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## PUNJAB PUBLIC HEALTH DEPARTMENT

## REPORT

ON

The Public Health Administration of the Punjab for the year 1939



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registered and the outbreaks of the odisease is promoted

The report of the Public Hea'th Administration of the Punjab for the year 1939.

The estimated mid-year population of the province for Vital statistics. 1939 was 27,231,113 representing a further increase of half a million over the figure for the preceding year and an increase of nearly 16 per cent over the census figure. The birth rate was 40.8 per mille compared with 43.7 in the year 1938, the decline being more marked in the districts of the Ambala division where famine conditions prevailed. Famine conditions also accounted for more deaths in the south-eastern districts, except in Gurgaon; but the total number of deaths in the province was less than in the preceding year and the death rate was lower by 1.2 per mille. More than half the deaths occurred amongst children of not more than five years. The infantile mortality rate was 167.57 which is still very high, although lower than the average of the last ten years and indicates that a great deal yet remains to be done in the demain of child welfare work.

- 2. As in the preceding year two thirds of the total number of deaths were recorded as due to fever of some kind, such as malaria, enteric, measles, etc. But little significance can be attached to these figures, as the primary reporting agencies fare prone to describe the cause of death as fever without taking the trouble of obtaining accurate information. That the figures cannot be regarded as reliable or of any real value is clear from the fact that in the Amritsar district where 2,760 deaths were reported under the group "Fevers", 82 per cent of them were found on investigation by the Medical Registrars to have been due to some other cause. It is, however, known that malaria was not unduly prevalent during the year under report. More than 4,000 lbs. of quinine and einchona febrifuge were distributed free. Other anti-malaria measures were also carried out, so far as was possible with the limited personnel and funds at the disposal of the Public Health at or money one third of Department.
- 3. Of 4,311 deaths which were due to smallpox more than to per cent occurred amongst children under five years of age. Over 4½ million vaccinations were performed during the season

Proceedings of the Punjab Covernment in the Public

1939-40; but a vigorous vaccination campaign on a wide-spread scale can achieve full results only when all births are registered and the outbreak of the disease is promptly reported. It is gratifying to note that some improvement has already become evident in certain districts as a result of the action taken on the report of the District Medical Officers of Health against village headmen and village watchmen for neglecting to furnish information in regard to the appearance of an epidemic disease.

- Only 19 deaths occurred from cholera and no case of plague was reported. As a precautionary Other diseases. measure nearly 200,000 anti-cholera in-oculations were carried out and over a million rats were destroyed. Survey work in leprosy has been carried out systematically and 21 districts have now been covered. In order to discourage lepers belonging to other provinces from coming to the Punjab, Government have decided that a leper home will not be entitled to a grant in respect of a non-Punjabi patient admitted in future, unless at the time of his admission he was certified by the civil surgeon of the district to be in a dangerously infective condition. Anti-hookworm survey was conducted in certain tahsils of the Sialkot and Amritsar districts; and 118,636 patients were treated as compared with 87,863 in 1938 and 49,423 in 1937.
- The outstanding event of the year was the commencement of work on the Lahore Drain-Urban and Rural age and Sewerage Scheme which, when completed, will effect remarkable improvement in the health of the capital of the province. In four other towns drainage schemes were in progress and in five towns they were completed. Water supply schemes were completed in nine towns. For sanitary works in villages, such as the construction of proper platforms for wells to prevent the water from contamination, the sinking of new wells and the paving and drainage of village streets a sum of Rs. 23 lakhs was allotted by Government. A condition was imposed that the villagers would contribute in labour, material or money one third of the cost of any work financed under the scheme. The cheerful acceptance of this condition is a heartening sign that the villager is not indifferent to environmental hygiene and is anxious to live in healthy surroundings.gs to steer ord tobut to blid million vaccinations were performed during the season

- Maternity and Child organized during the year bringing the total to 102. Refresher courses were held at most of the centres for certificated dais in order to prevent any deterioration in their knowledge or standard of work. The number of dais under training was 2,593 and certificates after completion of training were obtained by 627 dais as compared with 563 in the preceding year.
- The Public Health Department is to be congratulated for its excellent work in the Hissar Famine in Hissar. district where, owing to the prevalence of scarcity conditions, new and difficult problems arose which required special energy and imagination. The resistance to disease was low and health conditions in general were a matter of deep concern. The food which was available to the famine-stricken population was not only scarce, but also lacking in the necessary vitamins with the result that deficiency diseases, such as scurvy and night-blindness, appeared and had to be combated. In order to secure coordination in preventive and curative measures all rural dispensaries in the district were transferred temporarily to the control of the Public Health Department. treatment centres were established and arrangements were made for the visiting of the sick in their villages by medical officers. Vaccinations and anti-cholera inoculations were out vigorously; while deficiency diseases were carried brought under control by the free supply of germinated grain.
- 8. It was stated last year that Government were Pure Food Act, 1929. engaged on the consideration of a proposal that vegetable ghi should be allowed to be sold only if it bore a distinct colour. Legislation to this effect has now been passed and a rule has been made that no artificial ghi shall be sold, or offered or exposed for sale, or kept in possession for the purpose of sale, unless it is coloured with Oil Orange E in the prescribed degree.
- 9. Lt.-Col. C. M. Nicol was in charge of the Department throughout the year. The thanks of Government are due to him for his keen and efficient administration and to the officers working under him for their successful co-operation.

Order.—Ordered that copies of this review be circulated with the report, and be furnished with the usual number of copies of the report to the Government of India, also that the review be published in the Punjab Government Gazette.

Ordered further that a copy be furnished to the Director of Public Health, Punjab, for information.

the famine-stricken population was not only searce, but

deficiency diseases, such as scurvy and night blindness, appeared and had to be combated. In order to secure co-ordination in preventive and curative measures all roral dispensaries in the district were transferred temporarily to the control of the Public Health Department. Special treatment centres were established and arrangements were made for the visiting of the sick in their villages by medical

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under him for their successful co-operation,

Pure Food Act, 1939.

By order of the Governor of the Punjab,

RAM CHANDRA, T and Town

Secretary to Government, Punjab,

Medical and Local Government Departments.

It.-Col. C. M. Nicol was in charge of the Depart-

engaged on the consideration of a pro-

# The state of the Public Health in the Punjab during 1939.

### poissing bus and Introduction.

Famine was the most important single factor influencing the public health of the Punjab during the year 1939. Although it fell directly on only three districts in the southeast of the province, yet its severity was such that its effects are reflected in the vital statistics of the province as a whole. An event which, in one district alone, caused an increase of over 50 per cent in the average annual number of deaths, and necessitated an expenditure of over Rs. 5 lakks per month in relief measures, could not fail to have repercussions over a much wider area than that primarily and mainly affected.

In 1939, as in the preceding year, rainfall was lower than normal in the Punjab, and in certain areas of Hissar, Rohtak, and Gurgaon districts rains failed entirely.

Hissar district has suffered from famine repeatedl during the past 50 years or more, but within living memory famine has never been so intense or so prolonged as it has been during this latest visitation.

Scarcity of food was being felt in Hissar by the middle of 1938, and famine was officially declared in December of that year: in Rohtak and Gurgaon districts test works were established in December, 1938, and February, 1939, respectively.

