2393.27 | 150 | 10000 |
| (2 way) | | | | | |
| Sludge in Visits to Arazi Record Center for | 12 | 13.83 | 17.39 | 1 | 59 |
| document collection in the past year | | | | | |
| Sludge in Time Taken (days) to get documents | 21 | 8.46 | 20.88 | 96 | 89 |
| from Arazi Record Center after application | | | | | |
| submission | | | | | |
| Sludge in Time Taken (days) to get documents | 17 | 5.89 | 27.64 | - | 75 |
| before Arazi Record Center existed | | | | 14.96 | |
| Sludge in Wait Time (hours) per visit on document | 15 | 2.57 | 5.69 | -1 | 22 |
| collection from Arazi Record Center | | | | | . . |
| Travel Time (hours) per visit to go to Arazi Record | 13 | 3.9 | 6.16 | 1 | 24 |
| Center (2 way) | - | | | | |
| Sludge in Opportunity Cost (Rs.) from document | 6 | 5001.56 | 10418.77 | 125 | 26250 |
| collection from Arazi Record Center in the past year | _ | 0.07 | 2 2 7 | | 0 |
| Sludge in Total Visits to Arazi Record Center for | 7 | 3.86 | 2.97 | 1 | 9 |
| documents collection over entire case | _ | 40.00 | | 4 55 | 0.4 |
| Sludge in Total Wait & Travel time (hours) spent | 7 | 18.39 | 29.35 | 1.75 | 84 |
| on Arazi Record Center for documents | 0.4 | 0 70 | 20.04 | 0.6 | 00 (0 |
| Sludge in Total time (days) spent on Arazi Record | 21 | 8.72 | 20.91 | 96 | 89.63 |
| Center for document collection | - | | | 405 | 0.050 |
| Sludge in Total Opportunity Cost (Rs.) from | 6 | 5101.56 | 10377.78 | 125 | 26250 |
| document collection from Arazi Record Center over | | | | | |
| entire case | | | | | |

Table 24: Total Sludge in Time Taken - KPK

| Variable | | Mean | Std. | Min | Max |
|--|-----|--------|--------|-------|---------|
| | Obs | | Dev. | | |
| Sludge in time taken (months) to gather information | 29 | 4.73 | 7.68 | 1 | 35.77 |
| before filing case | | | | | |
| Total Sludge (months) when gathering documents | 33 | 2.48 | 8.72 | -1.81 | 47 |
| Sludge (days) taken to set first hearing after | 26 | 100.85 | 249.74 | -24 | 1050 |
| submitting case documents | | | | | |
| Sludge in total time (hours) spent travelling due to | 14 | 4.43 | 5.51 | .29 | 22 |
| hearings in a month | | | | | |
| Sludge in Total time (hours) spent visiting Revenue | 17 | 935.15 | 2024.2 | -150 | 8269.08 |
| Officers in the past year | | | | | |
| Sludge in Total time spent (days) on document | 18 | 5.7 | 26.83 | - | 75 |
| collection from Patwari over entire case | | | | 14.96 | |
| Sludge in Total time (days) spent on Arazi Record | 21 | 8.72 | 20.91 | 96 | 89.63 |
| Center for document collection | | | | | |

Table 25: Total Sludge in Rupees - KPK

| Variable | | Mean | Std. Dev. | Min | Max |
|--|-----|----------|-----------|--------|-----------|
| | Obs | | | | |
| Opportunity Cost (Rs.) of gathering | 21 | 238050.8 | 522885.08 | -1000 | 2376666.8 |
| information | | | | | |
| Total Sludge (Rs.) from document | 29 | 113086.8 | 260651.73 | - | 1225415.5 |
| collection | | | | 253.78 | |
| Yearly Sludge (Rs.) incurred due to | 16 | 67862.86 | 96567.33 | 428.69 | 384848.97 |
| hearings | | | | | |
| Yearly Total Sludge (Lakhs) from meeting | 22 | 1.7 | 5.59 | 1 | 26.44 |
| Revenue Officers | | | | | |
| Yearly Sludge (Lakhs) from expenses: | 30 | 1.11 | 1.91 | 0 | 9.29 |
| Lawyer Fees & Revenue Court Staff | | | | | |
| Sludge in Total Opportunity Cost due to | 1 | 150 | | 150 | 150 |
| document collection from Patwari over | | | | | |
| entire case | | | | | |
| Sludge in Total Opportunity Cost (Rs.) | 6 | 5101.56 | 10377.78 | 125 | 26250 |
| from document collection from Arazi | | | | | |
| Record Center over entire case | | | | | |

| Variable | | Mean | Std. Dev. | Min | Ma |
|--|-----|-----------|-----------|----------|----------|
| | 0bs | | | | |
| Opportunity Cost (Rs.) of gathering | 21 | 238050.8 | 522885.08 | -1000 | 2376666. |
| nformation | | | | | |
| Total Sludge (Rs.) from document collection | 29 | 113086.8 | 260651.73 | -253.78 | 1225415. |
| Yearly Sludge (Rs.) incurred due to Jearings | 16 | 67862.86 | 96567.33 | 428.69 | 384848.9 |
| Yearly Sludge (Rs) from expenses: awyer Fees & Revenue Court Staff | 30 | 110786.05 | 190566.3 | 0 | 929165.6 |
| Yearly Sludge (Rs.) from meeting Revenue Officers | 22 | 170258.07 | 558553.68 | -10000 | 2643561. |
| Total Yearly Sludge (Rs) from all steps | 31 | 306834.14 | 540242.91 | 12412.48 | 2851491 |
| Yearly Sludge (Rs.) - excluding one | 31 | 263066.6 | 527161.07 | -10000 | 280370 |
| ime costs | | | | | |
| Гotal Sludge (Rs.) from all steps over ntire case so far | 34 | 1088511.8 | 2357191.4 | 13892.99 | 1140596 |
| Гotal Yearly Income (Rs.) | 24 | 510750 | 351621.25 | 120000 | 120000 |
| Share (%) of income: Opportunity Cost Rs.) of gathering information | 20 | .42 | .75 | 01 | 2.9 |
| Share (%) of income: Total Sludge (Rs.) rom document collection | 19 | .23 | .68 | 0 | 2.9 |
| Share (%) of income: Yearly Sludge Rs.) incurred due to hearings | 12 | .2 | .24 | 0 | .7 |
| Share (%) of income: Yearly Sludge Rs) from expenses: Lawyer Fees & | 21 | .4 | .92 | 0 | 4 |
| Revenue Court Staff | | | | | |
| Share (%) of income: Yearly Sludge | 18 | .22 | .4 | 01 | 1.5 |
| Rs.) from meeting Revenue Officers Fotal Sludge (%) of income - including | 22 | .79 | 1.32 | .04 | 6.1 |
| ne time costs Yearly Sludge (%) of income - xcluding one time costs | 22 | .66 | 1.17 | 01 | 5.2 |
| Total Income (Rs.) earned in a month | 25 | 60860 | 95878.99 | 10000 | 50000 |

Table 26: Sludge as a percentage of income for KPK

Table 27: Opportunity Cost of Disputed Territory in KPK

| | | / | | | | |
|--------------------------------------|---------------|-----|---------|-----------|-------|----------|
| Variable | | | Mean | Std. Dev. | Min | Max |
| | | Obs | | | | |
| Total Rice Production in maunds lo | st in KPK due | 24 | 4347.76 | 12640.88 | 12.38 | 61986.75 |
| to case | | | | | | |
| Total Wheat Production in maunds | lost in KPK | 24 | 3216.48 | 9235.04 | 9.11 | 45225.25 |
| due to case | | | | | | |
| Total Rice & Wheat Production in n | naunds lost | 24 | 7564.24 | 21875.5 | 21.49 | 107212 |
| in KPK due to case | | | | | | |
| Total Rice Output (Lakhs) lost in Kl | PK due to | 24 | 130.82 | 329.32 | .36 | 1584.05 |
| | | | | | | |

| case | | | | | |
|--|----|--------|--------|------|---------|
| Total Wheat Output (Lakhs) lost in KPK due to | 24 | 85.8 | 233.69 | .28 | 1138.4 |
| case | | | | | |
| Total Rice & Wheat Production (Lakhs) lost in | 24 | 216.62 | 562.73 | .64 | 2722.44 |
| KPK due to case | | | | | |
| Total Rice Production Cost (Lakhs) in KPK | 24 | 102.51 | 257.83 | .29 | 1240.19 |
| (2001-2021) | | | | | |
| Total Wheat Production Cost (Lakhs) in KPK | 24 | 57.18 | 139.5 | .21 | 667.28 |
| (2001-2021) | | | | | |
| Total Rice & Wheat Production Cost (Lakhs) in | 24 | 159.7 | 397.3 | .5 | 1907.46 |
| КРК (2001-2021) | | | | | |
| Yearly Total Rice Production in maunds lost in | 24 | 250.63 | 454.14 | 4.13 | 1771.05 |
| KPK due to case | | | | | |
| Yearly Total Wheat Production in maunds lost | 24 | 184.77 | 330.18 | 3.04 | 1292.15 |
| in KPK due to case | | - | | | |
| Yearly Total Rice & Wheat Production in | 24 | 435.4 | 784.25 | 7.16 | 3063.2 |
| maunds lost in KPK due to case | | | | | |
| Yearly Total Rice Output (Lakhs) lost in KPK due | 24 | 8 | 13.28 | .12 | 47.61 |
| to case | | U | 10120 | 110 | 1,101 |
| Yearly Total Wheat Output (Lakhs) lost in KPK | 24 | 5.12 | 8.7 | .09 | 32.53 |
| due to case | | 0112 | 017 | 10 5 | 02100 |
| Yearly Total Rice & Wheat Production (Lakhs) | 24 | 13.12 | 21.96 | .21 | 77.78 |
| lost in KPK due to case | 21 | 15.12 | 21.90 | .21 | //./0 |
| Yearly Total Profit (Lakhs) from Rice in KPK | 24 | 1.71 | 2.85 | .02 | 10 |
| (2001-2021) | 27 | 1.71 | 2.05 | .02 | 10 |
| Yearly Total Profit (Lakhs) from Wheat in KPK | 24 | 1.48 | 3.01 | .02 | 13.46 |
| | 24 | 1.40 | 5.01 | .02 | 15.40 |
| (2001-2021) Vecely Total Ducit (Lakha) from Dice & Mihestin | 24 | 2 10 | F 7F | 05 | 22.20 |
| Yearly Total Profit (Lakhs) from Rice & Wheat in | 24 | 3.19 | 5.75 | .05 | 23.29 |
| KPK (2001-2021) | | | | | |

Table 28: Summary Statistics: Stress - KPK

| Variable | | | Std. | | |
|--|-----|------|------|-----|-----|
| | Obs | Mean | Dev. | Min | Max |
| Was it easy to get your documents? | 35 | 3.97 | 1.22 | 1 | 5 |
| How satisfied are you with your documents? | 32 | 1.75 | 1.16 | 1 | 5 |
| Are you stressed due to your hearings or due to your | 34 | 3.82 | 1.36 | 1 | 5 |
| hearings being adjourned? | | | | | |
| How stressed are you due to this case? | 32 | 4.03 | 1.26 | 1 | 5 |
| Do you think the documentation and paperwork required in | 34 | 2.85 | 1.6 | 1 | 5 |
| a lawsuit is reasonable | | | | | |
| How stressful was it to visit or go to the Arazi record | 14 | 2.21 | 1.48 | 1 | 5 |
| center? | | | | | |
| How stressful was it to meet the Patwari? | 34 | 3 | 1.69 | 1 | 5 |
| How stressful was it to meet the Girdawar Qanungo? | 28 | 2.89 | 1.37 | 1 | 5 |
| How stressful was it to meet the Naib Tehsildar? | 24 | 2.58 | 1.35 | 1 | 5 |
| How stressful was it to meet the Tehsildar? | 28 | 3.07 | 1.46 | 1 | 5 |
| How stressful was it to meet the AC? | 30 | 2.57 | 1.48 | 1 | 5 |
| How stressful was it to meet the DC/ADCR? | 14 | 2.43 | 1.79 | 1 | 5 |
| How stressful was it to meet the Commissioner? | 12 | 2.17 | 1.75 | 1 | 5 |
| How stressful was it to meet the BoR? | 12 | 1.92 | 1.38 | 1 | 4 |

Table 29: Sludge as a Percentage of GDP for KPK

| Variable | | Mean | Std. | Min | Max |
|--|-----|----------|------|----------|----------|
| | Obs | | Dev. | | |
| Average Cost of Sludge Per Litigant in a Year (all | 35 | 625977.5 | 0 | 625977.5 | 625977.5 |
| steps) | | | | | |
| Average Cost of Sludge Per Litigant in a Year | 35 | 582210 | 0 | 582210 | 582210 |
| (excluding one-time costs) | | | | | |
| Total Cases in KPK that are more than 12 | 35 | 12852 | 0 | 12852 | 12852 |
| months old (1 Jan 2022 - 31 Dec2022) | | | | | |
| Cost of Sludge in million rupees in KPK (all | 35 | 8045.06 | 0 | 8045.06 | 8045.06 |
| steps) | | | | | |
| Cost of Sludge in million rupees in KPK | 35 | 7482.56 | 0 | 7482.56 | 7482.56 |
| (excluding one-time costs) | | | | | |
| Sludge as a percentage of Crop GDP per year for | 31 | 3.77 | 0 | 3.77 | 3.77 |
| KPK (all steps) | | | | | |
| Sludge as a percentage of Crop GDP per year for | 31 | 3.51 | 0 | 3.51 | 3.51 |
| KPK (excluding one-time costs) | | | | | |
| Sludge as a percentage of KPK's Agricultural | 31 | .57 | 0 | .57 | .57 |
| GDP per year (all steps) | | | | | |
| Sludge as a percentage of KPK's Agricultural | 31 | .53 | 0 | .53 | .53 |
| GDP per year (excluding one-time cost) | | | | | |
| Value of disputed territory in KPK as a | 31 | 216.58 | 0 | 216.58 | 216.58 |
| percentage of KPK Real Estate GDP per year | | | | | |

Table 30: Summary Statistics - KPK

| Variable | Obs | Mean | Std. Dev. | Min | Мах |
|---|-----|--------|-----------|-------|--------|
| Male | 31 | 1 | 0 | 1 | 1 |
| Age | 35 | 51.14 | 15.73 | 25 | 76 |
| Total Income (Rs.) earned in a month | 25 | 60860 | 95878.99 | 10000 | 500000 |
| Plaintiff | 32 | .69 | .47 | 0 | 1 |
| Years since case was filed | 31 | 6.29 | 8.08 | .05 | 35 |
| Land Size of Disputed Territory in Kanals | 35 | 81.4 | 154.16 | 2 | 700 |
| Total Disputed Territory Value in Lakh Rupees | 28 | 429.29 | 672.89 | 4 | 2500 |
| Case Type: Demarcation | 35 | 0 | 0 | 0 | 0 |

| Case Type: Partition | 35 | .71 | .46 | 0 | 1 |
|--|----|------|------|-----|----|
| Case Type: Mutation | 35 | 0 | 0 | 0 | 0 |
| Case Type: Inheritance | 35 | .06 | .24 | 0 | 1 |
| Case Type: Eviction | 35 | .14 | .36 | 0 | 1 |
| Months taken to gather information before filing | 29 | 4.96 | 7.68 | .13 | 36 |
| case | | | | | |

OVERALL RESULTS FOR PUNJAB & KPK

Table 31: Sludge as a Percentage of Income for Punjab & KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|------|-----------|-----------|----------|-----------|
| Monthly Income in Rupees | 217 | 40665.91 | 53914.1 | 0 | 500000 |
| Land Size of Disputed Territory in Kanals | 318 | 49.693 | 81.509 | .15 | 700 |
| Disputed Territory in million rupees on | 321 | 17.601 | 0 | 17.601 | 17.601 |
| average | | | | | |
| Total Cases in Punjab that are more than | 286 | 65396 | 0 | 65396 | 65396 |
| 12 months old (1 Jan 2022 - 31 Dec2022) | | | - | | |
| Total Cases in KPK that are more than 12 | 35 | 12852 | 0 | 12852 | 12852 |
| months old (1 Jan 2022 - 31 Dec2022) | | | | | |
| Total Cases in KPK & Punjab older than 12 | 321 | 78248 | 0 | 78248 | 78248 |
| months (1 Jan 2022 - 31 Dec 2022) | | | | | |
| Opportunity Cost (Rs.) of gathering information | 187 | 98724.83 | 226950.27 | -112500 | 2376666.8 |
| Total Sludge (Rs.) from document | | | | | |
| collection | 258 | 52281.55 | 179963.83 | -1000 | 1860625.1 |
| Yearly Sludge (Rs.) incurred due to | | | | _ | |
| hearings | 212 | 70944.36 | 186123.77 | 60833.33 | 1728000 |
| Yearly Sludge (Rs) from expenses: Lawyer | | | | | |
| Fees, Revenue Court Staff & Food | 232 | 139619.14 | 284932.55 | 0 | 1991069.4 |
| Yearly Sludge (Rs.) from meeting Revenue | | | | | |
| Officers | 249 | 67859.64 | 294876.49 | -10000 | 3405755.3 |
| Total Yearly Sludge (Rs) from all steps | 04.0 | | | - | 04405400 |
| | 310 | 256121.68 | 435141.12 | 60833.33 | 3412748.3 |
| Yearly Sludge (Rs.) - excluding one-time | 214 | 204060 1 | 200500.40 | - | |
| costs | 314 | 204869.1 | 399590.49 | 60833.33 | 3405755.3 |
| Total Sludge (Rs.) from all steps over | 313 | 895953.38 | 3673039.9 | -16750 | 41717832 |
| entire case so far | 515 | 073733.30 | 30/3039.9 | -10/50 | 41/1/032 |
| Share (%) of income: Opportunity Cost | 185 | .22 | .37 | 02 | 2.98 |
| (Rs.) of gathering information | 105 | .22 | .57 | 02 | 2.90 |
| Share (%) of income: Total Sludge (Rs.) | 179 | .13 | .4 | 0 | 3.1 |
| from document collection | 177 | .15 | . 1 | 0 | 5.1 |
| Share (%) of income: Yearly Sludge (Rs.) | 159 | .21 | .44 | 14 | 2.88 |
| incurred due to hearings | 107 | | | • • • | 2.00 |
| Share (%) of income: Yearly Sludge (Rs) | | 12 | 4.00 | c | |
| from expenses: Lawyer Fees, Revenue | 149 | .43 | 1.22 | 0 | 10.56 |
| Court Staff & Food | | | | | |
| Share (%) of income: Yearly Sludge (Rs.) | 182 | .24 | 1.15 | 02 | 14.19 |
| from meeting Revenue Officers | | | | | |
| | | | | | |
| Total Sludge (%) of income - including one-time costs | 211 | .83 | 1.69 | 06 | 14.22 |
|---|-----|-----------|----------|----------|-----------|
| Yearly Sludge (%) of income - excluding one-time costs | 211 | .67 | 1.58 | 01 | 14.19 |
| Average Cost of Sludge Per Litigant in a Year (all steps) | 321 | 700927.49 | 26260.32 | 625977.5 | 710099.69 |
| Average Cost of Sludge Per Litigant in a Year (excluding one-time costs) | 321 | 649831.46 | 23692.62 | 582210 | 658106.81 |