An idea of the extent to which these districts were affected may be gathered from the number of individuals who were attending relief works organized by Government by the end of March, 1939:—

nu nounting work of the	Hissar.	Rohtak.	Gurgaon.
Total number of workers	202,389	29,739	10,051
including dependants.	food scarcing	ellecis of	Luc touch

The populations of these districts are : and lo despo end

red.

		the result that during
Rohtakoo Jad	hawo \$805,621,	according to the 1931
Gurgaon 8 88	740,163,	census figures. atomit out

The earlier effects of famine.—In February, 1939, an investigation was carried out as a result of which accurate and detailed information was obtained regarding the diets and state of nutrition of 90 families comprising 529 individuals, in representative famine areas of Hissar. It was found that vitamin "A" (the growth promoting and anti-infection vitamin) was present in diets in quite inadequate quantity, vitamin "D" (which protects against rickets) was absent altogether, and vitamin "C" (which protects against scurvy) also was entirely lacking. Seventy-one per cent of the individuals examined were sub-normal physically. One per cent showed active rickets and three per cent the initial signs of vitamin "D" deficiency. Six per cent complained of night-blindness ("A" deficiency) and in different areas between 25 per cent and 65 per cent showed other of the earlier signs of food deficiency.

These were the findings, notwithstanding the fact that a scale of relief pay higher than that authorized by the Punjab Famine Code had been introduced. It was obvious that there was a danger of food deficiency conditions developing in more acute form and in increasing numbers, and also that other diseases might be expected to prove much more serious in a community in which vitality and resistance had been lowered by qualitative and quantitative food shortage.

Arrangements were made for fresh vegetables to be made available to relief workers to as great an extent as limited supplies made possible, and all individuals found with definite signs of "A" and "D" vitamin deficiency were treated with cod liver oil. Intensive general preventive measures were maintained including chlorination of water-supplies, the sanitation of camp areas and lines of work, the protection of 194,539 individuals against cholera by anti-cholera inoculation, and systematic vaccination throughout the district. Two lakks forty-six thousand five hundred and one vaccinations were carried out.

The latter effects of food scarcity.—Epidemic disease did not appear, but nevertheless mortality figures rose. With the onset of the cold weather greater physiological demands on the famine-stricken population became inevitable, with the result that during the closing months of the year, a rather rapid deterioration in health conditions occurred. Investigations during December showed that, compared with the findings of February, the population as a whole looked

less well fed, the minor effects of qualitative food deficiency were much more readily detectable, fully developed acute deficiency disease (scurvy) had made its appearance, and many individuals in the areas worst affected by the famine were suffering from starvation of varying degrees. This decline in health was much more marked amongst those remaining in their villages than amongst relief workers.

The problem confronting the Public Health Department, was how to maintain the state of nutrition of a large population at a proper level, and ward off disease, at a minimum of cost, which means on the minimum diet adequate for the purpose. This is primarily a physiological problem, and entails a recognition of two fundamental principles. The first is that, other factors being constant, food requirements are proportionate to energy expended, and the second that, in cold weather, other factors being constant, relatively more food is required in order to maintain body temperature.

Preventive and curative measures; Germinated grain as a prophylactic against scurvy.—The more important measures adopted in applying these principles were:—

- (1) Reduction of the task for workers by 50 per cent.

  This took place from the end of January,
  1940;
- (2) increase in the numbers receiving gratuitous relief;
- (3) the locating of works so that villagers did not have to walk long distances to and from their work;
- (4) the rearrangement and expansion of health measures, both curative and preventive.

The whole district was divided into a series of 50 Health Circles, each in charge of a Medical Officer, a circle including the villages within five miles of a central dispensary. Special treatment centres were established to which the acutely-ill, whose condition allowed of their being moved, were evacuated for care and treatment, and arrangements were made for the regular visiting of sick in villages by the medical officers of dispensaries and treatment centres, who were required to make systematic search for sick people.

This reorganization necessitated an increase in personnel which Government at once made available. The augmented staff consisted of:—

Expert Nutrition Officer	sean ad	d distantivipal cosm
Medical Officers of Health	ANDRIB	3 THE RUBERTS STORY
Sub-Assistant Surgeons	i sous	51 (of whom 9 were experienced Health Officers).
Sanitary Inspectors	Did Hon	1033 meldorquad Tr th
Dispensers	Page 911	21
Vaccinators	od the	18 de deidwo 1200

The most important specific preventive measures adopted to check the development of deficiency disease were the introduction of germinated grain as a prophylactic of deficiency disease, and of the Indian Gooseberry (amla) for the treatment of acute scurvy.

During the latter part of December, 1939, and January, 1940, specific measures to counteract deficiency disease were limited to the treatment of actual cases. It was not until the first week of February, 1940, that regular issues of germinated grain to all labour on Relief Works were commenced. The free issue consisted of half a chhattak (1 oz.) of germinated wheat, millet, or gram twice a week, and in many villages the inhabitants were persuaded to prepare this prophylactic for themselves. By the middle of February more than 200,000 individuals were taking this protective ood regularly and the numbers were steadily increasing.

From 27th May women and children ceased to attend Relief Works except once a week to receive their gratuitous relief pay, and on that occasion were given one-half chhatak of germinated grain each.

The merits of germinated grain as a preventive of food deficiency disease are that:—

- where;
- Hi-vie (2) the procedure before producing germination is
- (3) the people are already familiar with grain in this form, as it is partaken of at certain festivals;

make systematic search for sick people.

- (4) it contains vitamins "A", "B" and particularly
  "C" in abundance, and these protect against
  night-blindness, beri-beri, and scurvy, respectively;
- (5) small quantities added to an otherwise defective diet make good deficiencies; and
  - (6) it does not offend religious susceptibilities.

Results of Preventive Measures.—It is important not only from the scientific but also from the financial point of view, that an attempt should be made to assess the value of the measures introduced. In particular it is not often that an opportunity presents itself of observing, on such a scale, the effect of the mass application of measured quantities of a specific preventive of deficiency disease.

The famine actually commenced in 1938 and its general effect on health may perhaps be gauged more accurately from a consideration of mortality figures than by any other means:—

Deaths in	Hissar	district.
the six top	- Belinaus	20,910

1938 .. .. .. 28,505 1939 .. .. 37,767

1937

It will be observed that an increase in the number of deaths in the district began in 1938 and continued in 1939.

If we compare mortality figures for the first six months of the years 1937 to 1940, we may gain an approximate idea of the improvement resulting from the curative and preventive measures applied:—

Deaths.

		000 000			
the apring of a common of the	1937.	1938.	1939.	1940.	
January	1,746	2,052	3,885	2,299	
February	1,619	1,587	3,193	1,918	
March	1,607	1,961	3,036	2,177	
April most ted	1,783	2,564	3,096	2,643	
May 101 bed mon ville	2,104	4,225	4,101	3,290	
June	2,168	3,730	4,026	3,177	
bno vell lo Total on	11,027	16,119	21,337	15,504	

That there should be a reduction, compared with the previous year, of nearly 6,000 in the number of deaths in the first six months of what was really the third year of continued famine is significant. The downward trend had not only been arrested but a definite positive improvement had been effected.

When one comes to consider the actual number of cases of sickness admitted to Hospitals, Dispensaries, and Treatment Centres, and the number of cases attending as outpatients at Dispensaries, the extent to which specific measures against deficiency disease were effective can be judged from the following:—

Morbidity in Hissar district—December, 1939, to June, 1940.

During the lattesh		Total sick admitted to Hospitals and Dispensaries.	Cases of Scurvy admitted (new cases).	Cases of Night- blindness Out- patients at- tending (new cases).	
December, 1939	101310	523	67	1,412	
January, 1940	ne mun	696	80	746	
February "	E ASS	421	60	1,282	
March ,,	ge os	452	.08 e to 1940,	1,167	
April and " as a	ridenus	446	phoent tesuic	883	
May "	ad the	354	क अंदर महामतितक	895	
June "	I	332	Library	1,007	

The general decline in sickness of such a severity as to warrant admission of the individual to hospital, dispensary, or treatment centre, is marked.