Table 32: Sludge as a Percentage of GDP for Punjab & KPK

| Variable | Obs | Mean | Std. Dev. | Min | Max |
|--|-----|----------|--------------|----------|----------|
| Total Cases in Punjab that are more than 12 months old (1 Jan 2022 - 31 Dec2022) | 286 | 65396 | 0 | 65396 | 65396 |
| Total Cases in KPK that are more than 12 months old (1 Jan 2022 - 31 Dec2022) | 35 | 12852 | 0 | 12852 | 12852 |
| Total Cases in KPK & Punjab older than 12 months (1 Jan 2022 - 31 Dec 2022) | 321 | 78248 | 0 | 78248 | 78248 |
| Cost of Sludge in million rupees in Punjab (all steps) | 286 | 46437.7 | 0 | 46437.7 | 46437.7 |
| Cost of Sludge in million rupees in KPK (all steps) | 35 | 8045.06 | 0 | 8045.06 | 8045.06 |
| Cost of Sludge in million rupees in KPK & Punjab (all steps) | 321 | 54482.76 | 0 | 54482.76 | 54482.76 |
| Cost of Sludge in million rupees in Punjab (excluding one-time costs) | 286 | 43037.6 | 0 | 43037.6 | 43037.6 |
| Cost of Sludge in million rupees in KPK (excluding one-time costs) | 35 | 7482.56 | 0 | 7482.56 | 7482.56 |
| Cost of Sludge in million rupees in KPK & Punjab (excluding one-time costs) | 321 | 50520.16 | 0 | 50520.16 | 50520.16 |
| Sludge as a percentage of GDP per year for Punjab & KPK (all steps) | 321 | .11 | 0 | .11 | .11 |
| Sludge as a percentage of GDP per year for Punjab & KPK (excluding one-time costs) | 321 | .1 | 0 | .1 | .1 |
| Sludge as a percentage of Agricultural GDP per year for Punjab & KPK (all steps) | 321 | .47 | 0 | .47 | .47 |
| Sludge as a percentage of Agricultural GDP per year for Punjab & KPK (excluding one-time cost) | 321 | .44 | 0 | .44 | .44 |
| Sludge as a percentage of Crop GDP per year for Punjab & KPK (all steps) | 321 | 1.4 | 0 | 1.4 | 1.4 |
| Sludge as a percentage of Crop GDP per year for Punjab & KPK (excluding one-time cost) | 321 | 1.3 | 0 | 1.3 | 1.3 |
| Value of disputed territory in Punjab & KPK as a percentage of Real Estate Activities GDP per year | 321 | 47.4562 | 0 | 47.4562 | 47.4562 |

FIGURES FOR KPK

Figure 9 Yearly Stess distribution including one time activity (KPk)





Figure 10 Yearly stress distribution excluding one time activity (KPk)





A1. Paper-based survey

ریونیو کورٹ راستہ PIDE سروے

Present 🗆

| • | کرے | پر | كننده | شمار | .1 | بكس |
|---|-----|----|-------|------|----|-----|
|---|-----|----|-------|------|----|-----|

| | | | | ت: | ى شناخ | شمار کننده ک | ار کننده کا نام: | | | | | | شمار کل | | |
|----------------|-------------------------|------------------------|------------------|-------------------------|--------|-------------------------------|------------------|-------------------------|-----|---|---|-------------------------|---------|-------------------|----------------|
| | | | | | : | سروے نمبر: | | D D | м | М | 2 | 0 | Y | Y | تاريخ |
| 4۔ قصور شہر | 3۔ کوٹ رادھا کشن | | 2. جڑا 6- چار | سل آباد مدر بشاور | 4 | عدالت کا مقام: | | : | شېر | | | تحصيل: | | | ضلع: |
| ڈی سی آر) | ریونیو (اے اُ صیلدار |) کمشنر ر ۔ نائب تح | | 4۔ ایڈیٹ | ، سی) | ٹپٹی کمشنر (ڈی 6۔ تحصیلدار | | 2۔ کمشنر نئر (اے سی) | | | | [_ بورڈ آف 5_ اسسٹنٹ | _ | ں قسم | عدالت کو |
| | Н | H | M | М | | می وقت 24 Ho | | | H | н | M | M | | - | وقت آ (Hour |
| | | | | | | | | | | | | | | ب ر-ID | فيلڈ مينيج |
| | | | | | تخط | کنندہ کے دس | شمار | | | | | <u>1</u> | دستخد | ہر کے | فيلڈ ميني |

| کٹن Q: سروے کے آخر میں بھریں۔ | | | | | | | | | | |
|-------------------------------|-----------|--|----|--|--|--|--|--|--|--|
| 2. نېيں | 1. جي ٻان | کیا جواب دہندہ آپ کے سروے کے تمام سوالات پوچھنے سے پہلے چلا گیا؟ | Q1 | | | | | | | |
| | | اگر Q2 کا جواب جی ہاں ہے تو جواب دہندہ نے سروے کے کس سوال تک جواب دیا؟ | Q2 | | | | | | | |
| | | سروے کو درمیان میں چھوڑنے کی وجہ؟ | Q3 | | | | | | | |

| براہ کرم جواب دہندہ کے لیے درج ذیل کو پڑھیں۔ | شمار کننده: |
|---|-------------|
| میر ا نام ہے ۔ میں یہل پاکستان انسٹی ٹیوٹ آف ڈویلپمنٹ اکنامکس (PIDE) کے ایک محقق کی جانب سے پاکستان کی ریونیو | |
| عدالتوں کے بارے میں معلومات اکثها کرنے کے لیے ایک سروے کرنے آیا ہوں۔ ہم خاص طور پر ریونیو حدالتی نظام کی رفتار پر توجہ دے | تعارف |
| رہے ہیں جو کے [شہر کا نام استعمال کریں] کے لوگوں کے لیے فیصلہ سازی کے مقدمات کو جلدی حل کرنے پر مدد کرے گا. اس | |
| سر وے کا مقصد یہ معلوم کرنا ہے کہ ریونیو کورٹ کے نظام میں مدعیان کو اپنے مقدمات کے دور ان کتنا وقت اور لاگت آتی ہے۔ | |
| آپ جو بھی معلومات ہمار ے ساتھ شیئر کرتے ہیں وہ خفیہ ہیں اور اس کا اشتر اک یا شائع نہیں کیا جائے گا۔ آپ کے نام کی جگہ، ہم ایک ہے | |
| تر تیب نمبر تفویض کریں گے تاکہ آپ کی شناخت محفوظ رہے۔ | رضامندی کا |
| آپ کو اس سروے کو کرنے سے انکار کرنے کا حق حاصل ہے اور اگر سروے کے دور ان ، کسی بھی وقت، آپ اس سروے کو ختم کرنا | نوٹ |
| چاہتے ہیں تو آپ کو ایسا کرنے کا بھی حق ہے۔ آپ کو یہ حق بھی حاصل ہے کہ آپ مجھ سے ان معلومات کو دوبار ہ دہر ائیں۔ | |
| اس سے پہلے کہ میں سروے شروع کروں میں اس بات کو سمجھانا چاہوں گا کہ سروے کے سوالات میں جب میں ریونیو أفیسرز کا لفظ | ئوٹ |
| استعمال کرتا ہوں تو میر ا مطلب درج ذیل لوگ ہیں: نائب تحصیلدار ، تحصیلدار ، اسسٹنٹ کلکٹر (AC)، ٹسٹر کٹ کلکٹر (DC) اور کمٹنر . | -9- |

66

| | | | | | | A : ذاتی معلومات | 1 | | |
|---|-------------------|--------------------|------------------|------------|-----------|--|-------------|--|--|
| | | | | | | | | | |
| A2 عمر A2 | | | | | | ہواب دہندہ کا نام | • A1 | | |
| - | | | | - | | ىناختى كارڑ نمبر | A3 | | |
| 0 3 - | | | | | | وبائل نمبر | A A4 | | |
| آ پ کی تعلیم کیا ہے؟ [شمار کنندہ: آپشن 6 میں گریڈ یا کلاس لکھیں۔] | | | | | | | | | |
| طح (بی اے، ایم اے، ایم ایس سی وغیرہ) | ئريجويٹ/كالج س | ٤ -4 | | گیا | ول نېيں ڏ | 1. ناخو انده/ كبهي سكر | | | |
| يونيور سڻي سطح (پي ايچ ڏي) | وسٹ گريجويٹ/ | <mark>્ય -5</mark> | | ر | کے بر اب | میٹرک پاس یا اس | | | |
| ن: ل | یگر / گریڈ /کلاس | 6- د | ابر | س کے بر | سی یا ا | 3۔ ایف اے/ ایف ایس | | | |
| آپ کی ملازمت کی حیثیت کیا ہے؟ | | | | | | | | | |
| [شمار کنندہ: آپشنز کو پڑ ہیں اور ان سب کو منتخب کریں جو لاگو ہوں۔ ریٹائرڈ شخص کے لیے A12 بھی پوچھیں۔] | | | | | | | | | |
| | يڭ ملازمت | 🗆 پرائيو | ار 7-ا | ذاتی کاروب | □-4 | ۔ 🗌 سرکاری ملازم | | | |
| گریڈ [ج واب 1- 22 کے درمیان ہو گا] | ڈ / پوچهیں] 12 | ریٹائر ط121 م | - <mark>8</mark> | طالب علم | □-5 | ز- 🗌 خاتون خانہ | 2 A6 | | |
| | [| | ضاحت كرير | ديگر (و | □-6 | :- 🛛 بے روزگار | 3 | | |
| 4۔ دیگر (وضاحت کریں) | نے سے انکار | 3_ جواب دين | عورت | -2 | 1. مرد | ب کی صنف کیا ہے ؟ | й А7 | | |
| 4. بيوه/ رنتوا | - طلاق يافته | ى شدە 3 | 2. شادى | ہ/کنواری | 1- كنوارا | زدواجي حيثيت؟ | A8 | | |
| | | | | | | بېده/ پیشہ؟ | > A9 | | |
| ادار د/مقام | | | | | | | | | |
| روپے | | | | | | اہانہ آمدنی | 4 A11 | | |
| یل خطع | ئحم | | علاقہ/محلہ | - - | | جواب دہندہ ک <i>ی ر</i> ہائ <i>ش</i> گاہ | A13 | | |

| | | | مين/ جائيداد | B: متنازعہ ز | سيكشن |
|------|-------|--------------------|------------------------------------|--|-------------------|
| خبلع | تحصيل | گاؤں/محلہ/بڑرس | داد کا محل وقوع | متنازعه جائيد | B14 |
| مرلے | کنال | ابېكۈ | اد کا رقبہ | متنازعه جائيدا | B15 |
| ہے | رو | | داد کی انداز اً مالیت | متنازعه جائيد | B16 |
| | | | اد کا استعمال | متنازعه جائيدا | B1 7 |
| | | ل چهوڑ د <i>یں</i> | =888 =999 لکھیں یا خالی N/A= | نہیں جانئے دینے سے انکار ال جو اب دہندہ نہیں ہو تا ہے | جو اب د اگر سو |

| · · · · · · | | | · · · | | | | | | | ستہ PIDE سروے | . کورٹ ر ا | ريونيو |
|-------------------------|--|------------------------------|---|---|---|---|------------------------------|------------------|-------------------------|--|---------------------------------------|-------------|
| (-ن) | تاريخ | عدالت کی قسم | | عدالت کا مقام | | | | سرو نمب | | | | |
| <u> </u> | | | ļļ_ | | | | | • | | | | |
| | سیکشن C: تنازعہ کی نوعیت | | | | | | | | | | | سيكث |
| - | 2. مد< | | | 1. مدعی | | | | | ن | واب دہندہ کی حیثین | ÷. | C18 |
| ضاحت کریں) | 6. ديگر (و | 5. بےدخلی | نتقال | ديندى 2. تقسيم 3. وراثت 4. انتقال | | | | | L | زع کی نوعیت | تتار | C19 |
| | یں) | ر (وضاحت كر | 3. دیگ | ف اپيل | سلہ کے خلا | تنازعه كى كيفيت 1. ابتدائى مقدمه 2. فيم | | | | | | C20 |
| دن: | | مہینے: | | 10 | الس | | ا ہے؟ | صہ ہو | ، کنتا عرا | دمہ کو دائر ہوئے | مقد | C21 |
| دن: | مہینے: | سٽال: | نثا وقت | ے میں کا | ہ جمع کرنے | | | | | ا کو اپنا کیس دائر ا؟ [شمار کنندہ: اگر | | C22 |
| | مطومات کی تلاش میں آپ نے اپنا زیادہ تر وقت کس چیز پر لگایا؟ ¹ [شمار کنندہ: وہ سرگرمیاں پہلے لکھیں جن پر سب سے زیادہ وقت 2۔ لگا] | | | | | | | | | معا [شا | C23 | |
| میں] ہمائی ذہنی اذیت | | نے دیئے گئے ۔ بہت پریشانی | | | ىوس كى؟ 3. نا زيادہ ن | | یا پریش پریشانی | | | لومات جمع کرتے کوئی پریشانی نہیں | | C24 |
| | | | | | | | | | | | | |
| | شن D: مقدمہ دائر کرنے کی مدت اور لاگت | | | | | | | | | | سيكشر | |
| یب کو منتخب کر ہی | یڑ ہیں اور ان ، | ار کننده: آیشنز | ں؟ [شم | کرنے پڑ ہ | ر با حاصل | ت بنوانے | | | | دائر کرنے کے ل | | |
| 5۔ لاگٹ (روپے) روپے | متعلقہ دفتر کے کتنے ہکر لگے؟ | قہ دفتر 4۔ سطأ | 3۔ متعل 3۔ متعل انتظار ک کھنٹے | فتر کے رسطاً | ر متعلقہ دا 2. متعلقہ دا سفر پر او وقت کنتا گھنٹے | U. | یصبے میں ت ملیں؟ گھنٹے | نے عر تاویز ا | 1. ک ^ن دس | ر بوں - اگر جواب دین دستاویزات کا نام | , , , , , , , , , , , , , , , , , , , | |
| | | | | | | | | | | ٹومیسائل | □-1 |] |
| | | | | | | | | | | شناختی کارڈ | □-2 | |
| | | | | | | | | | | پولیس میں ایف آئی آر | □-3 | D22 |
| | | | | | | | | | | فرد ملکیت | □.4 | |
| | | | | | | | | | | جمع بندی | □-5 | |
| | | | | | | | | | | خسره گرداوری ه | □-6 | |
| | | | | | | | | | | شجرہ نصب م | | 4 |
| | | | | | | | | | | ديگر (وضاحت کريں): | □-8 | |
| کل روپے: | چکر : | کل | کل وقت: | | کل وقت: | | | | کل وقت: | | | |
| | | | | | | دیں | ں ڊبر ڙ | یا خالہ | | ے سے انکار =9(| سوال م | جو ا اگر |
| 3 | | | | | | L | | | | <u> </u> | ~ , , , | <u>_</u> |

| | | | | | | | | ئىكل ؟ | مان تها يا من | ل کرنا آم | دستاويزات حاص | |
|------------------|---------|-----------|----------------|------------------|-------------|----------------------|------------------------|------------|-----------------------|---------------------|-----------------------------------|-------------|
| . بېت مشكل | 5 | | مشكل | .4 | | ، مشکل | 3. نہ آسان ن | ن | 2. أسا | سان | 1. بېت آس | D23 |
| | | [- u | لاگو ہور | ، کریں جو | كو منتخب | ده: ان سب | یں؟ [شمار کنا | ے حاصل ک | ات کہاں سے | دستاويزا | آپ نے درج بالا | |
| (وضاحت كريں) | دیگر | | پولیس تھانہ | □-5 | قانون گو | □-4 | اراضی ریکارڈ سنٹر | □-3 | تحصيلدار | □-2 | 1-🛛 پٹواری | D24 |
| یاں تھیں | 2. غلطب | | ھيں | سحيح ت | -1 | ہیں ؟ | ے دی گئیں ت | ، يا غلط د | زات ملیں ہیں | م دستاويز | کیا آپ کو صحیح | D25 |
| | | | | | | ِ پڑ ہیں] | سمار کنندہ: آپشنز | ن ہیں ؟ [: | کتئے مطمئر | زات سے | آپ اپنے دستاویز | D25 |
| لمكل غير مطمئن | .5 ÷ | لمئن | با غير مە | تھوڑا س | .4 3 | غير مطمئز | نہ مطمئن نہ | لمئن 3. | چھ حد تک مع | 2. ک | بلكل مطمئن | A |
| مہینے | | سال | | ? | ر ہوئی | پیشی مقر | سے میں پہلی | کننے عرہ | ئے کے بعد ا | ، دائر کرن | درخواست/مقدمه | D26 |
| مرتبہ | ے ہیں] | ہیں جانتے | 88 اگر ن | 8] | | | | لگى؟ | کنٹی مرتبہ | في تاريخ | آج تک مقدمے ک | D2 7 |
| مرتبہ | ے ہیں] | ہیں جانتے | 88 اگر ن | 8] | | | | وئى؟ | پر سماعت ہو | ه تاريخ | کنٹی مرتبہ مقرر | D28 |
| مرتبہ | ے ہیں] | ہیں جاتے | 88 اگر ن | 8] % | انے پڑے | ے چکر لگ | عدالت/دفاتر کے | نتنی مرتبہ | ن وجہ سے ک | ی مقدمہ کر | آپ کو آج تک اس | D29 |
| چکر | ے ہیں] | ہیں جانتے | 88 اگر ن | 8] | | | کر لگے؟ | ے کتنے چ | الت/دفاتر کے | ں میں عد | پچھلے ایک سال | D3 0 |
| روپے | | | | | | 2 ؟ | چہ کتنا آتا ہے | ، بهگ خر | لگنے پر لگ | ے چکر ا | ہر عدالت/دفاتر ک | D31 |
| | ىنە: | • | | ; | گھنٹے | | دن: | لگا ؟ | پر کتنا وقت | ے چکر | ہر عدالت/دفاتر ک | D32 |
| | | | | | | | | | | - | کیا آپ سماعت ی | D32 S |
| | | | | | | | | | | | 1۔ کوئی پریشانے | , |
| لاگو ہوں ۔ اگر | | | | | | | | | | | آج تک اس مقدم جوان دنزد جوان ز | |
| | [0,4- | 999 J | | سے ہے۔ (روپے) | | | پہ چ <u>ی بر، تر 0</u> | נו ידו דו | , 000 - 1 | ہیں جے ح | جو اب دېنده جو اب نـ ا نام | |
| روپے | | | | | | | | ں | ر/سرکار ی فی س | امپ ڈيو ٿي | 1-1 | D33 |
| روپے | | | | | | | | | | ي وکيل کې | | |
| روپے | | | | | | | | | | ر کی لاگ | 1 | |
| روپے | | | | | | پو چهي ں] | ت [D33A | | | | | |
| | | | | | | | | کریں): | ت (وضاحت | قر اخراجا | 5-□ دي | |
| روپے | | | | | 1.15 | | | | | | | ┤┃ |
| | | | ماليت | وہے: محد T | | hadro | D3 آپشن 4 کا | 2 51 | | • D22 4 | | |
| - | | | - | | | | - | | | | 24 A T | D22 |
| L. | 9 نخهیں | ے پر 99 | کار درب | ے سے ا | واب دیئے | ر حىدە: ج | ے پڑے: اِسما | فراہم درب | ہمد دے ہے | ات دس ما | آپ کو یہ معاوضہ | D33 A |
| | | | | | | | | | | | | |
| | | | | پڑ ہیں] | نده: آپشنز | ؟ [شمار کنا | میں مبتلا ہیں | ، پریشانی | ہم سے ذہنی | ے کی وہ | کیا آپ اس مقدم | D34 |
| نتہائی ذہنی اذیت | -5 | ېرېشانى | 4۔ بہت | ى | کم پر بشان | ہ زیادہ نہ | ، 3-د | ، پریشانی | 2۔ ہلکے | نی نہی | 1۔ كوئي پريشان | |
| | | | | | | | | | | | | |

| 888= | جو اب نہیں جانتے |
|-----------------------------|----------------------|
| 999= | جو اب دینے سے انکار |
| =/N لکعیں یا خالے جعوٹ دیں | اگر سوال جواب دېنده |
| =N/A لکھیں یا خالی چھوڑ دیں | پر لاگو نہیں ہوتا ہے |

| | | | ریونیو کورٹ راستہ PIDE سروے | | | | | | |
|--|--|--|---|--|--|--|--|--|--|
| عدالت کی تاریخ (دن) D D | عدالت کا مقام | سروے نمپر | | | | | | | |
| اگر آپ کا واسطہ پٹواری/قانون گو اور اراضی ریکارڈ سنٹر سے پڑ چکا ہے تو کون سے دفتر میں زیادہ آسانی ہے؟ [شمار کنندہ: اگر جواب دہندہ 3 میں سے 2 پر گئے ہیں، تو دیگر میں جواب لکھیں۔ اگر صرف ایک کے پاس گئے ہیں تو N/A کا انتخاب کریں۔] | | | | | | | | | |
| | ار ڈ سنٹر 4. میں دفاتر گیا نہیں | | | | | | | | |
| نائب تحصیلدار سے ملاقات آسانی سے ہوجاتی ہے؟ | ر مثلاً اسسٹنٹ کمشنر ، تحصیلدار یا | مکمہ مال کی عدالت مجاز افس | D36 کیا آپ کے خیال میں مد | | | | | | |
| ت مشکل سے شانونادر ہی 5۔ ملاقات ناممکن ملاقات ہوتی ہے | 3۔ نہ آسان نہ مشکل 3۔ بہن | 2- كبھى كبھى ملاقات ہوجاتى ہے | 1۔ جی ہاں بہت آسانی سے | | | | | | |
| صرف سائلین کے وقت اور پیسے کا ضیاع ہے؟ ب | اور کاغذی کاروائی مناسب ہے یا ہ | | D37 کیا آپ کے خیال میں م [شمار کنندہ: آپشنز پڑ ہیں | | | | | | |
| چھ ضروری کاروائی 5- بیٹتر ضروری کر ر ضروری ہیں جس کاروائی غیر ضروری سائلین تنگ ہوتے ہیں ہی جس سے سائلین تنگ | میری کوئی رائے غیر | 2۔ کچھ ضرور ی کاغذات مانگے جاتے ہیں۔ | 1۔ صرف ضرور ی کاغذات ہی مانگے جاتے ہیں۔ | | | | | | |
| [هين] | ساف ملے گا ؟ [شمار کنندہ: أپشنز پڑ | یوینیو عدالت سے آپ کو اند | D38 کیا آپ کے خیال میں ر | | | | | | |
| 5۔ مجھے یقین ہے جھے انصاف کی امید نہیں کے نا انصافی ہوگی | | 2۔ مجھے انصاف کی امید ہے | | | | | | | |
| صر طور پر ان کے تبصرے لکھیں] | بز ہوں تو بتانیے ؟ [شمار کنندہ :مخت | بہتر بنانے کےلئے کوئی تجاور | D39 ريوينيو عدالتون كا نظام | | | | | | |
| | | | | | | | | | |

| | | | ن F: ڈیجیٹائزیشن سیکشن | سيكشر |
|---|--|---------------------------------------|---|------------|
| 2. نېيں ررا سيکشن F کو چهوڙ ديں] | اں [پو | 1. جى ہ | کیا آپ نے کبھی اراضی ریکارڈ سنٹر کا چکر لگایا ہے؟ | F1 |
| | چهوڙ ديں. | پورا سيکشن | اگر اوپر F1 میں جواب نہیں ہے، تو | |
| | :2 | روپے | اراضی ریکارڈ سنٹر کے چکرکی اوسطاً لاگت کتنی تھی؟ | F2 |
| میں کتنا وقت لگا؟ منٹ | زات حاصل کرنے م | ے اپنے دستاویز ^{گھنٹ} ے | متعلقہ درخواست جمع کروانے کے بعد آپ کو اراضی ریکارڈ سینٹر سر [شمار کنندہ: اگر جواب دہندہ جواب نہیں جانتا تو 888 لکھیں] دن | F6 |
| , | رنے میں کننا وقت حاصل کی ہیں۔] گھنٹے | اویزات حاصل کر سے دستاویز ات دن | اراضی ریکارڈ سنٹر کے قیام سے پہلے آپ کے کیس سے متعلقہ دستا [شمار کنندہ: N/A لکھیں اگر انہوں نے آج تک صرف اراضی ریکارڈ سینٹر مہینے | F 7 |
| روپے | | | اراضی ریکارڈ سنٹر سے اپنے ڈیجیٹل دستاویزات حاصل کرنے کے لیے کنٹی فیس ادا کی ؟ [شمار کنندہ: اگر جواب دہندہ جواب نہیں جانتے تو 8 | F8 |
| جواب دینے سے انکار F12 پر جائیں] | 2. نېيں [F12 پر جائيں] | 1. جي ٻان | کیا آپ کو اراضی ریکارڈ سنٹر کے عملے/ اہلکاروں کو کوئی اور رقم ادا کرنی پڑی ہے؟ | F9 |

| 888= | جو اب نہیں جانتے |
|--------------------|----------------------|
| 999= | جو اب دینے سے انکار |
| =N/A لکھیں یا خالی | اگر سوال جواب دېنده |
| –N/A کھیں یا کائی | پر لاگو نہیں ہوتا ہے |

| کتنی رقم ادا کی گئی؟ [شمار کنندہ: اگر جواب دہندہ جواب دینے سے انکار کرے تو 999 لکھیں اور اگر جواب نہیں جانتے تو 888 لکھیں] روپے: | F10 |
|---|---------------|
| کیا وہی رقم پہلے پٹواریوں سے 5۔ کبھی پٹواری کے پاس 3۔ جواب دینے 4۔ نہیں 5۔ کبھی پٹواری کے پاس دستاویزات کی لیے نہیں گئے۔ دستاویزات کے لیے نہیں گئے۔ | F11 |
| کیا اراضی ریکارڈ سنٹر کے دستاویزات غلطی کے بغیر تھے؟ 1- جی ہاں 2- نہیں 2- اپن 2- اپن جائیں آ | F12 |
| اگر F12 میں جواب جی ہاں دیا گیا تو F20 پر جائیں۔ | |
| درخواست جمع کرانے کے بعد غلطی کو درست کرنے میں کتنا وقت لگا؟ [شمار کنندہ: اگر جواب دہندہ جواب نہیں جانتے تو 888 لکھیں] | F12 |
| مېينے دن گهنٹے منٹ | A |
| کیا آپ کو دستاویز میں غلطی کو درست کرا نے کے لیے کسی بھی مرحلے ۔ پر پٹواری کے پاس دستاویز لے کر جاتا پڑا؟ ۔ [18 پر جائیں] | F13 |
| پتواری کو دستاویزات درست کرنے میں کتنا وقت لگا؟ [شمار کنندہ: جواب دینے سے انکار کرنے پر 999 لکھیں اور اگر جواب نہیں جانتے تو 888 لکھیں] دن گھنٹے منٹ | F14 |
| آپ نے اپنی دستاویزات درست کرنے کے لیے پٹواری کو کنتے پیسے دیے؟ [شمار کنندہ: جواب دینے سے انکار کرنے پر 999 لکھیں اور اگر جواب نہیں جانتے تو 888 لکھیں] | F15 |
| پٹواری سے تصحیح حاصل کرنے کے اس عمل کے دوران آپ کو کیا پریشانی محسوس ہوئ؟ [شمار کنندہ: آپشنز پڑ ہیں] 1. کوئی پریشانی نہی 2۔ ہلکی پریشانی 3. نا زیادہ نا کم پریشانی 4۔ بہت پریشانی 5۔ انتہائی ذہنی اذیت | F16 |
| متعلقہ اہلکار سے فرد بدر حاصل کرنے میں کتنا وقت لگا؟ [شمال کنندہ: جواب دینے سے انکار کرنے پر 999 لکھیں اور اگر جواب نہیں جانتے تو 888 لکھیں] دن گھنٹے منٹ | F18 |
| اراضی ریکارڈ سنٹر سے تصحیح حاصل کرنے کے اس عمل کے دوران آپ کو کتنی پریٹیائی محسوس ہوئ؟ [شمار کنندہ: آیشنز کو پڑ ہیں۔] 1۔کوئی پریشانی نہی 2۔ بلکی پریشانی 3۔ نا زیادہ ناکم پریشانی 4۔ بہت پریشانی 5۔ انتہائی ذہنی اذیت | F18S |
| آپ نے اپنی دستاویزات درست کرنے کے لیے اراضی ریکارڈ سنٹر میں کتنے پیسے لگاۓ؟ [شمار کنندہ: جواب دینے سے انکار کرنے پر 999 لکھیں اور اگر جواب نہیں جانتے تو 888 لکھیں] | F19 |
| کیا آپ کے خیال میں اراضی ریکارڈ سینٹرز پٹوار سینٹر سے زیادہ قابل رسائی ہے ؟ [شمار کنندہ: آپشنز پڑ ہیں] 1۔ کافی زیادہ 2۔ تہوڑا زیادہ 3۔ نہ زیادہ نہ کم 4۔ تہوڑا کم 5۔ بلکل بھی نہیں 6۔ کبھی پٹوار سنٹر نہیں گئے | F20 |
| [شمار کنندہ: آپشنز پڑ ہیں۔ اگر جواب دہندہ جواب نہیں جاتنا تو 888 لکھیں اور اگر جگہ پر اس کام کے لیے نہیں گئے یا لاگو نہیں تو N/A لکھیں] آپ نے کنٹی بار درج ذیل کا چکر لگایا ہے: سال میں کنتے جکر ؟ 1. نہیں اور اگر جگہ پر اس کام کے لیے نہیں گئے یا لاگو نہیں تو N/A لکھیں] 1. نہیں اور اگر جگہ کی ہے؟ 1. نہیں اور اگر جگہ کی ہے ہوں اور اگر جگہ کر کیے؟ 1. نہیں اور اگر جگہ کی ہے ہوں اور اگر جگہ کی ہوں اور اگر جگہ ہوں اور اگر جگہ ہوں اور اس کام کے لیے نہیں گئی ہوں اور اور اور اگر جگہ ہوں اور اس کام کے لیے نہیں اور اور اور اور اور اور اور اگر جگہ ہوں اور | F21 |
| پٹواری سے دستاویزات کی تصحیح کے لیے | |
| ب نہیں جانتے =888 ب دینے سے انگار =999 سوال جواب دہندہ =N/A لکھیں یا خالی چھوڑ دیں | جواد اگر ، |

| | | | | | | | | کورٹ راستہ PIDE سروے | ريونيو |
|---|---|------------|-----------------|------------------|---|------------------|-------------------------------------|---|--------|
| D | D | تاريخ (دن) | عدالت کی قسم | عدالت کا مقام | | | سروے نمبر | | |
| | | | | | 1 | نجویز کرنا ،] | وئى بېتر ى ا ئتصر أ لكهير | کیا آپ اراضی ریکارڈ سنٹرز میں ک چاہیں گے؟ [شمار کنندہ: نجاویز مذ | F25 |

يكشن G: سفر كا وقت اور لاكت]شمار کنندہ: آپشنز پڑ ہیں۔ اگر جواب دہندہ جواب نہیں جانتا تو 888 لکھیں اور اگرجگہ پر نہیں گئے یا نہیں ملے تو N/A لکھیں۔ اگر بیسے خرچ نہیں ہوئے تو 0 لکھیں۔] آپ نے کتنی بار درج ذیل کا چکر لگایا یا ملاکات کی اوران پر کتنے پیسے خرچ کیے: 4. اوسطاً انتظار كتنا كرنا 3. سفر ميں اوسطاً 2- پچھلے 1 سال 1- پچھلے 1 سال میں وقت كتنا لكًا؟ پڑا؟ اوسطأ كُتنى رقم خرچ كى؟ میں چکر؟ گھنٹے گھنٹے منٹ منٹ دن دن پٹواری 1. رویے گرداور قانونگو 2. روپے G13 نائب تحصيلدار 3. روپے 4. -121. رویے سٹنٹ کلکٹر / اسسٹنٹ کمشنر (اے سی) 5. رو<u>ی</u>ے ڈپٹی کمشنر (ڈی سی)/ ایڈیشنل ڈپٹی б. روپے نُنر ریونیو (اے ڈی سی آر) كمشتر روپے 7. بورڈ آف ریونیو (بی او آر) 8. روپے کل وقت: کل وقت: کل چکر : کل روپے: [شمار کنندہ: آپشنز پڑ ہیں۔ اگر جواب دہندہ جواب جگہ پر نہیں گئے یا نہیں ملے توخالی چھوڑ لکھیں] مندرجہ ذیل سے ملنا یا ان کا چکر لگانا آپ کے لیے کتنی پریشانی کا باعث بنا؟ 5۔ انتہائی ذہنی اذیت ۲- بلكى پريشانى 3- نا زيادە نا كم پريشانى 4- بېت پريشانى 1. كوئي پريشاني نېيں بٹوارى .2 گرداور قانونگو 5۔ انتہائی ذہنی اذیت 4۔ بېت پريشانى 3۔ نا زیادہ نا کم پریشانی 2. ہلکی پریشانی 1. كوئي پريشاني نېيں 5۔ انتہائی ذہنی اذیت 4۔ بېت پريشانى 3۔ نا زیادہ نا کم پریشانی 2۔ ہلکی پریشانی 1۔ کوئی پریشانی نہیں نائب تحصيلدار 3. تحصيلدار 5۔ انتہائی ذہنی اذیت 3۔ نا زیادہ نا کم پریشانی 2۔ ہلکی پریشانی 1. کوئي پريشاني نېيں 4۔ بېت پريشانى 4. اسستنث كلكثر/ اسستنث 5. 5۔ انتہائی ذہنی اذیت 3. نا زیادہ نا کم پریشانی 2. ہلکی پریشانی 4۔ بېت پريشانى 1. كوئي پريشاني نېيں G16 کمشنر (اے سی) ڈپٹی کمشنر (ڈی سی)/ ایڈیشنل ڈپٹی کمشنر د نا زیاده نا کم پریشانی 4. بېت پریشانی 5۔ انتہائی ذہنی اذیت 2۔ ہلکی پریشانی 1. كوئي پريشاني نېيں б. ریونیو (اے آدی سی آر) 7. اراضی ریکارڈ سنٹر 5۔ انتہائی ذہنی اذیت 4۔ بېت پريشانى 3۔ نا زیادہ نا کم پریشانی 2- ہلکی پریشانی 1. كوئي پريشاني نېيں كمشئر 5۔ انتہائی ذہنی اذیت 3۔ نا زیادہ نا کم پریشانی 2. ہلکی پریشانی 1. كوئي پريشاني نېيں 8. 4. بېت پريشانى بورڈ آف ریونیو 5۔ انتہائی ذہنی اذیت 4۔ بېت پريشانى 3۔ نا زیادہ نا کم پریشانی 2- ہلکی پریشانی 1. كوئي پريشاني نېيں 9. (بی او آر)

| 888= | جو اب نہیں جانتے |
|-----------------------------|---|
| 999= | جواب دینے سے انکار |
| =N/A لکھیں یا خالی چھوڑ دیں | اگر سوال جواب دہندہ پر لاگو نہیں ہوتا ہے |