The dramatic disappearance of scurvy after the introduction of germinated grain in the first week of February is very striking. It should be noted that from January, 1940, onwards, villages were systematically combed for cases of this disease.

There was a definite reduction in cases of night-blindness attending as out-patients, but the fact that so many cases were still reporting sick during the month of May and that there was an actual increase in June, indicates that germinated grain, as might be expected, was not in the same degree a specific for this condition as for scurvy.

There were on an average 35 cases of malnutrition. other than night-blindness and scurvy, being admitted to hospitals and dispensaries every month during the first six months of 1940. A consideration of these cases, together with the persistence of night-blindness, suggests that the almost entire absence of animal fat from diets was making itself felt in no mistakable manner. The fact that tuberculosis and infective bowel conditions (such as dysentery) began to appear more frequently as causes of death during this period points in the same direction, but it cannot be stated that there was an increase in these definitely diseases owing to the fact that diagnoses were more accurate than they had been during the corresponding period of 1939 when many cases of these diseases were undoubtedly missed.

During the first six months of 1939, there were 481 deaths from smallpox in Hissar district. During the corresponding period of 1940, the number had fallen to 79. A total of 184,921, vaccinations were performed between November, 1939 and the end of June, 1940. The vaccination campaign was just as vigorously carried on during 1938-39 but the reporting of cases was very defective at that time. In 1940 the fact that villages were being regularly visited by medical officers resulted in cases coming to light immediately on their occurrence, and preventive measures could consequently be much more effectively applied.

In the spring of 1940, for the second year in succession, mass anti-cholera inoculation was carried out amongst workers: by the end of June 193,874 anti-cholera inoculations had been given. Cholera was absent from the district in 1939 and had not appeared up to the end of July, 1940.

From the foregoing, I think one is justified in concluding that the major epidemic and deficiency diseases were brought under control, and that the specific preventive measures introduced were not ineffective in bringing this about. Lesser degrees of malnutrition were, however, still prevalent at the end of June, 1940, resistance to disease in general was low, and health conditions extremely unstable.

Famine conditions and mortality. - Innumerable statements regarding death-rates in the famine areas have been published, many of them grossly exaggerated and most of them misleading. A few figures may serve to bring mortality in Hissar into proper perspective.

# Deaths in Hissar District.

Average annual number

of deaths 1934—38.

Actual deaths
1939.

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920

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## Deaths in the young and old in Hissar District.

but it cannot	Average number	Actual number.			
increase in th	1934-38.	1937.	1938.	1939.	
Under 10 years	11,044	11,764	16,854	21,160	
Sixty years and upwards.	2,372	d12,779	3,973	6,836	

It will be observed that the brunt of the famine fell on the young and the old. 74'l per cent of the total deaths occurred in individuals under 10 and over 60 years of age. For every 100 males who died, 114 deaths occurred amongst females, as compared with an average of 107 during the preceding five years.

It cannot be said that the increase in deaths which these figures indicate was wholly due to famine, for the following reasons: stely on their occurrence, and preventi

- (1) Ordinarily many deaths remain unrecorded. In Hissar district during 1939, few, if any, deaths remained unregistered, because of the increased number of medical personnel available to check registration, and the fact that the people themselves were anxious to emphasize the extent to which they had been stricken. 1940.
- (2) Other districts in the Province, unaffected by famine, have shown an increase in deaths as a result of factors which have not been determined. On the other hand Gurgaon district in which famine prevailed in a mild degree actually showed a slight reduction in the number f deaths compared to the previous year, and a very material reduction compared to the average

number of deaths between 1934 and 1938. We are still in the dark regarding the reasons for this.

Nevertheless, one can safely assume that famine was the most important factor affecting the death-rate in Hissar district, for it would be foolish to imagine that in a famine-stricken area (even when the best relief measures which any Government can possibly contrive have been applied) the population can be as well fed, and as resistant to disease, as when normal harvests have been obtained.

As has already been indicated, the early minor signs of food deficiency disease could readily be demonstrated amongst the population of many villages in Hissar by the beginning of 1939, and by the end of the year, varying degrees of starvation and fully developed acute deficiency disease had made their appearance and were accounting for a great many deaths, if not directly, certainly indirectly. It is significant that compared with the average for the years 1934-38, the number of deaths from pneumonia and other respiratory diseases was more than doubled during 1939, and that dysentery accounted for nearly twice as many deaths: these were almost certainly terminal illnesses causing death in individuals already reduced by quantitative and qualitative malnutrition. As compared with the figures for 1934—38 nearly 12,000 more individuals died from "Fevers" so called. Many of these, too, must have been terminal illnesses. The distribution of fever deaths throughout the year indicates a marked departure from the usual seasonal distribution.

Cholera and plague were absent from the district. Deaths from smallpox occurred during the early months of the year, but by the month of May, the disease had been brought under control and did not appear again as a significant cause of death throughout the remainder of the year.

A contributory cause of the increased death-rate in Hissar was the fact that numbers of families, particularly Rajputs—both Hindu and Muslim—considered it beneath their dignity to accept Government relief which they regarded as "charity" or to bring themselves or their women-folk to associate with what they were pleased to regard as "coolie labour" on relief works.

A Striking Contrast.—It is of interest to compare the 1939 mortality figures for Hissar district with those for 1900

which was a year of famine in some degree comparable in severity to that of 1939.

was the	int faming	assume t	DEATHS FRO	M PARTICULA	R DISEASES.
famine- len any ich any co) the	Actual number of deaths.	Death-rate.	Cholera.	Dysentery.	"Fevers."
1900	74,798	96.4	6,399	2,823	54,324
1939	37,767	42.0	nan Nil ne	638	30,522

These figures are significant not only as evidence of the greater effectiveness of famine relief measures, but also of the greater control over disease in general which has been developed since the beginning of the present century.

### SECTION I.—Vital Statistics.

The more important vital statistical data relative to the Punjab for the year 1939 are :—

(1)	Estimated mid-sear population	27,231,113			
(2)	Natural increase in population year.		508,412		
(3)	Births		1,111,604		
	Birth-rate per mille	agaig.	40.8		
(4)	Deaths bo	U non U	603,192		
	Death-rate per mille	rom end	22.1		
(5)	Infantile mortality rate per live births.	1,000	167.57		

Births.—During 1939, there were 1,111,604 births recorded in the Punjab—54,233 fewer than in 1938. The reduction is shared by all districts except four, namely, Gujranwala, Gujrat, Rawalpindi and Jhang. The fall in births was much more marked in Ambala Division than elsewhere, and was greatest in the famine areas. In Hissar there were over 5,000 fewer births, in Rohtak over 4,000 fewer, and in Gurgaon approximately 3,000. This may be regarded as a reflection of the famine conditions which obtained in these three districts during 1938 and 1939. The

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only other districts in which the reduction approaches to the figures of the famine areas are Hoshiarpur and Lahore in which there were 4,758 and 4,461 fewer births, respectively, compared with the previous year. The populations in both these districts are greater than in the districts of Amhala Division, there was no famine in these districts, and there were no outbreaks of epidemic disease which might account for the reduction.

The birth-rate for the whole Province is 40.8 per mille, the lowest recorded since 1934. This figure may tend to allay the alarm with which a rising birth-rate has been greeted in former years. It has more than once been pointed out in this report that the factors which make for increased population are not constant, that the exact manner in which they behave is not known, and that there is no evidence to show that they will in future continue to operate as they have done in the past with similar results. Factors, both known and unknown, have been operative in Punjab districts in determining the lowered birth-rate of 1939.

Deaths.—The total number of deaths during 1939 was 603,192. This is 19,507 fewer deaths than in 1938. The death-rate for the year is in consequence lower by 1.2 per mille. The reduction in the number of deaths occurred in 21 out of the 29 districts. In the remaining eight districts there were actually more deaths than in the previous year, and this is particularly the case in four districts of Ambala Division, namely, Hissar, Rohtak, Karnal and Ambala. The increase in these south-eastern districts of Ambala Division was undoubtedly due mainly to the famine conditions which prevailed in these areas.

Of the total deaths 30.88 per cent occurred amongst individuals of one year of age or under, 20.99 per cent amongst children between the ages of one and five years, and 4.87 per cent amongst children between the ages of 5 and 10 years. This means that 51.87 per cent of the total deaths occurred amongst children of five years of age and below.

Still-births are now recorded separately, and numbered 7,615 during the year. This figure is very small. It is probable that the vast majority of still-births are never recorded at all.

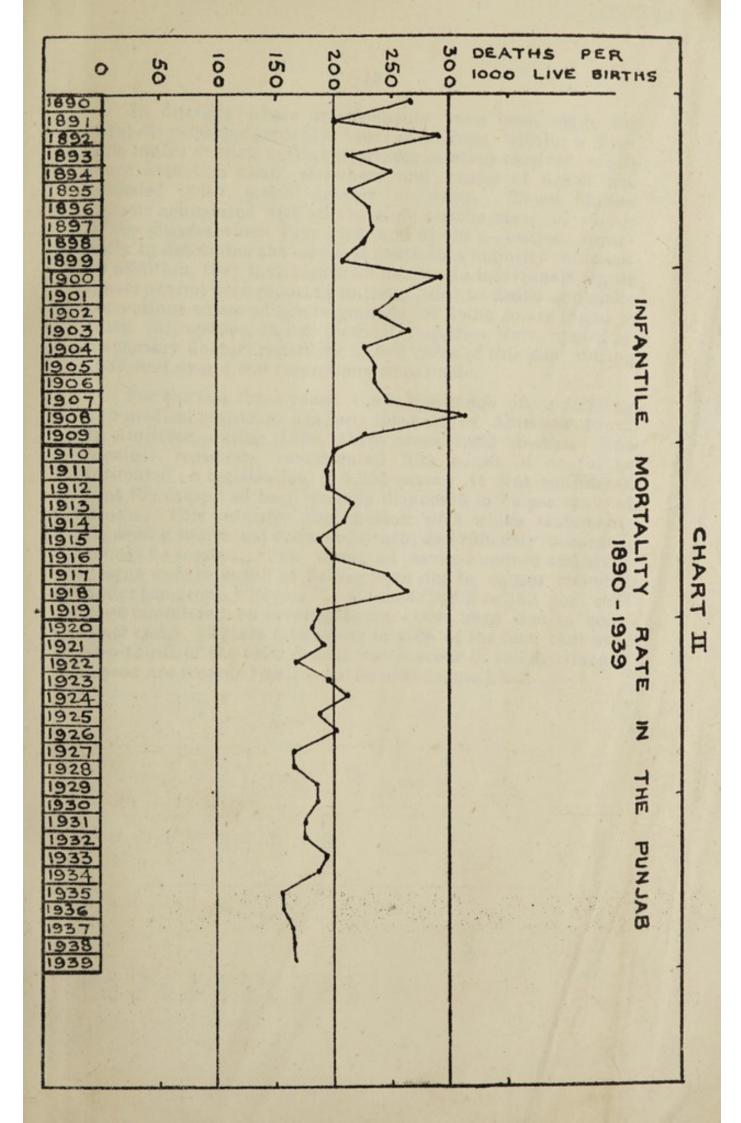
As in the past the male birth-rate exceeded the female birth-rate and the male death-rate was lower than the female death-rate, the birth-rate in males being 21.6 and in females 19.2, the death-rate in males 21.9 and in females 22.5.

Infantile Mortality.—The infantile mortality rate for the year 1939, was 167.57. In 1938 the figure was 166.84. The rate has varied during the past few years between 192.52 and 155.13. The general tendency is towards reduction. The average for the last 10 years is 174.40. The number of deaths in infants under one year of age is still large, and is an index of the progress which still remains to be made in child-welfare work.

The rate is definitely higher in urban areas than in rural areas, the figures being 171.68 and 167.02, respectively.

Registration of Births and Deaths.—As in former years, it is necessary to point out that there are many in accuracies in the figures which primary recording agencies give for births and deaths. The public health staff, in the limited amount of checking of birth and death registration which they are able to carry out, every year discover over 13,000 births and some 4,000 deaths which have never been recorded. The actual failures to register must be many more than these figures indicate. In one district where particular attention was paid to registration, some 2,000 births were found unregistered. This is probably nearer the actual condition obtaining in other districts.

Failure to register births has unfortunate results particularly in relation to the incidence of and mortality from smallpox. There are a large number of young children whose existence is not known, and who in consequence are not vaccinated. The result is that 27 per cent of occur in children under one deaths from smallpox year of age, and 76 per cent in children under 10 years of age. It has become perfectly clear in recent years that improvement in birth and death registration is not to be expected by employing mere persuasion. In rural areas stricter control of local reporting agencies is required and this can only be exercised through Deputy Commissioners. During 1939, Government agreed to District Medical Officers of Health being appointed as Public Officers, in order that they may be in a position to file complaints against village lambardars and chowkidars who fail to notify births, deaths, and cases of infectious disease. Fees for serving and executing processes on behalf of the presecution will be waived. If defaulters be strictly dealt with by magistrates dealing with cases of this kind, a material improvement may be expected. In certain districts, the improvement has, in fact, already become evident.



In districts where arrangements have been made for rural dispensary doctors to tour in villages within a five-mile radius of their headquarters, registration receives much more attention than elsewhere and causes of death are recorded with much greater accuracy. These officers become acquainted with all the more serious cases of illness in the villages which they visit, and are in a position accurately to determine the cause of death in a majority of cases. In addition, they investigate all deaths in individuals whose illness has not been reported to them prior to death and make corrections where adequate grounds for doing so are found to exist. Altogether, in five districts, inquiries were made by dispensary doctors regarding 15,000 cases of this kind during 1939, and over 4,000 corrections were made.

For the last three years, the experiment of appointing two medical registrars has been tried out in Amritsar town. In Amritsar, during 1939, there were 7,061 deaths. The medical registrars investigated the cause of death, as intimated on registration, in 6,255 cases. It was considered that the cause had been wrongly diagnosed in 72 per cent of deaths. This indicates the caution with which statements regarding individual causes of death, as ordinarily recorded, should be treated. Two thousand seven hundred and sixty deaths were reported as having been due to causes included under the group "Fevers". Of these 2,262 or 82 per cent were considered on investigation to have been due to some other cause. This is interesting in view of the fact that over two-thirds of the total deaths which occur in the Province in a year are recorded as due to fevers of some kind.

Table I shows the number of deaths due to the more prevalent diseases from the year 1929 onwards:—
TABLE I.