7

A2. SurveyCTO

| Field | Question | Answer |
|---------------------------|--|---|
| data (maximal) | 4,6 | |
| anum_same (mouned) | المحل الماد الا الم | 220 Mohammad Alzai |
| | | 221 Zahid Lalord |
| | | 222 Frysl table 223 Arrid |
| | | 224 Nuclis |
| | | 225 Abdul yar |
| | | 777 Others |
| anum_other (required) | و ا کرد بیار کی رسانیا کرد | |
| | Quantition relevant where selectes((genum_name) . 777) | |
| tree (required) | الارشان کے (دوار | |
| try't pequived? | مترور بنا تشروع في وجه (الوشتان 1) | د ها طن این بورک بینی دیا کودان ۱۰ - ۲ |
| | Quantitate reliancest when: S(trian) >1 | ر کے گھر، آل ساعد شروع جانے |
| | | والرغي |
| | | ت د وای گرده می هران نبر. ما |
| | | ورسادوني فرده سرحران الا |
| | | 100,000 |
| | | 777 Ju |
| try2 (mpanel) | مورد شورغ الد البراني في و هد (البرشان 2) | ساط طور سے عوالہ انہیں این کلم ذاتہ ا |
| | Question /slievant when: Spring >2 | ، کے کلمہ کی سالطہ انروع ہوئے |
| | | والى أنفيه . |
| | | ې د د دې کې وې سرې کو کې د |
| | | The second second second |
| | | ور بات برانے کی رہا ہے کر اور انہر سا |
| | | TT Ja |
| try's (required) | مرد ب الزرج - الزرج علي رود (الرقش 1) | محاطبانى بوابانى بالونام . t |
| | Quantities relevant where: School >3 | ر کی خص کی ساحد ترزح ہتے |
| | | د التر تعن أ |
| | | ت الدبولي طي وهاد سي هوالد الهن. 2 |
| | | |
| | | ورت د ولي قر وه مي حر ^ي 3 |
| | | 100 ani 1777 Ani |
| ky4. (required) | مرد ب الرض الراجه الأرض الراجه الأرض الر | |
| ythe tuning | Quantum relevant when: Stitled H | حاظ علیہ سے جز ابنا کیں ایا کیردار۔ ۔ 1 راقبے طور اگر حماجت انور ع اوالی |
| | and the second sec | ر سے سال میں منام ہوتے رائی تھی |
| | | ت د بربی ای رب سے حراب نیں الا |
| | | 100 |
| | | يردب دردي کي ريد سي هران 3 |
| | | نير با |
| | | 777 Ju |
| try5 (required) | مور به تورع در الرئيس على وهو. (الرئيس) (B) | سط عليہ نہے ہو کب نہيں ديا البرداد ٣ |
| | Question minuted when: 3(minu) >8 | ر کے کبرر کی مساعد ترزح برنے ۔ د |
| | | د فر این از این از این |
| | | ت د برایی طی ده سی جراب این . این |
| | | ورساما ہونے کی رہا سے جراب ال |
| | | la se |
| | | TT Ju |
| survey_namber (required) | 1 A.M. | |
| court_hication (returned) | d stipt number plat to tal a | فبناد لادستر (1 |
| | | 2.202 |
| | | فرت ردید فتن و |
| | | فسرر شير اله |
| | | 8 |
| | | 15 /+ |
| court_type (required) | . ماند کر قبو | 1 (1100 000 - 210 |

| Field | Question | Answer |
|---|--|--|
| | | المشر 2 |
| | | ئىلى كىتبر(تار. س) 3 |
| | | پی اور |
| | | 0 |
| | | سلنٹ کلکر / استثن کیشنر (^ر ے سی) 5 |
| | | تحسيلتان 6 |
| | | ناب تصيدار 7 |
| nobe_1 | حو ا انہ ہے ، می بیار پائیٹان انٹی ٹوٹ آہا ڈولیٹٹ افتانی کے ایک مطق کی صلح سے پائیٹار کی رو ہو حالتی کے پارے جی مطرحات لائھا کرنے کے لیے ایک سرے کر لے ایا ہن ہم خاص طرد پر ایر سر عائی اطلاع کی زخان کی ہیڑی پر ذرحہ ہے رہے ہی ج کے انہر کا ذاہر استعمار کر ہے کے ایکی کے لیے قصف سرک کی علقان کو طال ایر بیٹر طرر یہ جل کرنے ہے ساد کرنے گی۔ ان سرے | |
| consent_note | اپ جو بھی معلومات ہملے سلنے شیئر کرتے ہی وہ طب ہی اور اس کا انٹر تک یا شاتع ہیں کہ جاتے گا۔ اپ کے نئر کی جگہ ہر پاک ہے تر قید نمیں طریعی گروں گے تلکہ اپ کی تشاعلہ معلوط رہے۔ اپ کو اس مرورے کو طریعے سے ایکار کرنے کا حل ملسل ہے اور اگر مرورے گے دوران ، کسی بھی وقتہ اپ اس سرورے کو طن کرنا چاہتے ہیں تو اپ کو | |
| | ایما کرنے کا بھی ہوار ہے۔ آپ کر یہ ہوا بھی ھاصل ہے کہ آپ مجھ سے ان مطرمات کر دربارہ تدرانوں۔ | |
| consent (required) | کیا ہم سروے شروع کو سکتے ہیں؟ | 1 de |
| | | نيس 2 |
| no_consent (required) | -روے نے کی رجہ کا تیں ? Question relevant when: solicited(\$(consent) , "2') | بکار کر دیا گونگہ عاقت سے جاتا ۔ 1 تیا |
| | | ائر کر دیا کودناہ ان کے کیس کی ۔ 2 سماعت شروع ہونے رائی تھی |
| | | ہ نہ ہونے کی وہہ سے ہواب نہیں۔ 3 دیا |
| | | روٹ نہ ہونے کی رہد سے ہواب ہا ۔ نوں نیا |
| | | بلر 777 بلر |
| no_consent_o (/equired) | ومساهد کری | |
| | Question relevant when: selected(\$(no_consent) , 777) | |
| sunning | | |
| Group relevant when S(consent) note_RO | ا = اس سے پہلے کا میں مزر ہے قررح کر رن میں اس بلت کر سمجھنا چاہرن گا کہ مروے کے سرالات میں جب میں روانو الیمرز کا الط استعمل کرتا ہیں تر | |
| | موا مطلہ او چان لوگ ہو: تالہ تعمیلار ، تعمیلار ، اسٹٹ کلال ، انٹرک کلالز اور کنٹر میں اپ کر یہ بھی بتنا چیرں گا کہ اپ کر مرے سور انر کی طرف سے سروے کی تعمیلات کی تعمیل کے لیے اون کل موسول بوسکل ہے یہ عمرف کو لگی انٹرویش کے طعب کے اپنے برگا جان پر آپ سے کچھ سرالات ہونار ، پرچھی گے ، | |
| نائر محرمات × Harvey | | |
| A1 (required) | ور اب بعد کانتر | |
| A7 (required) | آپ کا جنن کیا ہے 1 | 1 AL |
| | | 2 41,9 |
| | | |
| | | 777 Ju |
| A2 (required) | آپ کن میر کائن ہے 1 | 111 54 |
| | 688 = Don't know <ter>999 = Refused</ter> | |
| A2 (required) A8 (required) | | گهر شکن نین و نی |
| | 688 = Don't know <ter>999 = Refused</ter> | |
| | 688 = Don't know <ter>999 = Refused</ter> | گهر شکن نین و نی |
| | 688 = Don't know <ter>999 = Refused</ter> | کیر شکر ہیں والی گالی شدہ 2 |
| | 688 = Don't know <ter>999 = Refused</ter> | قىيىشلەر تېن بولى قانورىشە 2 خلاق شام 3 |
| | 688 = Don't know <ter>999 = Refused</ter> | کیپی شادر نین برای کانی شده کانی شده کانی شده مراز شرا بیره رازش |
| | 688 = Don't know <ter>999 = Refused</ter> | کیمی شاعر دیں یونی 1 کنابی شد 2 ملکی شد 3 مور ارتثرا 4 هور شای شد 5 |
| A8 (required) | 888 + Don't Anow 4n 7999 = Refused لي 3 | کیم شاعر ہیں درس ترین عدہ ترین عدہ ترین عدہ مور شاہر ملازہ مورف بیے ہے تکار 1999 |
| A8 (required) | 888 + Don't Anow 4n 7999 = Refused لي 3 | کیمرشلتو نیس درانی کاری شدہ کاری شدہ کاری شدہ کاری شدہ کاری نیچے سے تکار کاری کاری نیچے کاری نیچے |
| A8 (required) A3 (required) | ی کور تر کر جہت کی ہے ۲ اپ کی تر در کی جہت کی ہے ۲ اپ کی تر در کی جہت کی ہے ۲ کیا اپ مجھے اپنا شناخی کار تر جس جا سکتے ہیں؟ شناخی کار تر جس جا | کیمرشلتو نیں وہی 1 تائی شہ 2 ملکن شہ 3 یورا رنڈرا 4 عرف بیے ہے تائر 1999 مل 1 بیل 1 |
| A8 (required) A3 (required) A_3 (required) | 888 + Don't Know Ant >999 + Refused اپ کی (دراخی جیفت کیا ہے '' اپ کی (دراخی جیفت کیا ہے '') کیا پ جمعے اپنا شاختی کار(سور بنا سکتے ہیں'') کیا پ جمعے اپنا شاختی کار(سور بنا سکتے ہیں'') کیا پ جمعے اپنا شاختی کار(سور بنا سکتے ہیں'') کی در مواد معامل کار(سور بنا سکتے ہیں'') جوب بینہ کی سابق کی در اس وہاں دائیہ کری اور سے وہاں دائیہ کری ہو اسے دوباں دائیہ کری ہو کر سے دوباں دائیہ کری ہو اسے دوباں دائیہ کری ہو کر سے دائیں دائی ہو کر سے دوباں دائیہ کری ہو کر سے دوباں دائیں دائیں کری ہو کر سے دوباں دائیہ کری ہو کر سے دوباں دائیں دوباں دائیں دوباں دائیں دوباں دائیں دوباں دائیں دائیں دائیں دائیں دائیں دائیں دائیں دوباں دائیں دائیں دوباں دائیں دائیں دائیں دوباں دائیں دائیں دوباں | المیر شاعر دین دربی 1 الاین الدی 2 الاین الدی 3 الاین الدی 4 الاین الاین 4 الاین 1 الاین |
| A8 (required) A3 (required) A_3 (required) A_3_1 (required) A4 (required) | 888 + Don't Know اپ کی (دراهی جیئت کی) ہے ' پ کی (دراهی جیئت کی) ہے ' پ کی (دراهی جیئت کی) ہے ' یہ کی ایس حصوبے اپنا شاخلین کار (حسور بنا سکتے ہیں'') کی) اپ حصوبے اپنا شاخلین کار (حسور بنا سکتے ہیں'') یہ کی ایس حصوبے اپنا شاخلین کار (حسور بنا سکتے ہیں'') کی اپ حصوبے اپنا شاخلین کار (حسور بنا سکتے ہیں'') Question relevant when: solocted(\$(A3), '1) حصوبے دینا کی در دسے دیراہ دیایہ کی در ایس دینا، کے اپ حصوبے لپنا دیران سے دیراہ دیایہ کی در ایس دیراہ سے دیراہ دی در سے دیراہ دی دی ایس کے ہیں'' Question relevant when: solocted(\$(A3), '1) کی ایس حصوبے دینا ہے ہوں کا دی در ایس حصوبے پنا دی | کیم شادن نیں دیار 1 تائی شدہ 2 ملاق شدہ 3 مورا رنڈرا 4 مورا بنیے ہے تکار 1999 بیل 1 نیں 2 |
| A8 (required) A3 (required) A_3 (required) A_3_1 (required) | 888 + Don't Move آب کی (درامی جیئت کی) ہے ؟ ۲ یکی (درامی جیئت کی) ہے ؟ ۷ یکی (درامی جیئت کی) ہے ? ۷ یکی (درامی جیئت کی) ہے ? ۷ یکی (درامی جیئت کے جائی ڈیلی کی) (درامی کی) (درامی جیئت کی) (درامی کی) | المیر شاعر دین دربی 1 الاین الدی 2 الاین الدی 3 الاین الدی 4 الاین الاین 4 الاین 1 الاین |

| Field | Question | Answe | r i i i i i i i i i i i i i i i i i i i |
|------------------|---|-------|---|
| A5 (required) | اب کی نظیر قانی ہے ؟ | 0 | یل جاءت کے |
| ACCENTER OF A | | | يېلى جماعت |
| | | | الرسرى وساعت |
| | | | تيبرى ببناعت |
| | | | ورتهی جداعت |
| | | | يتورين مدامت |
| | | 6 | يومله در م |
| | | 7 | سالوان عرجه |
| | | 8 | الهوى كارية |
| | | 9 | نوين جناعت |
| | | 10 | مېقر کې |
| | | 11 | التر موليت. |
| | | 12 | ريجويث (ايم بن بن ايس (الله ايل بن |
| | | 13 | ایوار اایولیں بالی سے اوپو |
| | | 14 | پېت. رو ت تاپلرم. |
| | | 15 | رسمی تعلیم حاصان نہیں کی گئی ایکن |
| | | | بنے اور لکھنے کے بارے میں جاننا این |
| | | 16 | the sea |
| | | 17 | اسالول میں کلیفی نیس گیا |
| | | 888 | مغاورتيين |
| | | 999 | ہوات بیتے سے انکار |
| A6 (required) | اب کی مائز دن کی حوارث کیا ہے 1 | 1 | سرکاری ملازم |
| | andoct all that negoty | 2 | ـ الدان . مالارن طالب |
| | | 3 | سے روز گاڑ |
| | | 4 | د ان ی کلرویل |
| | | 5 | بذف خر |
| | | 6 | پر انہویت ملاز غت |
| | | 7 | ر پندره |
| | | 777 | Ĵщ. |
| | | 888 | ھراب نہی جانے |
| | | 999 | ور تې نولۍ س _ک ترکز |
| A6_o (required) | یو ادکره دیگر کی وسلمت کردی Question relevant when: solicited(\$(A6) , '777') | | |
| A12 (required) | اب کالرد کاری | | |
| | Answer should be between 1 and 22 Question relevant when: selected(\$(A6) . 7) | | |
| A9 (required) | اب کی مازیت کی جڑینا کیا ہے؟ | | |
| | ecospation-shr#88 = Daint Innex shr#99 = Relused Question relevant when: selected(\$(A6) , '1') or selected(\$(A6) , '4') or selected(\$(A6) , '5') or selected(\$(A6) , 777) | | |
| A10 (required) | تي ک در اطلا کې مگ غار اين 868 = Dorit Now -dor/1999 = Refused Outersfor relevant when: selected(\$/A6) .11 or selected(\$/A6) .41 or selected(\$/A6) .161 or selected(\$/A6) | | |
| A11 (required) | م مراجع المستعمد مستعد من المراجع المستعدمة عليه من) من مستعدمة والمستعدمة عليه من من مستعدمها عليه من أب كل مقلد أستع | | 31.4 |
| | select unit of measurement | | 451 |
| | Question relevant when: selected(\$(A6) , 1) or selected(\$(A6) , 4) or selected(\$(A6) , 6) or selected(\$(A6) , 7) or | | |
| | aninclud(\$(A6), 777) | | کرنی پیسہ خرج نہیں پرا / کچھ نہیں |
| | | | ایگر (لاکو سے اورام) |
| | | | ھوالبا نہیں جانئے |
| | | | ہوتیہ دیتے سے انگار |
| Att_c (required) | ليه کې مېټه اندنې کار داران د دردې مې کې دی. Ouestion relevant wher: solected(\$(A11), ١٩) | | |
| Att_I (required) | ل کې د د د د د د د د د د د د د د د د د د | | |
| | Question relevant when: selected(\$(A11) , 2') | | |
| A11_a (required) | اب کی مشاہد انسانی از ہونے زیرانے میں کار ہے؟ Question nelevant when: selected/ S(A11) . '3') | | |
| A11_o (required) | اب علی مایانہ انسانی روپے موں کیا ہے؟ پورٹ رام نگیوں۔ Okuestion relevant when: sedected(\${411}, 1777) | | |
| A13_v //equited} | اليو على اربيش 10 مالال أصد على الي 1 868 = Den't Innow «2017-909 = Flaff.seed | | |
| A13_t (required) | تي کې رونتر کې نصبي کا يې ۶ 888 = Don't Arrow Arr/>369 = Palvasid | | |
| A13_d (required) | اب کی ریانل کا سلع کیا ہے؟ | | |