Year.		•	65-								
		:								:	
Cholera.	2,309	1,182	168	617	160	178	714	1,722	105	6,760	19
Smallpox.	7,765	5,341	3,647	5,184	11,626	1,692	1,824	2,615	3,991	5,455	4,311
Plague.	2,053	554	1,150	2,003	1,789	8,069	976	153	4	1	:
hese 2,262 or 82 per bloom bave been due per bloom the fact to the fact to the fact to the property of some kind.	402,458	422,402	417,026	388,442	460,737	461,328	836,328	374,833	376,809	410,198	408,676
Dysentery and Diarrhoga.  Dysentery and Diarrhoga.  Output  Dysentery and Diarrhoga.	13,210	12,249	14,293	18,291	12,345	12,414	12,295	11,773	10,471	12,046	10,489
Respiratory diseases, 7 pp. 10	61,922	51,706	55,331	60,289	55,355	55,577	58,810	56,995	58,976	77,668	97.46
ds for doing so are natural sections of this kind	6,642	6,103	6,110	6,634	7,015	6,585	6,612	8,068	7,649	8,092	7,852
All other causes, lift	103,727	109,166	111,395	103,025	111,552	104,010	106,371	106,304	98,338	103,479	92,070
ents have been min villages within and causes of desaccuracy. These	590,086	608,703	609,343	579,485	660,579	649,853	583,930	562,463	556,343	622,699	603,192

Apart from the figures for the major epidemic diseases (cholera, small pox and plague) no great significance can be attached to yearly variations under other heads, except in the case of fevers when a year occurs in which malaria is definitely known to have been more prevalent than ordinarily.

Cholera.—Cholerahas never been entirely absent from the Province since records of its incidence have been kept, i.e., since the year 1867 onwards. If we take the figures for the present century, we find that during the last decade the annual mortality from cholera has been reduced by more than 75 per cent compared with the average annual mortality during the first 30 years.

Devastating epidemics, such as those of 1892 when over 75,000 people died, and of 1900 when over 18,000 died of this disease, now no longer occur even in kumbh mela years. Over 19,000 deaths occurred in the adh-kumbh mela year, two years before the Public Health Department was formed. In the full-kumbh mela year of 1938, when, as invariably happens, returning pilgrims carried the infection all over the Province, the number of deaths was well under 6,000.

During the year 1939, only 19 deaths occurred from this cause. Three of these were in isolated cases from which no further cases arose. Sixteen occurred in one localized outbreak, which was confined to four villages, beyond which it did not spread when preventive measures were applied.

During 1939, 195,859 anti-cholera inoculations were carried out, mainly in famine areas, as a precautionary measure.

Plague.—No case of plague was recorded in the Punjab during 1939. There was one imported case in 1938, and four such cases in 1937. 1939 is the first year since the disease appeared in the Punjab, in which no case has been reported. For three years now no indigenous case of plague has occurred.

Anti-rat measures were carried on as in former years and are justified not only from the point of view of plague, but also on economic grounds. Over a million rats were destroyed by the public health staff alone during 1939.

Punish adjoining these States suffer far more from small

Smallpox.—From 1895 onwards there have been years of increased incidence when the number of deaths from smallpox have been as high as 45,000. Even as recently as 1926, there were 17,595 deaths and again in 1933 there were 11,626.

A wave of increased incidence of smallpox occurs periodically, and one of these waves was to be expected in the period 1937—39. An increase did actually occur, but was very much smaller than the smallest previously recorded wave which occurred in 1932-33: there were, in fact, over 40 per cent fewer deaths than then. There can be no question but that the control over smallpox is now very much greater than it was in the beginning of the present century. The number of vaccinations performed has steadily increased. From 1930 to 1937 the average yearly number of vaccinations carried out was 2,915,745. The average for the last three years has been 4,968,812. For the season 1939-40 the figure is 4,502,979.

That control is not much more effective even now, is mainly due to two factors:—

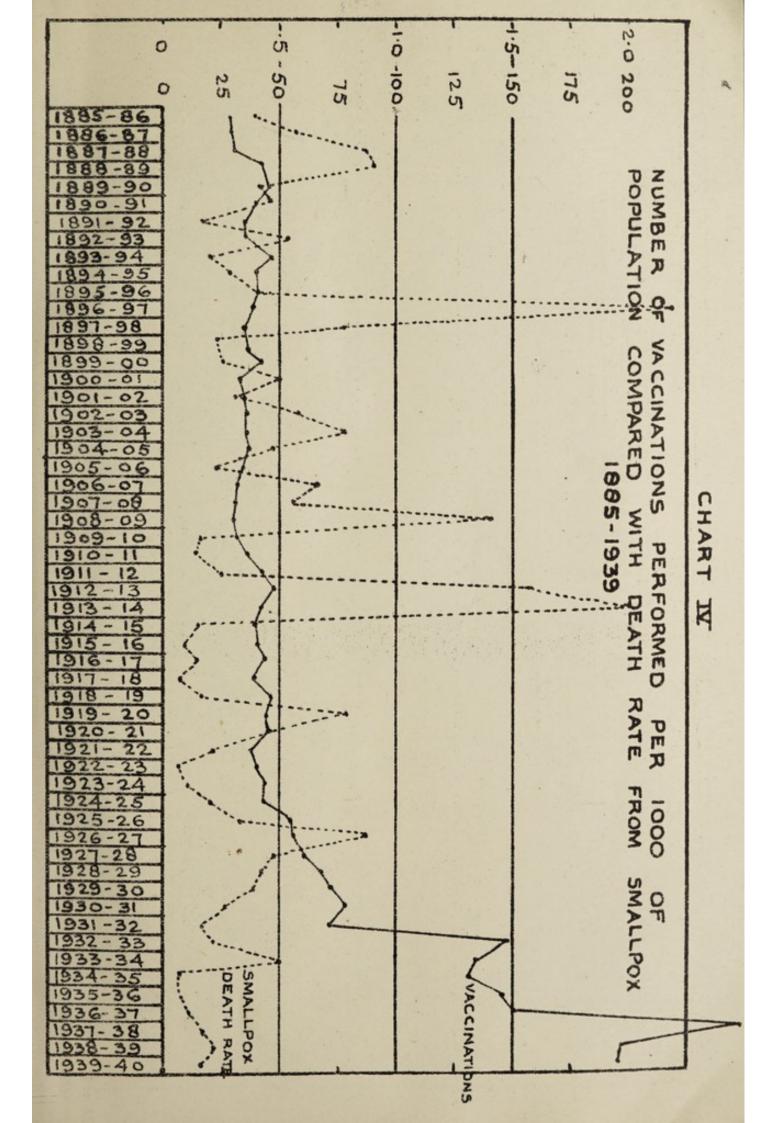
- (1) As has been already mentioned, many births are never registered, with the result that children remain unvaccinated.
- In 1939 over 50 per cent of the total number of deaths from smallpox occurred amongst individuals under five years of age.
- (2) Failure to report smallpox in a community when it first occurs.

Sixty-six per cent of notifications of the occurrence of small-pox are late notifications, i.e., they are made anything from a week to a month after the occurrence.

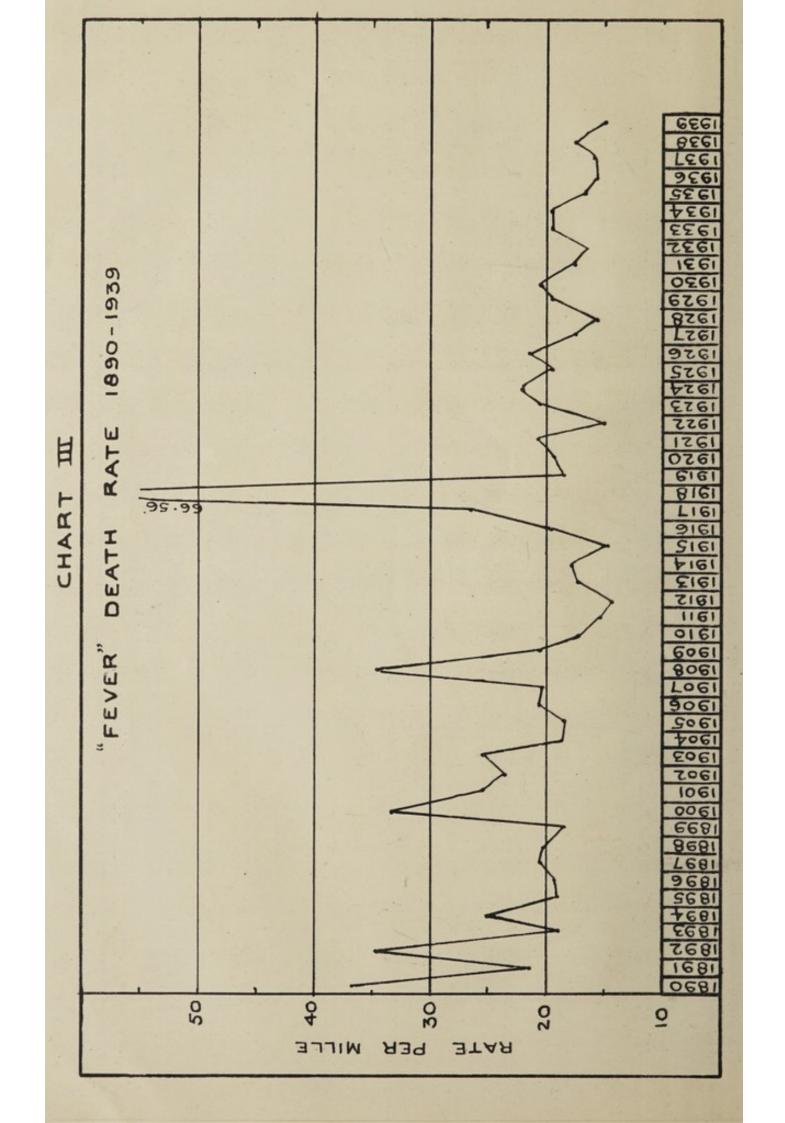
disease appeared in the Panjab, in which no case has been

There are in the Punjab a number of Indian States in which smallpox is very prevalent. The districts of the Punjab adjoining these States suffer far more from smallpox than other districts.

In 1939 there were 12,650 cases of smallpox with 4,311 deaths. In 1938 there were 12,307 cases, but the number



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of deaths was 5,455. This would seem to indicate that more people than formerly enjoy relative, if not absolute, protection, and points to the necessity for systematic revaccination in order that a high degree of immunity may be maintained throughout life.

Fevers.—As already mentioned, over two-thirds of the total deaths which occur in the Province in a year are registered as due to fevers. If we are to regard the results obtained by the medical registrars in Amritsar (who investigated deaths registered as due to fevers of one kind or another) as typical of what obtains elsewhere, a consideration of the individual diseases included under the head "fevers" seems hardly worthwhile. But at least we know that malaria was not unduly prevalent during 1939.

The usual sudden rise in the number of deaths recorded as due to fevers in the months of May and June again occurred in 1939.

Fevers of the enteric group are known to be very prevalent but no accurate figures are available regarding exact incidence or the number of deaths caused by this disease.

Only 40 deaths from cerebrospinal fever were recorded—about one-half of the number recorded in 1938.

Quinine Distribution.—Quinine was distributed from 466 special centres and 3,518 sub-centres by tahsildars, school teachers, vaccinators, and other officials. In addition, quinine was distributed from 733 hospitals and dispensaries. The quantities distributed free were:—

288 2 14. 288 1 14. 788,5	Quinine.	Cinchona febrifuge. Lbs.	Other cinchona alkaloids. Lbs.
From special centres and sub-centres.	1,152	50 v252 1 5 60	Smake-bite and ki
From hospitals and dispensaries.	2,529	198	4,000,34 and 2
bas been av decreas of adilators and thi tenic conditions is dil		450	he red 34 mil

Anti-malaria measures, apart from quinine distribution, were carried out only to a limited extent by the health staff

Bi Bi

in districts: the number of personnel available for work of this kind is very small and local bodies are unwilling to allot money for equipment and material.

The liaison which has been established between civil and military authorities in connection with anti-malaria work and public health measures generally, was maintained throughout the year. Joint Committees exist in all military stations and the result of their discussions has been better co-ordination and a more economical apportioning of work.

Tuberculosis.—Twelve thousand five hundred and nineteen deaths from pulmonary tuberculosis were recorded compared with 13,201 in 1938. These figures cannot be regarded as giving any real idea of the extent to which tuberculosis acts as a cause of death, because so many cases are never diagnosed, and so many of those diagnosed are never notified.

Injuries.—Deaths from injuries decreased by 240 compared with the previous year, the total being 7,852.

Deaths from injuries during the last two years are classified below:—

ted from 46	ndistribu	e was	DEATHS FRO	OM INJURIES.	Increase	
Adars, schoo In addition dispensaries	by take	soulies no 191	1939.	1938.	or decrease.	
		-: 913	7012 2011		deap odi	
Suicide	Long	Cénel	1,516	1,236	+47 +280	
Accidents	18.	1007	4,907	5,367	-460	
Snake-bite and beasts.	killed by	wild	846	1944 centres	_98	
Rabies	- 80		2,529	163 pag afatigag	-9 mora	

Dysentery and Diarrhæa.—There has been a decrease in the number of deaths in this group of diseases and this is gratifying but mortality from dysenteric conditions is likely to remain high so long as environmental hygiene is so defective both in towns and in villages.

Diphtheria. - Diphtheria accounted for 128 deaths compared with 88 in the previous year.

Leprosy.—Systematic survey work has been carried out since 1931 and the greater part of the Province has now been covered, namely, 21 districts out of 29. There are 1,887 known cases of leprosy in the Punjab including 666 housed in the five Leper Homes. Of the inmates of the Homes 84 per cent are non-Punjabis. Leprosy clinics have been established in connection with hospitals and rural dispensaries and there are now 158 of these special treatment centres throughout the Province.

Surveys were carried out during the year in Rohtak, Karnal, Sialkot and Kangra (Lahul area) districts. The results of these surveys were as follows:—

Number of villages surveyed	nor, on	1,659
Number of villages in which case teprosy were found	es of	d the officers i
Population surveyed	angra d	1,192,258
Number of leprosy cases detected males and 24 females)	(104	128
Classification of cases—		now 24 clini

Non-infe	ctious.	Infecti	Infectious.			
N 1	46	L1	5			
N 2	13	L 2	14			
N 3	ve31qel to	L3 (	19			
0.8 - 8.0	90		38			

The total population surveyed to date is 4,030,000 in 21 districts.

Thirty-eight new clinics were organized during the year in Government and local body dispensaries in Gurgaon, Rohtak, Sialkot and Kangra districts.

Forty-seven medical men from the areas surveyed during the year were trained in the diagnosis, treatment and prevention of leprosy. The total number of trained medical and health personnel in the Province is now:—

Health Officers		2
Doctors and know yavens of	Japie	341
Sanitary Inspectors	gerea	1 3
Nurses	up In	24

s now been

The Provincial Leprosy Officer, in addition to training the personnel mentioned, gave lectures and practical demonstrations on leprosy to the Final year medical students at the King Edward Medical College, Lahore, the Medical School, Amritsar, and the Women's Christian Medical College, Ludhiana.