| Field | Question | Answer |
|------------------------------|---|---|
| | 888 = Don't know br/>999 = Refused | |
| checkpoint (required) | الواجو المانينية، الت يتهن مرجود التي T DO NOT READ ALOUD | يىل 1 |
| | DU NOT REPORTED | يين 2 |
| Griep relevant when \${creed | tornal we | |
| BOTORY No > Palle -= Sile | | |
| B14_v (required) | ستار بد ستیداد کس عائد ایند نگاری میں ہے ? | |
| | 888 = Don't know by/>999 = Refused | |
| B14_t (required) | ملتز عد جانبا کان تحسیل میں ہے؟ 888 = Don't Know <2n/>-999 = Refused | |
| B14_d (required) | ملتاز عد جانباد کان ضلع می ہے ! | |
| ware to be to be | 888 = Don't know 4x/>999 = Refused | The Dava |
| B15 (required) | متنز به جاینهٔ کا رقبہ کلی ہے؟ select the unit of measurement | 1 34/ 2 34 |
| | | يرك 3 |
| | | مراب نین جللے 888 |
| | | ہواب نیلے سے انگار 1999 |
| B15_a (required) | ابلاًز جي منتاز عد جانيداد کا رقبہ گيا ہے؟ | |
| | Question relevant when: selected(\$(B15) , '1') and not(selected(\$(B15) , '999')) and not(selected(\$(B15) , '888')) | |
| B15_k (required) | کلل جن منتز به جاود کا زقہ کو ہے 1 | |
| B15_m (required) | Question relevant when: selected(\$(B15) , '2') and not(selected(\$(B15) , '999')) and not(selected(\$(B15) , '888')) * مرف من الذر عنه مال ال | |
| B 10 In (wdneed) | Ovestion relevant when: selected(\$(B15) , '3') and not(selected(\$(B15) , '999)) and not(selected(\$(B15) , '888)) | |
| B16 (required) | روانی اور این میشود. این از دری اروانی و معنی و دری و میشود. این در این میشود میشد کی ادرا استین کاری ا | Att 1 |
| | select the unit of measurement | 2 457 |
| | | عرب 3 |
| | | کرنی پیسہ خرچ تین بر 1 / کچھ نیں ۔ 4 |
| | | بولر (الم سے قبر رض) 777 |
| | | جراب نہیں ملتے 888 مار نے مالا مح |
| B16_c (required) | سلار سے مالیات کی انداز ا سایت کا رزاری روپیے سی کیا ہے؟ | ہراب بنے سے نائز 999 |
| D to"c tradition) | Question relevant when: selected[\$[816], '1') and not[selected[\$[816], '999']) and not[selected[\$[816], '888']] and not[selected[\$[816], '4']) | |
| B16_I (required) | مقتل مد جانبته کې النارا حالیت کاکهوري روینے میں قبار سے ۲ | |
| | Question relevant when: selected(\$(B16) , '2') and not(selected(\$(B16) , '999')) and not(selected(\$(B16) , '868')) and not(selected(\$(B16) , '4')) | |
| B16_a (required) | منتاز سا حقیقہ کی ادار آ حالیت تریوں روپے میں کیا ہے ^و | |
| | Question relevant when: selected(\$(B16), '3') and not(selected(\$(B16), '999')) and not(selected(\$(B16), '888')) and not(selected(\$(B16), '4')) | |
| B16_o (required) | مانت : معالیت رویے میں کیا ہے؟ پر رو درام ڈائیوں۔ مانت مہ مالیت رویے میں کیا ہے؟ پر رو درام ڈائیوں۔ | |
| | Outstion relevant when: selected(\$(B16), '777) and not(selected) \$(B16), '9997) and not(selected(\$(B16), '889)) and not(selected(\$(B16), '4)) | |
| B17 (required) | آپ سنڌڙ ڪار جي کار گئي ڪمند کے ليے استعمل کرنے کا از اندر کھتے ہي؟ | فررہت کے لیے زرعی تصلین اگانا 1 |
| | select al that apply | دلی استعمال کے لیے زر می انسلی ۔ 2 نگل |
| | | مزدوری کے لیے موہش پائنا جیسے 3 |
| | | یل چکنے اور ایپشی رغورہ کار کہ ایک ایک کار |
| | | علیانے کے لیے مریشی پاتا جیسے ۔ 4 دودہ یا گرٹنٹ رغیر م |
| | | چېل چېنې معنو منه کې تريمه - 5 مړينې پليا |
| | | سویسی پید. میں زمین بنچ درن گذار 6 |
| | | ی لیے اپنے ذکر استعمال کے لیے۔ 7 |
| | | نگان یا سکان بلکنے کیے لیے استعمال کاروں بالد |
| | | حرا سے کرانے کے لیے زحوا کے 8 ((لینڈ) کی صورت می گرانہ پر برن گا: |
| | | یں د۔ کیپٹر بڑی، گائی رغرہ کے لیے۔ 9 |
| | | زر عن آبز (تبینک) کی شکل سی کرانے پر نوں گا - |
| | | کوہ نہ کرو / اسے جسے ہے جھڑ۔ 10 انر |
| | | |

| Field | Question | Answer |
|--|---|-------------------------------------|
| | | السے میرے کمبر والوں پر جنول سر 11 |
| | | رين والي زمين 12 |
| | | بارتی طاعد کے لیے استعمال کاریں۔ 13 |
| | | 717 Jui |
| | | مراب نين ماني 888 |
| | | مراب بیلے سے انگار 1989 |
| B17_o (required) | و اد کرد جار کی رهنده کردی | 100 Jun C. Co. 4 M |
| عار بر کی ترخت x - 4 (Suppry) | Question relevant when: selected(\$(817) . '777') | |
| | کیا آب مدعن ہیں یا مدعات ۹ | THE RESIDENCE |
| C18 (required) | دید دی مدمی بین و مدهمید. شیهار کنده: ایشدیز بژهمی | مدعن 1 ساب 2 |
| Second March 1996 | | |
| C 19 (required) | آپ کیے تناز ج کی تر میں کیا ہے ! سطار کیندہ: آینسنر بڑھیں | منيتاي 1 |
| | المعادر المعادر الرقاص | غموم <u>2</u> |
| | | ورهت 3 |
| | | 4 340 |
| | | ہے۔خلی 5 |
| | | 777 Jei |
| C19_o (required) | ير اختر جيار علي وسنص خرين Question relevant when: selected(\$(C19) , "777) | |
| C20 (required) | Constant relevant when assected (S(C19), 777) ای کے قر ہے کی کہت کر لے | التدلي طلب اً 1 |
| Cat hadmined | ہو سے سر ہے ہی بوجہ ہو سے : اسمار کندہ / یشدر بڑھیں | |
| | | فیمنڈ کے علاقہ ایل 2 |
| AND IN THE REAL PROPERTY OF | and the second se | 777 S.e |
| C20_o (required) | ير ان کر د سِرَّار کي رست کردن Question nelevant when: selected(\$(C20) , '777) | |
| C21 (required) | طب الروتي للنا عرف وا بي ا | 1 1 |
| | solect the unit of measurement | 2 ملية |
| | | 3 (4 |
| | | م د |
| | | 5 J. |
| | | |
| | | کری رات نین تاک 6 |
| | | ہراب نہی ہائے 888 |
| | | ہو اب تیلے سے ^ر کار 1999 |
| ہ کی ترعیت > - (1) < - کی ترعیت (1) - Group relevant when: not/s | راية wilected(\$(C21) , 1999)) and not(solected(\$(C21) , 1888)) and not(solected(\$(C21) , 167)) | (Repeated group) |
| C21_time (required) | س پر قرص (Inne_name) بقت کو دان برنے کلنا عرف بوا ہے؟ وول | |
| C22 (required) | اپ کر اپنا کیں انٹر کرنے کے لیے درکار سلومات جس کرنے درکار سلومات جس کرنے میں کلنا رقت لگا؟ | 1 24 |
| | soluct the unit of meancrement | المتے 2 |
| | | 3 0 |
| | | |
| | | 4 ==== |
| | | سل 5 |
| | | کاری رقت تیس ڈگا 🗧 |
| | | جراب نيس هانلے 888 |
| | | ہر اب بینے سے انگار 1999 |
| ه کړ تر ښت > - (1) < - ≤ survey | | (Repeated group) |
| | elected(\$(C22) - '9997) and not(selected(\$(C22) - '8887)) and not(selected(\$(C22) - '6')) | |
| C22_time (required) | س پر کردن (Sneinto_name) نہ کر اینا کریں بانز کرنے کے لیے برگار مطرمات جمع کرتے ہی کانا وقت (Tri جراب | |
| C23 | اب سی جاہزی گا کہ اب مجھے وہ تن ایم سز گر دیش بنائی جن پر اب نے کہی کے لئے مطرحات اللہ کرنے وقت سب سے زیادہ وقت لگھا: م | |
| C23_1 (required) | ستر 1 سر کر سے حتی پر آپ سے رفت لگیا۔ write 0 if did not spend any lime on any activity 4br/388 if don't know | |
| CZ3_2 (required) | سر 2 سرگرمی جس پر آپ نے رفت لگی۔ | |
| C23_3 (required) | write 0 /f did not spend wry lime on any schirtly bir>888 if don't know اس 3 سر 3 سر غربی این نے بات کاریا | |
| | write 0 if did not spend any time on any activity br/>>888 if don't know | |
| C24 (mquired) | محر سات جنع کر نے وقت آپ سے کہا اور شامی مخصر ہی گریا۔ | لونى پريشلى نيون 1 1 مىلەر ج |
| | | بالى پريشلى 2 |
| | | نا زیلد نا کر پریشتی 3 |
| | | بت ريشتى 4 |
| | | |
| | | انتبانی نبنی انیت 🗧 |
| | | ھراب نہیں مائے 888 |
| | | |
| checkpoint2 (roquireat) | ۲ ₂ - ۲ - ۲ - ۲ - ۲ - ۲ - ۲ - ۲ - ۲ - ۲ - | ھراب نہیں مائے 888 |

| eld Question | | Answe | r |
|--|--|----------|--|
| 100032121 | | | |
| Group relevant when: Sjoheolg | o(nt2] = I | | |
| ۽ ٿي منٽ اور. لاگٽ < ۽ < ۽ < survey | | | |
| D22 (required) | ملامہ دائر کرنے کیے لئے کارن سی مطاویز ان بنوانی یا خاصل کرنی پڑی؟ ا | | الرجسائل |
| | شنمار كتبده ايشتر بزهين | | تىنىغلى كار3 |
| | | | پوليس من ايف الي از |
| | | | المرد ملكوت |
| | | | هنج بندي م |
| | | | خسره گردارری شهر دنمیت |
| | | | الدر بالدر معنی ادر بی مستورز اجمع نیون کی. |
| | | | یں جاتے ا |
| | | | ہوتی نیتے سے انگار ا |
| ر (1) - < دهان (1) - < دهان (1) - < د | مقصد دانر کارنے کی منت ا | | led group) |
| | elected(\${D22} . '999')) and not(selected(\${D22} . '888')) and not(selected(\${D22} . '8')) | | |
| D22_1 (required) | ملن 1 (doc_name1) کلنے عرضے من | 1 | |
| | soloci the unit of measurement | 2 | گیتے |
| | | | 04 |
| | | | ch- |
| | | | -U |
| | | | کری وقت نیس نگا |
| | | | ھواب نیس جانئے ا |
| | | | ھواب دیتے سے انگار ا |
| | (1) ー・スープライン (1) (1057) (1) and contradiction (5(072-1), 1057)) and contradiction (5(072-1), 1057) | licebeau | ing Buinb) |
| D22_1_final (required) | من پر کردن (threador, name) این (threador, name) من پر کرد (threador, name) این (threador, name) من پر کرد | | |
| D22_2 (required) | کی پر کری (connect) میں از connect میں از معامل میں از معامل میں اور میں اور میں اور میں میں اور میں اور میں ا کے لیے عظم نظر کیے علر پر اور میں زمان 100 (connect) کی لیے ک | 1 | <u>م</u> ن |
| | soloct the unit of measurement dri>travel time included both going and coming back. | | کینئے |
| | | | 2 |
| | | | |
| | | | |
| | | 6 | گرى رقت نېږى لگ |
| | | 888 | هواب انہی جانئے ا |
| | | | ہواب نہے سے انکار ا |
| | ماهد دان کردن کر سن از دانگ » | Repeat | (quorg bid |
| | (Confination) \$(2)22_2[, 1999]) and not/funicated[\$(2)22_2]; 19887) and not(solucited[\$(2)22_2]; 10)) | | |
| D22_2_final (required) | کے لیے منطقہ نظر کیے سار پر ارسفار آت (doc_name1) کے لئے اور ایس پر کریں (funeotice_name1) | | |
| D22_3 (required) | braver time includes both going and coming back. اینے گرے [doc_name1] منظر نظر سی ارسطاً تنظر نظار کی چپ | 4 | 44 |
| Construction of Construction | select the unit of measurement | | گیتے |
| | | | 9 . G |
| | | 4 | معنى |
| | | 5 | سال |
| | | | کری رات نین نگا |
| | | | هر ^س نېښ هانلے ا |
| | | | عواب دیتے سے لیکار ا |
| | ماسد کر کرنے کر مند کی الگذاہ ان اور اور محمد کر اور محمد کر اور محمد کر محمد کر اور اور اور اور اور اور اور اور اور او | (Hapen) | ang group) |
| | (selected) 5(022_3) . 1999)) and rol(selected) 5(002_3) . 1989)) and sonselected) 5(022_3) . V() | | |
| D22_3_final (required) D22_4_final (required) | س پر کرد۔ [timewait_name1] لیے گے؟ [timewait_name1] نیے کی اور اور میڈ نظر من رسٹا تنظر کنا کیا میں ایسے کے لیے مشقد نظر کے کتنے چکر نگے? [doc_name1] | | |
| www.a. instrumely | (doc_rusmin) / 2 2 2 4 2 and 2 3 2 and 2 2 and 2 2 and 2 4 2 and 2 2 and | | |
| D22_5 (required) | سلسل کرنے کے شے کلس رقہ خرج کی! [doc_name1] آپ نے | ेंत्र | کر وچ |
| | salect the unit of measurement | 2 | øSV. |
| | | | ~£ |
| | | | کرنی پیب خارج نیمی ہوا / کچو نیمی |
| | | | نیٹر (لکو سے کہ رام) ' |
| | | | ہوات نہی ہائتے ا |
| | | 999 | ہواب نیئے سے انڈز ا |
| D22_5_c (required) | جنسل قرم کے کی لئے گئی لئے گئی ہے کہ ان کر (راہے جن کھی (اور سے ایک ((راہے جن کھی ((ایس جن کھی ((ایس جن Question relevant when: selected (\$(D22_5) , '1) and not(selected (\$(D22_5) , '999)) and not(selected (\$(D22_5) , '8887)) and not(selected (\$(D22_5) , '47)) | | |

| eld | Question | Answer |
|--|--|------------------------------------|
| D22_5_1 (required) | حضن کرنے کے لئے کلو رفر مزج کر 1 لکو ریزے سے لکھی (غریبے مور لکھ ریزے کو 1 یک وری اور اور (doc_name 1) جسن کرنے Question relevant when: selected(\$(D22_5) , 23 and not(selected(\$(D22_5) , 3697)) and not(selected(\$(D22_5) , | |
| | '888')) and not(selected(\$(D22_5) , 4')) | |
| D22_5_a (miguined) | ماسل غرنے کے لئے کلی رام مرح کی * مرب رورے می لاھی (مرح کی * مرب رورے کی لاھی) Duestion relevant when: selected(\$(D22_5) , '3) and not(selected(\$(D22_5) , '9997)) and not(selected(\$(D22_5) , '888)) and not(selected(\$(D22_5) , '4)) | |
| D22_5_o (required) | ماسن ٿر نے کے لئے گئي تاريز اور فرز کر پر اور نوبر اور اور اور اور نوبر (اور اور اور اور اور اور اور اور اور ا Guestion relevant when: selected(\$(D22_5) , 777) and not(selected(\$(D22_5) , 1997)) and not(selected(\$(D22_5) | |
| D22_o_num (required) | . '888')) and not(selected(\$(D22_5) , '4')) ا جي ڪتي تي تيزينداريز ⁽¹⁾ هيچ ڪي آي | |
| | write 0 if did not collect any other documentsbir/s888 if don't know | |
| دت اري لاگت > + (1) < - < < survey | | (Repeated group) |
| Group relevant when: not(sele D22_o_1 (nequired) | داده (\$22, o_num) ، 1997)) and not(selected; \$(D22_o_num) ، 1888)) بر ۲۰ گردیمگر ستاریز ک کے نتیاتی | |
| | 888 = Don't know 999 = Refused | |
| D22_1_0 (required) | ملی: 1 [1_22_0] پ کر کلنے عرصے میں select the unit of measurement | 1 304 |
| | Question relevant when: not(selected(\$(D22, o_1), '999)) and not(selected(\$(D22, o_1), '888')) | 2 234 |
| | | 3 04 |
| | | 4 000 |
| | | 5 Ju |
| | | کرین رفت تہیں ٹگا ۔ 6 |
| | | مراب نہیں ملئے 888 در در درم |
| | La construction de la constructi | ھراب تينے سے ^ز نڌر 999 |
| $\operatorname{Halphy} P = P = P(1) + C(1) + C$ Group colorant when initial | AT 17 ニャール (2017) キャーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーーー | (Repeated group) |
| | میں پر گریں (binedoc_name1_offer) کی ہے جات (100 میں میں السین (10 م 10 میں میں ال | |
| D22_2_other (required) | کے لیے منطقہ نظر کے سل پر ایسان (2010) اور 2010 اپ کر کے لیے منطقہ نظر کے سل پر ایسان (دف کانا کہ 11_0 (2021) اپ کر | 1 4 |
| and a family the state of the s | select the unit of measurement-br/>/ravel time includes both going and coming bask. | 2 2 |
| | Question relevant when: not(selected(\$(D22_o_1) , '9997)) and not(selected(\$(D22_a_1) , 8887)) | 3 0 |
| | | 4 _4+ |
| | | 5 J- |
| | | کریز رفت نہی ڈگا 🗧 |
| | | حراب نہی ملتے 888 |
| | | ہراب بینے سے انگار 1999 |
| matrix $y \to x \to (1) \to (1) \to c$ | ماست بال الرقب الى منت ال الله | (Repeated group) |
| | Hictory \$(D22.2_other), \$9931) and not(selected) \$(D22.2_other), \$9891) and not(selected) \$(D22.2_other), \$61) | |
| D22_2_final_other (negulined | کے لیے مطلب اور کی لیے اسل اور کی ان کی لیے مطلب اور ایسا راف کی لگتا (1, 222_0 پار کی ا (Simeofficeother, name) ہی اور ایس اور کی ا tread time includes both going and coming back. | |
| D22_3_other (required) | الینے گریا (D22_0_1) مذہبہ، بھر میں ترسط انتظار کانا کیا جب | 1.44 |
| | select the unit of measurement | 2 جنے 2 |
| | Question relevant when: not(selected(\$[D22_o_1] , '999')) and not(selected(\$[D22_o_1] , '888')) | 3 0 |
| | | 4 سبنے 4 |
| | | - ال |
| | | کری رفت نہیں ٹگا 🗧 |
| | | جراب نيس حائلے 888 |
| | | ہوائہ جانے سے الیکار 1999 |
| $\max v a y \ge - b - \ge (1) \cdot v (1) \cdot v = 0$ | | (Repoilled group) |
| | include \$(2222_3_ether) \$9993) and notpeneted(\$(022_3_other), \$989)) and notpeneted(\$(022_3_other), \$1) | |
| D22_3_final_other prequired | لینے گیے! [10_2022] منطقہ نظر میں ارتبط انتظار کتنا کا مصرف ال | |
| D22 / feel after (marks in | اس پر کار ہے (Timewaitother_name1) سے پر کار ہے (2022 م) لیے نظر کر کار را (2021 ہے ک | |
| D22_4_final_other (required) | ی مر (17 کی) ایم کی ایم کی ایم کی ایم کی ایم کی کی ایم کی | |
| D22_5_other (required) | ماضل کرنے کے آئے کائی راہ جز پر کی" [1_0_2_5] آپ نے | 1 315 |
| | select the unit of measurement | 2 457 |
| | Question mievant when: not(selected(\$(D22_o_1) , '999)) and not(selected(\$(D22_o_1) , '888')) | هرب 3 |
| | | ني پيسه هرچ ٿين ٻوا (گچو ٿيون 🛛 4 |
| | | اعاكم (لاكله سے اللہ والم) 177 |
| | | ھواپ نہیں ھائلے 888 |
| | | 1999 يې نونې سور دون |
| D22_5_other_c (required) | ماصل کرنے کے لئے کش زام ہوج کر ۲ کردڑ دریے میں لکھن [1_0_202] کہ نے | |
| | | |