The Provincial Leprosy Officer inspected all the Leper Homes and 63 clinics in Ambala, Ludhiana, Karnal, Jullundur, Hoshiarpur, Kangra, Amritsar, Sialkot, Gujranwala, Gujrat, Rawalpindi, Jhelum and Dera Ghazi Khan districts. Expert advice was given to the Superintendents of Homes and the officers in charge of clinics, and improvements in the work were suggested.

Effort in Kangra district is greater than elsewhere in the Province because leprosy is more prevalent there than in other districts. Work in Kangra district is controlled by a Leprosy Board which held three meetings during the year under the Presidentship of the Deputy Commissioner. There are now 24 clinics in the district including two at Garsa and Bhuntar in the Kulu valley.

The results of survey work in Kangra district during the year are-

Villages surveyed	13.	2	111
Villages in which cases found	of leprosy	were 8	11
Population surveyed	08		8,001
Lepers found (13 males a			17
ed t8 date IN 1.030,000	tion sutley	ala 3og	The total
N2 1	L3		listricts.
re or senized during the	v clinics wer	veril data	ia-visidT
y gispensaries in Gu	hod despis	8	d Governme

Hookworm.—Investigations into the prevalence of this disease were continued during the year. The following

table indicates the areas covered since survey work began in 1934, and the results obtained:— (c) Three tabsils of Sigkot district; This included the examinatio. II HAT peoimens from each of

-			189	61 villag	
bue	district	er district.	iduals (Stool ).	punoj	eggs of of
	Year.	Areas surveyed.	No, of individuals examined (Stool examination).	Percentage infected.	ity of i (No. of gramme
189.	during 19	was maintained	am a	ercenta	intensi tion ( per g fæces)
		the last three	No ex ex	bert Hred	Tra st
	49,423	1.283		37	of awono
1934	and 1935	Gurdaspur	1,323	81.328	323.96
1934	18,636	Hoshiarpur	1,018	87.42	387-88
1934	and 1938-39	Sialkot	13,940	55.69	99 167:46
1934-3	35	Ambala	1,478	67.45	326.94
1935		Gujrat CoolsM	882	66.09	125.80
1935	and humic	Jhelum	1,050	55.52	260.32
1935	tine Eun	Rawalpindi	1,285	29.49	146-57
1935 8	and 1938	Kangra	3,900	65-94	154.91
1935	Perage ove	Attock	1,200	53.58	241.66
1936	nod from	Ludhiana	900	83-22	216.21
1936	August, v	Jullundur	1,200	87.50	238-31
1936 8	and 1939	Amritsar	1,700	53.82	157-17
1936	ast, comp	Lahore	900	20:44	205:82
1936		Gujranwala	900	42.11	256.33
1936	as to see	Sheikhupura	900	20.77	120:71
1937	anoitib	Karnal	1,350	38.66	151:49
1937	-39 has a	Rohtak	1,350	12.99	ben 80.4
1937	-	Gurgaon -	1,800	20.94	84.65
1937	ours the	Hissar	1,500	4.13	52.45
1937-3	Hall At The District	Ferozepore -	2,250	12.8	92.84
1938	ns relative	Lyallpur	2,750	13.85	100.0
1938	trae fari A	Central Jail, Mont-	GLOOL ON EVEN	1 14.62	169-93
cher	e many o	gomery	osolute cer		determine
	pidemics	e outbreak of e	ibute to ti	nich conti	factors w
-					

In 1939 survey work was carried on in the following areas:—

- (a) Three tabsils of Sialkot district: This included the examination of 150 specimens from each of 64 villages;
- (b) One tehsil of Amritsar district.

Mass treatment was carried out in Sialkot district and also in Hoshiarpur and Gurdaspur districts.

In 1938, the number of treatment units was increased from 4 to 8. This number was maintained during 1939. The numbers treated during the last three years are as follows:—

1937	F		49,423
1938	esent inou	 grdaspur	87,863
1939	STON.	 anmeille.	118.636

Since mass treatment was commenced, 469,569 individuals have been treated.

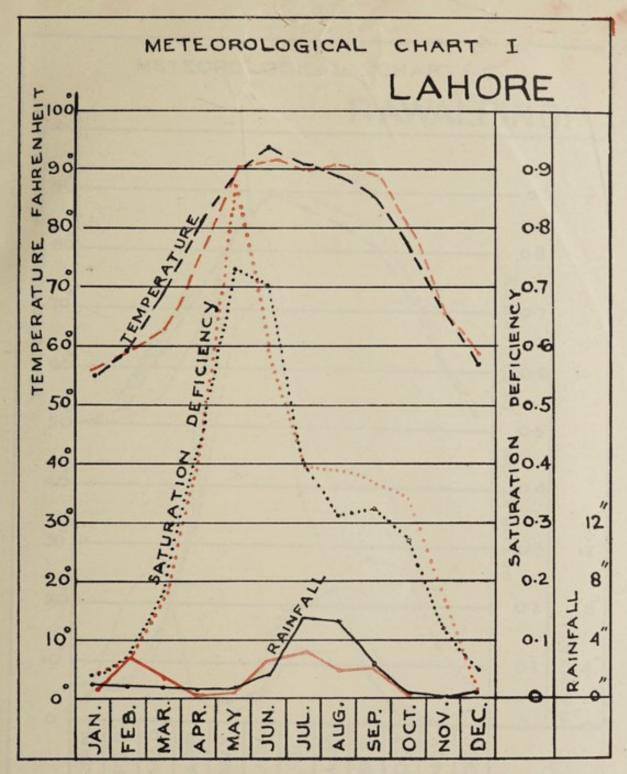
#### SECTION III - Meteorology.

A general idea of temperature. rainfall and humidity throughout the year, in characteristic areas of the Punjab, can be gathered from the charts. It will be seen that rainfall was less than normal throughout the Province. The temperature curve closely conformed to the average over a period of years. Humidity, as was to be expected from the temperature and rainfall, was less than usual. These conditions, particularly the low rainfall in July and August, were unfavourable to the development of epidemic malaria, and as has been already indicated, there was, in fact, compara tively little malaria during the year.

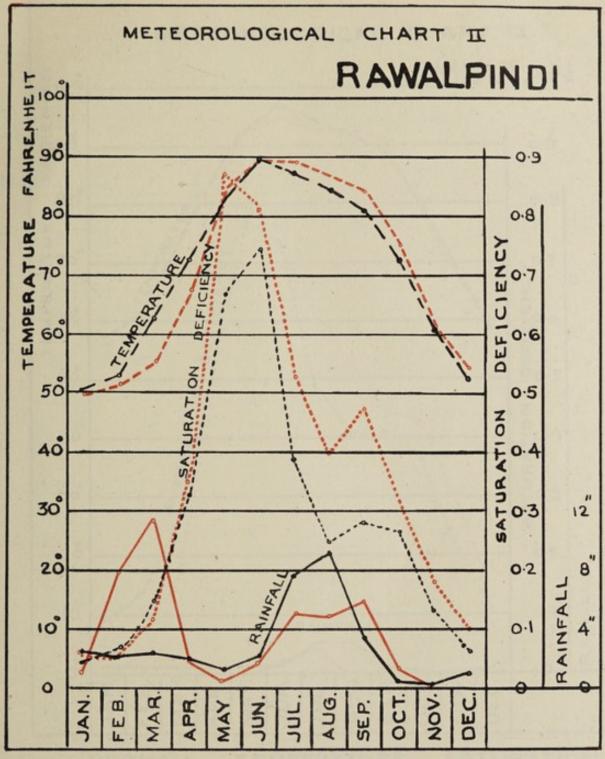
Low atmospheric humidity following a relative failure of monsoon rains is favourable to the development of small-pox. For a succession of years these conditions have obtained in the Punjab, and the period 1937—39 has been marked by a rise in the incidence of smallpox.