| | Question | Answer |
|----------------------------|---|---------------------------|
| | Question relevant when: selected \$(D22_5_other). '1) and not(selected(\$(D22_5_other). '9997)) and not(selected(\$(D22_5_other), '8887)) and not(selected(\$(D22_5_other), '41)) | |
| D22_5_other_1 (requered) | منسبلہ کرنے کیے لئی راہم مرج کی 1 لاکھ روپے میں لکھیں [1_0_20] اب نے | |
| | Question relevant when: selected(\${D22_5_other}, '2') and not(selected(\${D22_5_other}), '999')) and not(selected(| |
| | \$(D22_5_other) - '888')) and not(selected(\$(D22_5_other) - '4')) | |
| D22_5_other_a (required) | حاصل کرنے کے لئے کلی رام مرچ کی ! عرب روپے می لکھن [1_02_D22] اپ نے | |
| | Question relevant when: selected(\$[D22_5_other], '3) and not(selected(\$[D22_5_other], '999')) and not(selected(\$[D22_5_other], '888')) and not(selected(\$[D22_5_other], '4)) | |
| D22_5_other_o (required) | ماصل الزائے کے لئے گئی رام خرج کی " اور ان کوں [1_0_202] اپ نے | |
| | Question relevant when: selected(\$[D22_5_ather], 777) and not(selected(\$[D22_5_other], '999')) and not(selected(\$[D22_5_other], '888')) and not(selected(\$[D22_5_other], '4)) | |
| D23 (required) | مستاریز ان ماسل کردا آسان تها با ستانی ۴ | يت لنان 1 |
| | | النان 2 |
| | | د نین درستان او |
| | | 4 3.5 |
| | | ىيت شاق 5 |
| | | مراب تیں ملتے 888 |
| | | ہوت نہے ہے عال 1999 |
| D24 (required) | اب سے برج بلا سنزیز ک کیل سے حاصل کی ۲ | 1 JJA |
| 2 M 10 | soluci all that apply | فترن گر 2 |
| | | ۇتىنىرىكاركىش 3 |
| | | 4 Jan 1 |
| | | 5 juni |
| | | 777 54 |
| | | ھرات نہی ہاتے 888 |
| | | جراب بہتے سے انکار 1999 |
| D24_other (required) | او اد کرد جار کی وضاحت کردی | |
| | Question relevant when: selected(\$[D24] , 777) | |
| D25 (required) | اللها ستتريز ال حي علمين تهي؟ | 1 Je |
| | | ليس 2 |
| D25_A (required) | اب اپنے تساریزات سے کلنے مطبق ہی 1 | بلەق سىلىنى 1 |
| | | مطمئن 2 |
| | | د مکنن با غیر مکنن او |
| | | عين سلنتن 4 |
| | | بلكل عبر سلمان 5 |
| | | ھراب نیس ماننے 888 |
| | | ہواب بینے سے اناثر 1998 |
| hearing_set (required) | کیا او، کی ساعت کی تاریخ مقرر پر گی سے؟ | 1 Je |
| | | نيں 2 |
| D26_unit (required) | الرخوانستابطات دائر کارلے کے بعد کالنے عرصبے حق پیلی پیشی طور عراق؟ | 1 44 |
| | select the unit of measurement | گهنی 2 |
| | Question relevant when: not(selected(S(hearing_sel), 27)) | ەن 3 |
| | | 4 |
| | | 5 Ja |
| | | کری رقت نیس لگا |
| | | مراب نہی مانے 888 |
| | | ہوانہ دیائے سے انگار 1999 |
| survey > - > - > (1) - < : | محمد بار قرار ہے کہ دن inctra(S(D26_ unit) , '969')) and not(selected(S(D26_ unit) , '888')) and not(selected(S(D26_ unit) , '6')) and not(selected(| (Repeated group) |
| S(hearing_set) , '2') | in the second state and the second state and stat | |
| D26 (required) | یر غراستایطمہ دائر کرنے کے بعد کلنے عرصے دی پلی پیٹی طرز برلی؟ ان | |
| D27 (marked) | (timehearing_name1) المركز | |
| D27 (required) | اع ک مقصم کرد. این که می این که می این که معنی در این 1 888 = Don't Snow «Dr/>999 = Refused Ouestion relevant when: not/selected(\$/hearing_set), "27) | |
| D28 (/equired) | د به مرتب مارد د تریخ پر ساعت و تر ا کتی در تب مارد د تریخ پر ساعت و تر ا | |
| way trademant, | العني من من من المن من م | |
| D29 (required) | ر بر یہ مرتبع کی ہوتا ہے۔ اب کر اج یک نی مقدم کی رویہ سے کلی ہر ان ساقت اجاز کے چکی لگتے پر ان ساقت اجاز کے چکر لگتے ہیں۔ 1888 = Dont Inson echr/999 = Rehused echr/With U II never ment | |
| D30 (required) | 888 = 12011 Know <2017-9399 = Heltubed<2017-While 0 if never world پوینلے ایک سال میں سالت (نظر کے گئے چار تگے 1 | |
| | 888 = Don't Anow stor/1999 = Rohused-Stor/Write 0 if never want Question milovant when: not(selected (S(D29), V)) | |

| Field | Question | Answer |
|--|---|---|
| D31_unit (/required) | ్ _{లో} చె చెవ్.ఇ.సి. సీ.జ. సీ.స. _{ఎర్. ఎర్. స్.సి. స్.సి. సమ్ సమ్ సిమిని సి select the unit of measurement-both travel cost includes going to and leaving the court Question relovant when: not(selected) \$(D29). (0))} | ا کردی 2 ملاح 3 سرح 4 سرح دیس و این و ا (کوم دیس 777 (ارکو سے کو ری) 888 میکر و این م ال کوم دیس 4 میں مائٹے |
| D31_c (required) | ي هافت نغاز کي پر لگه بيد که بيد په دين تايين wave cost includes going to and leaving the cost Overstion relevant when: selected (\$(C31_unit), '1') and not(selected(\$(C31_unit), '399')) and not(selected(\$(D31_unit), '388')) and not(selected (\$(D31_unit), '4')) | یرت بنے سے انگر 999 |
| D31_1 (required) | ی معادی این جا یک این این این می این این این می این می این این این این این این این این این ای | |
| D31_s (miquined) | ي هالت (بغار کے چار لگے پر لگ بند کے جزب کتنا اور اے جب تکیفی است. Invoid cost includes going to and leaving the court Question relevant when: selected(\$(031_unit), '3) and not(selected(\$(031_unit), '999)) and not(selected(\$(031_unit), '880)) and not(selected) \$(031_unit), '4)) | |
| D31_o (required) | ير نگر هي کت ات ع * جرح کت ات ع * جرد کتابي رام تکسي three' cast includes going fo and having the coult Question relevant when: selected (\$Q31, unit), '7777) and not(selected (\$Q31, unit), '997)) and not(selected \$\[\begin{bmatrix} S[D31, unit], '887]\]) and not(selected (\$\[\begin{bmatrix} S[D31, unit], '1777)\]). | |
| D32_unit (mound) | + الات نظر التقرير الله المعاملة التكاملة ال eeliest the unit of measurement-britthavel bree includes going to and leaving the court Question relevant when: not(selected) \$(D29) , D3) | مان 1 مليتي 2 مان 1 مان 2 مان |
| $\operatorname{survey} \geq \cdot \geq \cdot \geq (1) - \varepsilon \widehat{\operatorname{uby}}$ | | (Repeated group) |
| Group milevant when: no D32 (required) | (selected \$1032_unit), 'B99)) and not(selected \$1032_unit), 'B88)) and not(selected \$1032_unit), 'B9)) الألاحة، إذا تحيي المحركة المحالية المحالية المحالية المحالية المحالية المحالية المحالية (Courtime, name)) معالي محالي مح towal time includes going to and leaving the court | |
| D32_9 (nequine) | کها آب مساعد میں لنجی کی دوم سے تبنی پریشان میں میک ہیں۔ Question relevant when: nol(selected/ \$/hearing_set) , ?)) | کرتی پرینٹی لیں 1 یکی پرینٹی 2 در زیند نا کم پرینٹی 3 4 برینڈی 14 88 جائے میں ایٹ 15 888 جراب نیم مللے 888 |
| D33 (/required) | ایہ نے اپنے کمن کی وجہ سے اب تک ترج انڈ جی سے گھا پر پر سے کھی پر چاہی ہیں۔ read the options | ملکس کورٹر ایس کار ری قیس 1 ایش رکل کی قیس 2 ایش رکل کی قیس 2 ایش حالت کا حلکالار کی کی منعت 4 از میر سے کس از میں بعد خرج 5 مور ایس تینے ملکے 888 موراب تینے ملکے 1999 |
| survey > - > - > (1) - < ∞AY | | (Repeated group) |
| Group milevant when: no D33_unit (required) | (selected(\$(D33) - 959')) and not(selected(\$(D33) - 777)) الإلى المحاصر ا select the unit of measurement-terr-travel cost includes going to and leaving the cosef Question relevant where not(selected(\$(D33) - 37)) | 1 3,5 2 موتا 3 مرب به 3 مرب به 4 مرب به (/ کوه ایس 1 777 ((کوه مرب کر (کاک مرب کر ایس 888 مرب ایس مانے 999 مرب بین میں انگر |
| D33_c (mquand) | اي دک ني هند سي ايک اور (دريچ س تکيي (دريچ مي تکي) يا وي دک ني هند سي ايک ني Ouestion relevant when: selected; \$(D33_unit), '17 and not(selected; \$(D33_unit), '999)) and not(selected; \$(D33_unit), '889')) and not(selected; \$(D33_unit), '4)) | Encoder of the second days |

| field | Question | Answer |
|---|---|--------------------------------------|
| D33_1 (required) | للل هري من الألوب (العلوماني من الألوب (العلوماني) عن الألوب (العلوماني) عن الألوب (العلوماني) عن الكام المراجع Question rolevant whon: selected(\$(033_unit), "2) and not(selected(\$(D33_unit), "999)) and not(selected(\$(D33_unit), "888)) and not(selected(\$(D33_unit), "47)) | |
| D33_a (required) | لی من ۲ جرب زیری می کمد (expenses_name) میں لیک (میں 2 جرب زیری میں کمد (expenses_name) میں لیک Question milevant when: selected \$(033_unit), 3) and not(selected) \$(033_unit), 999)) and not(selected) \$(033_unit), '888)) and not(selected \$(033_unit), 4)) | |
| D33_o (required) | ی ک تر بعد سر این کار (expenses_name) این در از نکوی (expenses_name) این ک تر بعد سر این (Question relevant when: selected(\${D33_unit}, 1777) and not(selected(\${D33_unit}, 1999)) and not(selected(\${D33_unit}, 1888)) | |
| olher_exp_num (required) | سرائے ان کے جن کا پہلے اش کیا گیا ہے اس کس کی وہ سے اپ لے گلنے این لخانات کیلئے ہی! write 0 if incurred no other expenses 2999 = relused to answer 497 = don't know | |
| $survey \geq \cdot \geq \cdot \geq (1) - < id\mathbb{T}_{d, i} \neq in$ | | (Repeated group) |
| | scled(\$(other_exp_num) , '9997) and not(selected(\$(other_exp_num) ,'8887)) | |
| other_exp_name (required) | کیا آپ سویسے ان امرانیت کے بنار ساتھے ہیں؟ 1999 = refused to answer <bor>888+ don't know</bor> | |
| D33_unit_other (required) | این کتنا شرود برا ^{رد} (obher_exp_name) ^ا ج تک اس طلب میں ایکا | 1 3.4 |
| | select the unit of measurement | 2 +51 |
| | Question relevant when: not(selected(\${other_exp_name} , '999')) and not(selected(\${other_exp_name} , '888')) | 3 4,6 |
| | | ن بېت خارچ تېلې يرا / کچو تېلې 🚯 |
| | | تباتر (تکو سے غرران) 177 |
| | | مراب نیس ماللے 888 |
| | | جراب بیتے سے تکار 1999 |
| D33_a_o (required) | کتا غربہ ہوا' جزت روپے می ٹانس (other_exp_name) 'ج تک تی عقب میں ایکا | and the provident of the Real of the |
| | Question relevant when: selected(\$(D33_unit_other) - '3') and not(selected(\$(D33_unit_other) - '999')) and | |
| and the Manual and | not(selected(\$(D33_unit_other) - 8887)) and not(selected(\$(D33_unit_other) - 47)) | |
| D33_c_o (required) | کتا خرب بر۲۱ کررژ دریے می لگون (other_exp_name) آج تک نی متحد می ایکا م | |
| | Question relevant when: selected; \$(D33_unit_other), '1) and not(selected(\$(D33_unit_other), '999')) and | |
| D22 L a formalization | not(selected(\$(D33_unit_other) - 8687) and not(selected(\$(D33_unit_other) - 47)) | |
| D33_I_o (required) | اکتا خرجہ برا؟ لاکھ روپنے می لیکھی (other_exp_name) اچ تک نے بقید میں لیکا | |
| | Question relevant when: selected(\$(D33_unit_other), 27 and not(selected(\$(D33_unit_other), 3997)) and | |
| Party of a Management | not(selected) \$(D33_unit_other) , 8687) and not(selected) \$(D33_unit_other) , 47) | |
| D33_o_o (required) | یر اشتاطریو او lother_exp_name) (چ تک این ملب سی ایکا در ا | |
| | يور مر ذم تكنين Question relevant when: selected(\$(D33_unit_other), "777") and not(selected(\$(D33_unit_other), "599")) and not(selected(\$(D33_unit_other), "888")) and not(selected(\$(D33_unit_other), "4")) | |
| D33_A (required) | اپ کر زیرتو علاق کے عند/کٹر کہ کی خلف میں یہ معارضات کی عقب کے لیے اثر ام کرنی پڑیں؟ 1999 – refused to answer <bor>888= don't know</bor> | |
| Washington and | Question relevant when: selected(\$(D33) ; 4) | La Louisses da |
| D34 (required) | کیا آپ اس تقصبے کی وجہ سے دندی پر پشانی میں میکا ہیں ؟ | کونی پریشلی نیس 1 |
| | | ېلكى پرېشانى 2 |
| | | تازيلەندگەرورىلىكى 3 |
| | | بت يرشني 4 |
| | | الليش بيل اليت 5 |
| | | مراب نیس ماللے 888 |
| | | ہواب نیلے سے انکار 1999 |
| D35_p (/equired) | کہا آپ کابھی کسی پادار ی سے ملے ہیں؟ | 1.44 |
| | | ليس 2 |
| D35_g (required) | کھا آب کمیں کسی تاریخ اور قانونگر سے علیے ہیں" | بان 1 |
| | | يېن 2 |
| D35_a (inquired) | که: آب کلیمی از اسمی ریکاردٔ سنان گلیے ہیں؟ | 1 Jy |
| | | يى 2 |
| D35 (required) | پائر ٹری، قانون کی اور از اسی ریکار ڈ سنٹر - ان تیتوں سی کرن سے عائر میں زیادہ اسانی ہے؟ | 1 334 |
| | Question relevant when: selected(\${D35_p}, '1) and selected(\${D35_g}, '1) and selected(\${D35_s}, '1) | والعلى ويكارة ستار 2 |
| | | گرداری قلون کی 3 |
| | م به م 5 س | رى لۇر گرداور مى زىلدانىلى 4 |
| | | ·2 |
| | | ی اور ارامنی ریکارڈ سٹار میں 5 |
| | | زيادہ آسانی ہے۔ |
| | | ىي ريكار ئاستان اور گردادر مىل 8 |
| | | (ياد أسلى ہے، |
| | | ىلونى ئېتى 7 |
| | | ھو ^ر ب نيون ھانٽے 888 |
| | | خواب دیتے سے ^و کار 1999 |

| Field | | Question | Answer | 6 |
|--------------------|---|--|------------------|---|
| 036 | 6 (hequired) | الیا اپ کے غیال می محکد مال کی حالت ممال افتراء مثلاً استقت کمانتر التصنیادار یا تاک المصیلدار سے ملاقت الدانی سے برجائی ہے † | 1 | يبت البان |
| | | 2 | ألبان | |
| | | 3 | د اسان د. ستناق | |
| | | | 4 | مت.N |
| | | | 5 | بيعث مشاقل |
| | | | 888 | اهراب تین حالتے |
| | | | 999 | و ل بنے سے دار |
| 037 | 7 (required) | ظیا آب کے خیل میں مقدم میں درکل اسٹاریز ات اور اکافاق کاروائی مناسب سے یا معرف سائلی کے وقت اور چسے کا ضباع ہے؟ | 1 | رف سروری کاندات ہے ملاقے |
| | | | | جائے ہی۔ |
| | | | 2 | و ضرور ن کا نفات مانگے جانے اس |
| | | | 3: | نہ سروری سے ت اور شرور ن |
| | | | 4 | ہروری کاروائی غیر شروری رجس سے سائلی ننگ ہوتے ہی |
| | | | 5 | صروری کاروانی غیر ضروری ، جس سے سائلیٰ لنالہ اولیے س |
| | | | 668 | مراب نہیں جانتے |
| | | | | چراب ایتے سے انکار |
| D36 | 8 (reigi.kred) | کا آپ کے خیل س ریزیئیر عدالت سے آپ کر انساف طے گا | | مجہے المیاف کا یقن ہے |
| 1000 | | | | مجھے تصاف کی انوا ہے |
| | | | | ر مغرر تیں کے انعناد ملے گا |
| | | | - 1° | ر سر بری دے میں اپنی اپنی ا |
| | | | 4 | معهبر الساف کی امید نیس |
| | | | | ہے بلن ہے کے نا تصافی برقل |
| | | | | مراب نین جالتے مراب نین جالتے |
| | | | | جرات بنے سے انکار |
| check | (point3 (/equired) | کیا جو اب اطلام اب بھی مرجو دیے؟ | 1.0 | |
| | | DO NOT READ ALOUD | 2 . | |
| | iroup relevant when: selected 3_unit <mark>(required)</mark> | ار احسن ریکار ڈسٹل کیے چکر کی (سط ^ی ا لائلت کائیں تھی) select the unit of measurement-bit/-bravel cost includes going to and leaving | 2 | کردز زکن |
| | | | | w.p. |
| | | | | ی پیسہ طرح نہیں ہو' / کچه نہیں |
| | | | | سِگر (لاکو سے کر رقر) |
| | | | | ھراب لیوں جانئے |
| - | | | 999 | ہواب بنے سے قائر |
| | 3_arab (required) | ار عسی ریکو 1 ستر کی چکر کی پاستا (کلہ کس نیں) کر سال کالہ کی نیں) کر دریاہے اس کر اور ایس کالی کی نیں) جن دریاہے اس کالاس Guestion relevant when: selected(\$[F3_unit] , 3') and not(selected(\$[F3_unit] , 5997)) and not(selected(\$[F3_unit] , '8867) and not(selected(\$[F3_unit] , 4')) | | |
| E | 3_crore (required) | تر میں ترکیل دستی کے چکر کی دستی کی کہ کی دیسی کر کر تر دی کے چکر کی دستی کی کہ کر رہے 'کر از ریپے سی تکھی۔ Question relevant when: selected (S/F3_unit), '1') and not(selected(S/F3_unit), '9997)) and not(selected(S/F3_unit), '8885)) and not(selected(S/F3_unit), '4')) | | |
| E | 3_taidha (required) | ار اسی ریکار تسکر کے چکر کی پسل ایک کسی میں؟ تکھی دریے میں تکھی Question relevant when: selected(\$(F3_unit) , :27 and not(selected(\$(F3_unit) , '9997)) and not(selected(\$(F3_unit) , '8887) and not(selected(\$(F3_unit) , '41)) | | |
| F | 3_other_amount (required) | ار اسی ریکارڈ سکر کے چارکن ارسط الالک کائی تھی۔ پر ری ارام اکٹوں | | |
| | | Question relevant when: selected(\$(F3_unit), .777) and not(selected(\$(F3_unit), .999)) and not(selected); \$(F3_unit), .886)) and not(selected(\$(F3_unit), .47)) | | |
| F6_unit (required) | منطقہ در طرابیت ہمچ کر والے کے بعد آپ کر از انسی ریکار ڈ میٹل سے اپنے منڈزیزات مامنل کر لے میں گئا وف ڈگا select the unit of measurement | | منيك | |
| | | | e ¹⁴¹ | |
| | | | 44 | |
| | | | ein- | |
| | | | | |
| | | | کری رقت نہی ڈگا | |
| | | | ھر اب لیں جائے | |
| | | | | جواب دیتے سے شائز |
| | $anny > \cdots > \cdots > \cdots > \cdots > (1).$ | | Repeat | nt(group) |

| ield | Question | Answer |
|---|--|--|
| F6 pequiedpot where not set | (7) ، بالله در غزائلنا مدير فروحي عن بعد ايا كار لا سال ويحار الايكرار سن جين تدعر وحد بتشارك س س هنا والانطام ا | |
| F7_prep (required) | س نکیں (arazidoc_time_name t) کوا آب نے ارتشی ریکٹر 1 سٹر کے قوار سے پہلے کئی اور مگ سے سناریز ک خاصل کی ہی) | 1.4 |
| r i Thomas traditionals | and the second state of th | 2 |
| F7, unit (required) | ار انسی ریکارڈ میٹر کے قیاد سے پہلے آپ کے کیس سے منطقہ بستویزات حاصل کرنے میں کننا رفت لگتا تھا؟ | 1 44 |
| | select the unit of measurement | 2 گیشے |
| | Question relevant when: selected(\$(F7_prep), '1') | 3.3 |
| | | 4 |
| | | 5 |
| | | كلوى والد نيس تكان 6 |
| | | ہوابہ نہی جاتے 888 |
| | | ہ ت بنے ہے تائر 1999 |
| $\dim(\operatorname{sp}(Y)) \gg -N + N + N + N + \{\zeta\}$ | | (Repeated group) |
| Group milevant when: not(ae | includ(5(F7_unit) , 3993)) and not(aniscisus) 5(F7_unit) , 1089)) and not(subscript) 5(F7_unit) , 37)) | |
| F7 (required) | ار اضی ریکارڈ منٹر کے قبام سے پہلے آپ کے قبام سے ملحقہ سنڈوزات ماصل قرتے میں کلنا وقت لگتا تھا ا | |
| | (beforearazidoc_time_name1) اس کودن | |
| F8_unit (required) | ار اطنی ریکارڈ سکر سے اپنے ڈیجال سناریز ان حاصل کرنے کیے لیے لیے لیے کائی قون انا کی؟ انہ | کررز ۱ |
| | salisof the unit of measurament | 2 451 |
| | | 3 |
| | | لی پیسہ خرچ نہی ہر 1/ کچھ نہیں 4 |
| | | نینگر (لاکھ سے کار (م) TTT |
| | | مراب نہی ماننے 888 دراب نہی ماننے 888 |
| and the second second | | جواب بیلے سے انگز 1999 |
| F8_arab (required) | ار احمن ریکار آسٹر سے اپنے ٹیمیل سناریزات ماسل کرنے کی لیے لیے کسی قبن ان کر * عرب روپے میں کامین Question relevant when: selected(\$\inf 5, antl) , '3') and not(selected(\$\inf 5, unit) , '999')) and not(selected(\$\inf 5, unit) . '888')) and not(selected(\$\inf 5, unit) , '4')) | |
| F8_crore (required) | ار انسی زیکارڈ سٹر سے اپنے ٹیجل دستوبزات حاصل کرنے کیے لیے اپ نے کلئی قوں تا کی 7 کروڑ روپے جن تکھی | |
| | Duestion relevant when: selected(\${F8_unit}, '1') and not(selected(\${F8_unit}, '969')) and not(selected(\${F8_unit}, '868')) and not(selected(\${F8_unit}, '4')) | |
| F8_lakhs (required) | اراضی ریکارڈ سال سے اپنے لیجنل سناویزات حاصل کرنے کے لیے آب سے کلی قین تا کی؟ لاکھر رہے جن لکھی | |
| | Question relevant when: selected(\$(F8_unit) , '2') and not(selected(\$(F8_unit) , '999')) and not(selected(\$(F8_unit) | |
| | . '8887) and not(selected(\$(F8_unit) . '4')) | |
| F8_other_amount (required) | ار انھی ریکارڈ سٹن سے اپنے ڈیمیٹل سنڈورات خاصل کرنے گئے آہے۔ آپ سے کلکی فرس ان الی T | |
| | يرى رام دانسى المراجع الم | |
| | Question relevant when: selected(\$(F8_unit) , 777) and not(selected(\$(F8_unit) , '999)) and not(selected(\$(F8_unit) , '888')) | |
| F9 (mquired) | کہا آپ کر از ایش ریکارڈ سال کے سلے ایڈکروں کر کرتی اور رفر تا کرتی پڑی ہے؟ کہا آپ کر از ایش ریکارڈ سال کے سلے ایڈکروں کر کرتی اور رفر تا کرتی پڑی ہے؟ | بل 1 |
| | | 2 4 |
| | | معارد تبدن 888 |
| | | ہراب بیٹے سے انگز 1999 |
| F10_unit (required) | غتی رفر نه فی گری* | 1 31.6 |
| | select the unit of measurement | 2 40 |
| | Question relevant when: selected(\$/F9), 11) | 3 44 |
| | | نی پیسـ خرج نین برا / کچھ ہیں ۔ 4 |
| | | نیٹر (لاکھ سے الدرام) 777 |
| | | ہرات نہیں جانے 888 |
| | | ہ اب بنانے سے تیکز 999 |
| F10_arab (required) | للتن رقد كا لكي ألم" عوب وروبے على لكيون | |
| | Question relevant when: selected(\$/F10_unit) . '3') and not(selected(\$/F10_unit) . '999') and not(selected) | |
| | \$(F10_unit) . (888)) and selected(\$(F9) . '1') and not(selected(\$(F10_unit) . '4')) | |
| F10_crore (required) | کلی رفد تا کل گلی؟ کرول دوسے میں لکیں | |
| | Question relevant when: selected(\$(F10_unit), 'T) and not(selected(\$(F10_unit), '999')) and not(selected(| |
| | \$(F10_unit) . 3887) and selected(\$(F9) ; 17) and not(selected(\$(F10_unit) . '47)) | |
| F10_takhs (required) | کش رفرنا کی گیر؛ لاکورزیے می تائیں Ouesticate decard where calender \$(510, unit, -21, and activate \$(510, unit, 500)) and activatedate() | |
| | Question relevant when: selected[\$[F10_unit]; 2") and not(selected[\$[F10_unit]; "999)) and not(selected[\$[F10_unit]; "888]) and selected[\$[F9]: "1") and not(selected[\$[F10_unit]; "4")] | |
| F10_other_amount (required) | غار الا الماني ، محمد الماني ، محمد معمد معمل عرامي ، الم معمد معمل عرب ، معمد معمل عرب ، معمل معمد معمل عرب م المعنى رفضا كي تُعرب | |
| · | انغی زم ت می می: پرزی رفر لگهی | |
| | Generation relevant when: selected[\$/F10_unit]. 7777] and not(selected[\$/F10_unit]. '999)) and not(selected[\$/F10_unit]. '8987) and selected[\$/F10_unit]. '19 | |
| F11 (required) | کا دی رقر پہلے بقراروں سے سنڈویزات لینے چریز کا کی جائی تھی؟ | 1 4 |
| | | يبي 2 |

| Field | Question | Answer |
|---|--|--|
| 72121 | | |
| | Question relevant when: selected(\$(F9) . 17 and not(selected(\$(F10, unit) . 9997)) and not(selected(\$(F10, unit) . | ہی پارٹر یا کے پلی سنٹر بڑات کے ۔ 3 لیے ایس گیں |
| | (8887) and selected(\$(F9) . '1') and not(selected(\$(F10_unit) , '4')) | |
| | | مغرم نين 888 |
| | | مراب دیتے سے تہادر 999 |
| F12 (required) | کیا از انسی ریکارڈ سٹر کے سنڈریزات نائطی کے بعدر تھے ؟ | بان 1 |
| | | ليس 2 |
| | | مخرم نين . 888 |
| | | مر ^ت اپنے سے ^ت اور |
| F12_prop (required) | للہا آپ نے سنڈریز او عرست کر لیے کی درخراست جنع او لی ہے؟ | 1 34 |
| | Question relevant when: salected(\${F12}, 2) | يس 2 |
| | | محرر لين 888 |
| | | مراب بہتے سے انکار 999 |
| Barrieg Reader Reader Bar | | |
| Group Advant when: sele | schiel \$7772 page | |
| F12_A_unit (/equired) | ار اسی ریکارڈ بنٹر می برخرانت جمع کرانے کے بعد غلمی کر نرست کرنے ہیں کتا رقت ڈلا | 1 منت 1 |
| | subject the unit of measurement | 2 245 |
| | Question relevant when: selected(\$(F12,prep), '1) | 3 0 |
| | | |
| | | 4 جامع مال 5 |
| | | |
| | | کون راحت تېرن 10 ق |
| | | ھراب نہی مانٹے 888 |
| | | هراب ن <u>ينے سے</u> تکر 1999 |
| $\dim (g, g, h) := g + g_h + g_h + g_h + g_h + g_h$ | | (Repeated group) |
| | of subsched (\$(F12_A_conit), 9991) and not(subsched (\$(F12_A_conit), 8883)) and not(subsched (\$(F12_A_conit), 81) | |
| F12_A (required) | ار امنیں ریکارڈ سنلز میں درخواست معمع کاراسے کیے بعد علطی کو درست کرنے سی کلنا وقت لگا؟ | |
| | س لکيس [cotr_arazidoc_time_name1] | |
| F13 (required) | کیا آپ کر اسٹاریز سی علمی کر درست کرا ہے گئے آیے کمی بھی مرحلے پر پٹراری کے پانی اسٹاریز لے کر طال پڑا؟ | 1 Uk |
| | | يون 2 |
| | | سطرم نيس: 888 |
| | | ھراب دیتے سے البائر - 999 |
| F14_unit (required) | یلواری کو تساویزات درست کوتنے میں گلنا وقت ڈگا | 1 |
| | select the unit of measurement | 2 گیتے |
| | Question relevant when: selected(\$(F13).'1') | ین 3 |
| | | 4 |
| | | بدق 5 |
| | | كىرىن راحت تىرى لىگە 8 |
| | | جراب نیں جائے 888 |
| | | |
| | | ہر اب بنے سے ایالز 1999 |
| hurshy b + b + b + b + b | | (Flépearlad group) |
| | of publicition \$1974 unit) - 500(1) and ecosystection \$1974 unit) - 368(1) and instrumented \$1974 unit) - 631 | |
| F14 (Inquino) | پائر از بی کو مستارین ات در سبت کار سے میں کندا واقت شگا؟ | |
| | eorr_patwaridoc_time_name1) اس لکین | |
| F15_unit (required) | اپ نے پہن سنتریزات بر سند کرنے کے لیے ہوار ان کر کتے ہیں۔ subject the unit of measurement | 1 355 |
| | Question relevant when: selected(\${F13}, :1) | 2 451 |
| | structure and structure and structure all the second structures and the second structure and structures and str | 4,- 3 |
| | | کرنی پیپ خرچ نہیں ہو! / کچھ لیس 🗧 |
| | | نیاز (تکو سے تبریان) 1777 |
| | | ھر ^{ان} نيدن ھائے 888 |
| | | عواف بنين سے المالو 1999 |
| F15_arab (required) | آپ نے اپنی سنڈریزات درست کارتے کے لیے ہو اردن کار گئے ہیے دی اور ان کار | |
| | Question relevant where selected(\$/F15_unit) , '3) and not(selected(\$/F15_unit) , '9997) and not(selected(| |
| | \$(F15_unit) , '888')) and selected(\$(F13) .'1) and not(selected(\$(F15_unit) , '4')) | |
| F15_crore (required) | آپ نے اپنی تساویزانہ درست کارنے کے لیے پاواری کو کلتے ہیے اسے الزارز روپے میں لکچی | |
| West Notificial and | Question relevant when: selected(\$(F15, unit), '1') and not(selected(\$(F15, unit), '999')) and not(selected(| |
| | \$(F15_unit) - (8887) and selected(\$(F13) - 17 and not(selected(\$(F15_unit) - 47)) | |
| F15_lakhs (required) | اپ ہے اپنی سیاریزات درستا کرنے کے لیے پاراز ی کر گئے ہیے دیے 1 انگو روپے میں تائیں | |
| | Question relevant when: selected(\$(F15_unit) , 2) and not(selected(\$(F15_unit) , 9997)) and not(selected) | |
| | \$(F15_unit) . '888')) and selected(\$(F13) .'1') and not(selected(\$(F15_unit) .'4')) | |
| E15 other annual form | وہ ہے ہور ہی کر گھنے ہیں۔ اس میں معموم میں جارہ ہے جو میں ہور ہی کر گھنے ہیں ہور ہی کر گھنے ہیںے ہیں اور (100 | |
| 4.10 "Angue" automus fuedra | یہ سے اپنی دستریز این در سب کرنے کیے سے اپنی دی کر دی اسے اسے (60) اور ای زام ڈکھان | |
| | 257125678681 | |
| | | |
| | | |

| ld | Question | Answer |
|-------------------------------|---|---|
| | Question relevant when: selected(\$(F15_unit), ?777) and not(selected(\$(F15_unit), '9997)) and not(selected(\$(F15_unit), '8887)) and selected(\$(F15_unit), '8887)) and selected(\$(F13_1')) and not(selected(\$(F15_unit), '47)) | |
| F16 (required) | بالراری سے نسمین ماسل کرنے کے ان صل کے برران ایہ کر کیا پریشلی مصربی بری۴ | کوتی پریشانی نیس 1 |
| | Question relevant when: selected(\$(F13) .'T) | بلكن پريشانى 2 |
| | | نا زينا، نا گرېريشانې او |
| | | ىبت پرېتىقى 4 |
| | | الليش تبتر اليت 6 |
| | | جراب نيون جاشے 888 |
| | | جرت بہتے سے انکثر 1999 |
| F18_unit (required) | متعلد لیکٹر سے فرد بن حاصل کرنے میں کننا رفت ڈگ | 1 44 |
| | select the unit of measurement | کیتے 2 |
| | | 3 0 |
| | | 4 |
| | | 5 |
| | | کردن رفت نہیں لگا ہے |
| | | ایس نگ فرمن بدر نیس ما |
| | | موراب نہیں جالئے 888 |
| | | مراب بیٹے سے تکثر 1999 |
| | | |
| Survey Sector Sector advances | - (1) uttselected(\$(F18 unit) - 1999)) and real/selected(\$(F18 unit) - 1889)) and extyselected(\$(F18 unit) - \$(1) and | (Repeated group) |
| | | |
| nutivelected/ 5# 14_ur | (17) ۔ (17) متعلقہ اینڈیل سے فرد بین حاصل کرنے میں کانا وقت ڈگا؟ | |
| F18 (required) | منطقہ الیکن سے کرد بنر محصر کردے سی قدرات دکتر اس لگون (fard badr_time_name1) | |
| F18S (moulind) | ہوں جون را میں معموم ہوئ ار ایسی ریکارڈ سٹر سے نصبح جاسل کرنے کے اس عمل کے برران آپ کر گئی پریڈش محموم ہوئ | كونى پرېشلى يېن 1 |
| Line fundament | ار سال 1945ء میں سے معمول معموم ہوتے ہے۔ اور میں مرکز کے بار میں کا اس کا ایس | |
| | | بلان پريشاني 2 |
| | | نا زياده نا كم پريشاني 3 |
| | | يت پريشاني 4 |
| | | التيلى نينى تيت 6 |
| | | جراب نہیں جات _ا ہے 888 |
| | | جراب نیلے سے انگار 1989 |
| F19_unit (required) | آپ نے ایک سنڈوزات درست کرنے کے لیے از اندی ریکار 1 سکر سی کلئے ہیے لگاے؟ | کرول ۱ |
| | select the unit of measurement | 2 + ⁵ |
| | | 3 ~* |
| | | ى يېسىد خارچ نېدى بو ^{ر ر} کېږې نېدى 🔺 |
| | | نېگر (لاکه سپړ که رام) 777 |
| | | حراب نیں جائے 888 |
| | | ہواب دیتے سے لکار 1999 |
| F19_arab (monired) | آب نے اپنی دستان دان ، درستہ کرنے کے آیے از انھی ریکار آ سال میں کائے ہیںے نگاے؟ عربہ روپے میں ناکھن | |
| | Question mievant when: selected(\$(F19_unit), '3') and not(selected(\$(F19_unit), '399)) and not(selected(\$(F19_unit), '888)) and selected(\$(F13), '1') and not(selected(\$(F19_unit), '47)) | |
| F19_crore (required) | اپ نے اپنی بستاریزات برست کارنے کے لیے اراسی ریکارڈ سکر می کلنے پسے ایگریا: کارباز روپے میں لکھی | |
| | Question relevant when: selected(\$[F19_unit], 'T) and not(selected) \$[F19_unit], '9993)) and not(selected(\$[F19_unit], '8887)) and selected[\$[F13].'T) and not(selected(\$[F19_unit], '47)] | |
| F19_takhs (required) | آب نے اپنی اسٹاریزات ترست کرتے کے لیے از اطنی ریکارڈ سال میں طلبے پیسے لگاری؟ لاکھ روپے میں لگیں | |
| | Question relevant when: selected(\$(F19_unit), '2') and not(selected(\$(F19_unit), '997)) and not(selected(\$(F19_unit), '888)) and not(selected(\$(F19_unit), '4')) | |
| F19_other_amount (requ | ایہ نے اپنی منڈزیزات درست کارنے کے لیے از انسی ریکارڈ منڈر میں کلنے پیسے لگان؟ (wid | |
| | اوري زقر لکنون. | |
| | Question relevant when: selected[S[F19_unit], '777] and not(selected[S[F19_unit], '9997) and not(selected[S[F19_unit], '8887)) and not(selected[S[F19_unit], '47]) | |
| F20 (required) | کیا لیہ کے طول میں ارائشی ریکارڈ مینٹرز پڑوار مینٹر ہے زیادہ اطل رسانی ہے 1 | کلاس زیشد 1 |
| C42/C9/2011 | | لېرژازىدە 2 |
| | | |
| | | توزاكم 4 |
| | | بلايس س 5 |
| | | کیں پٹر ار سنٹر نیں گئے۔ 6 |
| | | میں ہو را شر میں سے ان جراب نیں جالئے 1888 |
| | | |
| F21_1_1 (required) | سنڈر برات مع قرائے کے لیے از انسر زیڈارڈ میڈر کے پچلے 1 سال میں تھے چیئر ایکے 1 1999 – relused to answer (chr>888= don't know | ہو ^ن بینے سے انگر 199 |
| F21_1_2 (required) | نسٹر بزان ہم کرنے کے لیے اراضی ریکار کا سیکر کے مصر ہی خرر پر اب تک کتے چکر گیے ؟ | |
| | 999 = refused to answer 888= don't know | |

| Field | Question | Answer | |
|---|--|------------|--------------------------------------|
| F21_1_3_unit (required) | ار لعلمي ريادة 3 سينتر على سار معا رقت كلنا دلگا + | 1 | - 20 |
| | select the unit of measurement. this Travel Bine includes both going and coming back | | ليتے ا |
| | | 3 | |
| | | | ري. ميليد |
| | | 5 | |
| | | | میں کاری رقت نہیں لگا |
| | | | ھری رہت نہیں دی۔ ہو اب نہیں ہالتے |
| | | | |
| BUDBY 2 - 2 - 3 - 2 - (1) | | | جواب ہونے سے الگار (quup) |
| | (selection) \$(721, 1, 3, unit), 9393) and respecteding \$(721, 1, 3, unit), 9883)) and respected; \$(721, 1, 3, unit), \$(7)) | | in Braidh |
| F21 1 3 (required) | س لکھی [arazi_travel_time_name1] از اسی ریکارڈ میٹر کیے سار میں ارسطا رفت کلنا لگا ۴ ہرات | | |
| F25_1_4_unit (required) | استاد بزات جمع کرتے کیے لیے اراضی ریکار 1 سینٹر میں ارسطا انتقار کانا کرنا پڑا + | | <u></u> |
| and the factor of the second | select the unit of measurement | | کیتے |
| | | 3 | |
| | | | er. |
| | | | J., |
| | | | ىدى ئارى راف ئېچى ئالا |
| | | | ہری وقت نہی نہ |
| | | | ہوت ہیں مانے ہوت نیٹے سے انگار |
| $\pm (c_{i})_{i \in I} > . > . > . > . < (1)$ | | | id group) |
| | summer s(f2)_1_4_unit, 9993) and not(selected) \$(F21_1_4_unit, 9883) and extramineted(\$(F21_1_4_unit, 953) | respecte | Another and |
| F21_1_4 (required) | سی تالوی (traz): نیز او منابع النظر کن کرد (traz) از اسی زیاد تسیق می از سط النظر کن کرد (t تجراب | | |
| many Poly Poly Poly | (1) And A. R. A. MANDALIN, MARKET AND MET. 9 [Industry and "Industry and "Industry Control of Society and " | | |
| Group relevant when the | acted) 5/F12_prep1_(1) | | |
| F21_2_1 (required) | ار اضی ریکار1 سٹر سے سنار برات کی نصبح کے لیے پچلے 1 سال س کلنے چکر لگے ؟ | | |
| | | | |
| | 999 = refused to answer >br>688+ don't know | | |
| F21_2_2 (required) | ارائشی ریکارڈ سٹر سے نسٹر برات کی تعمیح کے آیے معبر می طور پر اب تک کتے چکر لگے ؟ | | |
| | 995 = refused to answer do/>888= don't know | | |
| F21_2_4_unit (required) | ار اسی ریکار اسٹر سے سنار برات کی تصحح کے لیے ترسلا انتقار کلنا کرنا پڑا ؟ | 45 | - |
| | | | کونے ا |
| | select the unit of measurement. | 3 | |
| | | | city |
| | | | J., |
| | | | کری رفت نہی تائ |
| | | | جراب نبق خانلي |
| | | | ہ ت دیتے سے تکار |
| MANYAGASASAS | -70 | | rd group) |
| | of (solicitid) S(F21, 2, 4 unit), 1989)) and not(solecting) S(F21, 2, 4 unit), 1000) and extinometrial (S(F21, 2, 4, unit), 10)) | | 10 10 10 |
| F21_2_4 (required) | س تکوی (arazi_wait_time_name1) از انسی ریکار 3 سیتر می اوسطاً انتقار کتا کرتا پڑا 1 ہوت | | |
| 8079922-2-5-5-5- | | | |
| Graup relevant when an | enter) \$(015_p) = 11 | | |
| F21_3_1 (required) | سنڌر برات جمع کرنے کے لیے ہتراری کے بچھلے 1 سال میں گئے ہوکر نگے 1 | | |
| E21 3 3 4 | 999 × refused to answer stri*BB#< don't know | | |
| F21_3_2 (required) | سنڌر پر ات ميم ٿر نے کے ليے پار ان کے محمو جي طرح و جب تک تکنے چار کيے۔ 1999 = refuted to answer <5c/>888= don't know | | |
| F21_3_3_unit (required) | یڈراز ان سے ملتے کیے لیے خر می ارسطا رات کلنا ڈگا * | 1 | 24 |
| and a second state of the second s | select the unit of measurement. bit? Travel time includes both going and coming back | | کیتے |
| | | 3 | |
| | | | |
| | | | Je |
| | | | کار در رقت نہیں ڈگ |
| | | | حراب نہیں مالتے |
| | | | جو آب لیلے سے الکار |
| <u>1117917</u> 2 - 2 - 2 - 2 - 2 - 2 - 2 - 2 | (1) | | d (mus) |
| | otpolicial SF21-3-3, unit, 1999) and activated SF21-3-3, unit, 1001) and soluminided SF21-3-3, unit, 101 | divolucito | - 10 M.S.M.S. |
| F21_3_3 (required) | می لکھی [patwan_trave] fime_name] ہتراری سے ملتے گئے گئے تھے جو میں اوسطاً رقت کلنا لگا 7 جواب | | |
| F21_3_4_unit (required) | | 1 | 200 |
| | select the unit of measurement. | | 246 C |
| | | | are. |
| | | | 19. 19. |
| | | 1.7.3 | 84 T. |
| | | | |

| Field | Question | Answer |
|--|---|--|
| | | سال 5 |
| | | کردن راستیس ٹکا 6 |
| | | جو ^ر ت نہیں جانئے 888 |
| | | جراب علنے سے انگار 1999 |
| 1000 X 200 X | | (Repeated group) |
| | (selected) \$(F21_3_4_unit), 7993) and notisolected; \$(F21_3_4_unit), 3883) and not(selected; \$(F21_3_4_unit), %)) | A subconstant de canada de |
| F21 3 4 (required) | سنار ہوات جمع کرنے کے لیے پاراری کے نظر می ارسکا انتقار کتا کرنا پڑا ؟ | |
| | م ل patwari_wait_time_name1] م ل | |
| Michily 3 - 5 - 5 - 5 - 5 - | | |
| Group missight when latter | about(-5(7) 1.01) (21) | |
| F21_4_1 (required) | ہاراری سے سنار بزات کی نصحح کے لیے پچپلے 1 سال میں کائے چکر لگے ا | |
| | | |
| F21_4_2 (required) | 399 = refused to answer ket>888= don't know | |
| F41_4_2 (repared) | ہٹر تری سے سنلز پراٹ کی اصبحوج کے لیے مجموعی طور پر اب تک کتنے چکر لگے ؟ | |
| | 999 = refused to answer 888= don't know | |
| F21_4_4_unit (required) | سنار بزات کی اسمن کے لیے پار ان کے طار میں ارسفا انتقار کتا کرنا پڑا ؟ | t شتہ (|
| | select the unit of measurement | 2 24 |
| | | ان 3 |
| | | 4 |
| | | 5 3- |
| | | غرى وقت تېيې لگا 6 |
| | | مراب تین ملتے 888 |
| | | مراب بیلے <i>سے انگار</i> 999 |
| 51570872-2-5-3-2-5. | 20 | (Repeated group) |
| Groop relevant when i no | (selected) \$(F21 + 4 unit) - 999)) and not(selected) \$(F21 + 4 unit) - 888)) and not(selected) \$(F21 + 4 unit) - 80) | |
| F21_4_4 (required) | س تکنیں [patwari_wait_timecorr_name1] ستار برات کی تصنیح کے پتراری کے نظر میں ترسط انتقار کلنا کرتا پڑا ؟ بورات | |
| G16_7 (required) | از تڑی ریکٹر 1 سنٹر جاتا ہے کے لیے کلنی پریڈکی کا باعث بنا؟ | كونى پرېتىلى ئېرى 1 |
| | Question relevant when: selected(\$(D35_a) , '1') | ېلكى پرېشانى 2 |
| | | تا زيندنا كرېرېشلنې - 3 |
| | | يت پريللى 4 |
| | | الثياني نبلي اليت 5 |
| | | مراب نہی مائے 888 |
| | | جراب دیتے سے تکثر 999 |
| F25 (required) | . کما آب از انسی زینکرڈ بنشرز میں کرنی بیئری کنوین کارنا چاہیں گئے؟ | |
| | write briefly | |
| survey > - > - > - > - | The second se | |
| G13 (required) | اپ منز رہے بلن میں سے علی ہیں؟ اسمار کنیدہ / ایشیر زرفین | بورد اف ريرتير (مي او ار) 8 |
| | | کشر 7 |
| | | الرش كمشدر (لى سى)//ششار ئېش 6 |
| | | کملنز ریونیز (اے ڈی سی ار) |
| | | الشنة كالاريا المشت عشر (الم) الخ الم) |
| | | سمية تحسيلتان 4 |
| | | ناتب تجميلدان 3 |
| | | ى دىرى مەرىيى مەرىيى مۇردىرى قىلىرنىڭ 2 |
| | | 1 3194 |
| | | پر ری ۲ ان میں سے کسی سے لیس ملا |
| | | و بن سے سی سے علی ہوا ہوا ہواب نیر جائے 888 |
| | | ہرات ہیں کائے 1000 ہراب بینے سے تکار 1999 |
| $\operatorname{suppy} p : (p + p + p + n) + (1)$ | | (Réported group) |
| | elected (1/GEU - 1997)) and not (relected) (1/GEU - 1887)) and not relected (1/GEU - 19) | Constrained Reports |
| G13_2 (required) | کے کئے جار کار (Ro_name 1) کے کئے جار کے 1 (Ro_name 2) کی کئی جار کے 1 (Ro_name 2) کی کئی کار کار (Ro | |
| 2.47.42.1.0.4.1.4.1.4.1.1 | 888 = Don't know 999 = Refused | |
| | Question relevant wher: not(selected(\${G13} , '999')) and not(selected(\${G13} , '888')) and not(selected(\${G13} , | |
| | 3)) | |
| G13_3 (required) | $\beta = \frac{1}{2} \frac{1}{2}$ | 1 🛶 |
| | | 2 ==== |
| | | ەن 3 |
| | | 4 100 |
| | | بال 5 |
| | | غری رفت نیس ڈگا کا |
| | | هراب تبين هاشي 888 |

| Field | Question | Answer |
|--|---|--|
| | | جراب دیتے سے انکار 1999 |
| $\text{ELEVELY} \geq -2^{-} \geq -2^{-} \geq -(1)^{-}$ | - (1) | (Repeated group) |
| | (whiched) \$(013, 3), (3091) and not(whiched) \$(013, 3), (3087) and not(whiched) \$(013, 3), (8)). | |
| G13_3_final (required) | کے لیے منطقہ بھی کے سفی پر ارسطا رفت کنا الگا (RO_name1) کا پ کر سی پر کریں (RO_simeoNice_name1) سی پر کریں (RO_simeoNice_name1) | |
| G13_4 (required) | travel time includes both going and coming back. سے ملینے گیر: Reo_name1 کے Roo_name3 کے Roo_name3 کے Roo_name3 کے Roo_name3 کے Roo_name3 کے Roo | 1 44 |
| O COTA (notimety) | select the unit of measurement | 2 245 |
| | | د معنی ا ان ا |
| | | 4 |
| | | 5 11- |
| | | كويزيك بين تك 8 |
| | | مراب نین مانے 888 |
| | | عواب دیتے سے انگار 1999 |
| Survey > - > - > - > - (†) 1 | 0) | (Repealed group) |
| | (soliding) (2(G13_4), S993) and collarbected (2(G13_4), 3683) and collarbected (2(G13_4), 83) | |
| G13_4_final (required) | سی پر غرب (RO_timewal_name1) سے طبعے کے? (RO_name1) مناف نظر سی ارسطاً انتظار کتا کیا ہے۔ | |
| Gt3_1 (required) | پر پچھٹے 1 سال سی ارسط کلی رام طرح کی 1 (Ropumut) RD اب نے | 1 364 |
| | select the unit of measurement | 2 +52 |
| | | 3 4.4 |
| | | رتې پېسم خرچ نېس بر۲۱ کېږو نېښ 🔺 |
| | | نیاز (لکو سے شروام) 777 |
| | | مراب نبن جائلے 888 |
| | | ہوئیہ دیتے سے انگلز 1999 |
| G13_1_c (required) | ور بجعلے 1 سک میں اوسطاً کلش راہر خرچ کی 1 کاروڑ روپے میں تاکیں (Ro_name 1) اپ نے | |
| | Question relevant when: selected(\$(G13_1), 'T) and not(selected(\$(G13_1), '999)) and not(selected) \$(G13_1). | |
| | (888) and not(selected(\$(G13_1) , ¥)) | |
| G13_1_1 (required) | یر پیچلے 1 سال میں ایسٹا کشی رام خرج کی 1 لاکھ رزیے میں تکس اکس (اور خرج کی 1 لاکھ رزیے میں تکس [RO_name1] اپ نے Question relevant when: selected(\$(G13, 1), -2) and not(selected(\$(G13, 1), -3993)) and not(selected(\$(G13, 1), - | |
| | Guession neevant when: selected s(G13_1), 2) and not(selected s(G13_1), 9nm)) and not(selected s(G13_1), (888)) and not(selected(s(G13_1), V)) | |
| G13_1_a (required) | یں پچھلے 1 سال میں برسط کتنی رقب طرح کی 1 عرب روپے میں لکھیں (Ro_name1) پ نے | |
| a reside for damaged | Question relevant when: selected(\$(G13_1), '3) and not(selected(\$(G13_1), '999)) and not(selected(\$(G13_1), | |
| | (888) and not(selected(\$(G13_1), 4)) | |
| G13_1_o (required) | پر بچھنے 1 سال میں نرسڈا کش رام مرچ کی 1 پرری رام لکیں۔ [RO_name1] آپ نے | |
| | Question relevant when: selected(\$(G13_1) , '777') and not(selected(\$(G13_1) , '999')) and not(selected(| |
| | \$(G13_1) : '888)) and not(selected(\$(G13_1) , '4')) | |
| G16 (required) | سے ملاقات کرتے رفت یا ان کے نظر کا چکر آنگانے رفت کیا پریشلی محمودی کی" (RO_name1) اپ نے | كلونى پريشلى نيس 1 |
| | | بلاي پريشاني 2 |
| | | نا زيده ناكم پريششي 🔋 |
| | | يت پريشاني 4 |
| | | التبلى تبن اليت 5 |
| | | جراب نين جاتي _ت 888 |
| 0.00 | | ھر آپ تینے سے ^{تر} کز 1999 |
| D39 (required) | ر پریشو حداشوں بلا نظام ہیئے کیے لیے کری تطریز ہون ہوتے کے write breaty | |
| status_survey (required) | Status of the survey | 1 Completed |
| | | 2 Partial Complete |
| | | 3 Refused because of time |
| | | 4 Refused because of lack of |
| | | interest |
| | | 5 Refused because of lack of |
| | | 6 Refused because of other |
| | | 6. Refused because of other reasons |
| reason_lett_survey (/equired) | یر اد کرد تیگر کی وشتگفت کردی این محمد است. از این | |
| question_left_survey (required) | Question relevant when: selected(\$(status_survey) ، '6') جو ان بنید ہے سور ہے کیے کئی سوال تک خواب ہوا | |
| Annual Transformer A. Landon and | Question relevant when: not(selected(\${status_survey}), '1')) | |
| | n na sana sa | |
| | | |
| | | |