The absence of high humidity, which favours the outbreak and spread of cholera, has been associated with an absence of that disease.

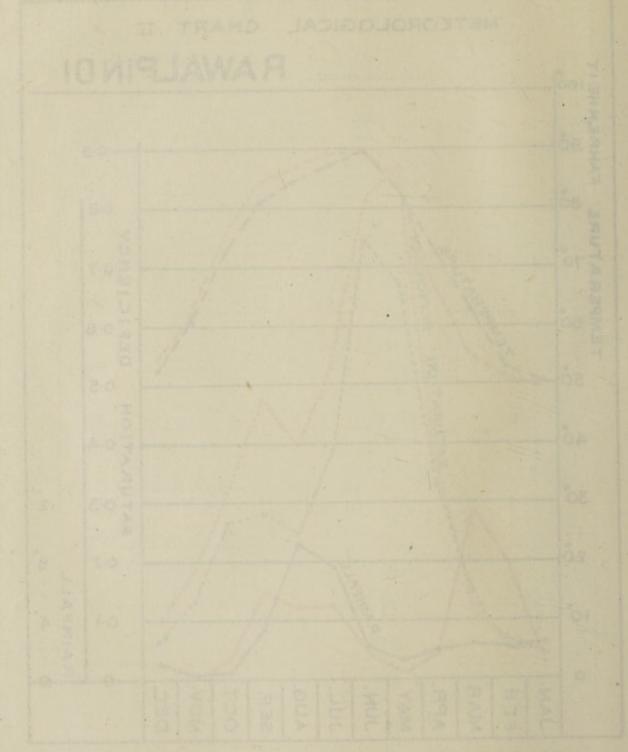
The exact role of meteorological conditions relative to the development of epidemic disease has not so far been determined with absolute certainty. There are many other factors which contribute to the outbreak of epidemics and



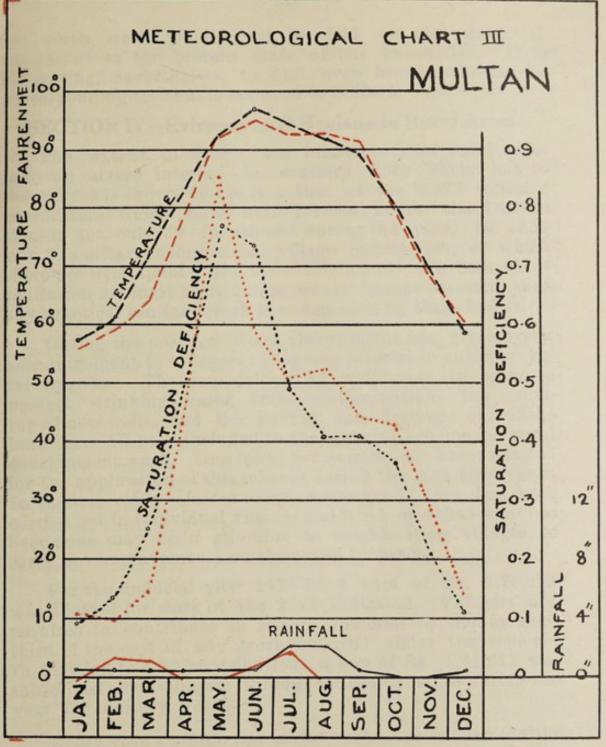
"NORMAL" TEMPERATURE, SATURATION DEFICIENCY AND RAINFALL ARE SHOWN IN BLACK. THE MEAN TEMPERATURE, MEAN SATURATION DEFICIENCY AND ACTUAL RAINFALL FOR THE YEAR 1939 ARE SUPERIMPOSED IN RED. THE DATA FOR LAHORE REPRESENT CLIMATIC CONDITIONS IN A TYPICAL PLAINS AREA OF THE PUNJAB.



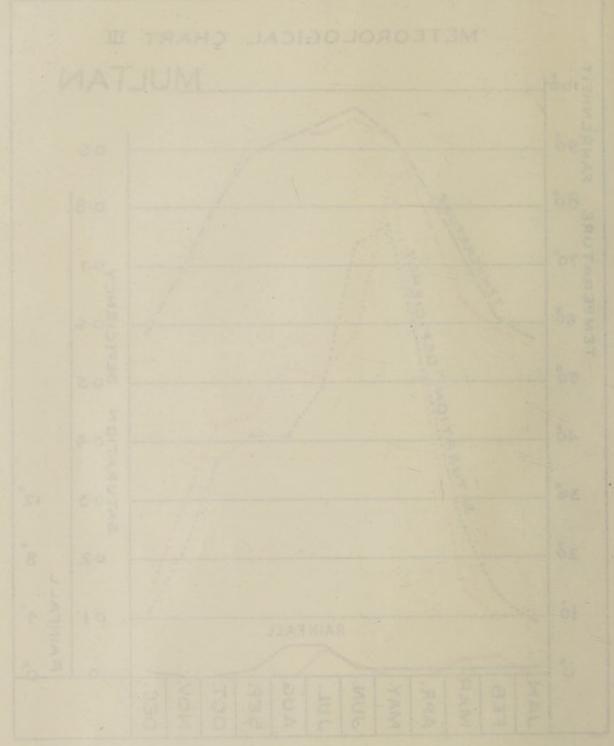
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AREA OF THE PUNJAB.

too much stress should not be laid on meteorological conditions in the present state of our knowledge. It is interesting, nevertheless, to find even broad associations corresponding to what is believed to be fact.

## SECTION IV—Evironmental Hygiene in Rural Areas.

The extent to which the inhabitants of rural areas take an active interest in sanitary work when left to themselves is shown by the fact that of the 2,973 sanitary committees which have been formed under the District Boards Act, only 39 functioned during the year. In addition to sanitary committees, village panchayats, of which there are over 1,500 in the Province, include the control of sanitation amongst their duties, but it cannot be said that any practical sanitary work is undertaken by these bodies.

During the past few years, Government has given every encouragement to villagers to take an interest in environmental hygiene. The remodelling of well-heads in order to protect drinking water from contamination, the sinking of new wells, and the paving and drainage of village lanes have all been included in the general scheme of rural development work. One tehsil per annum has been selected for the application of this scheme during the past two years. In these specially selected areas, much good work has been carried out in individual villages and it is hoped that what has been done may be a stimulus to neighbouring villages to carry out improvements on their own initiative.

For the financial year 1939-40, a sum of Rs. 2.75,200 was allotted for work of the kind indicated. Villagers are required to contribute in labour, material or money one-third of the cost of any work financed under the scheme. In addition to such contributions, a sum of Rs. 1,41,547 was subscribed by villagers throughout the Province during the year for sanitary works.

Every year a number of major works are carried out in rural areas by the Superintending Engineer, Public Health Circle, Punjab. Government has in the past few years given grants totalling Rs. 9,00,000 for rural water-supply schemes by which adequate and safe supplies of drinking water have been provided in many areas in which formerly they were lacking. Details of these schemes are given in the Superintending Engineer, Public Health Circle, Punjab's report.

It has been found that wherever health o ers show nitiative and resource in carrying out propaganda work,

too much stress should not be laid on meteorological progress is made in rural health work and where proper methods of approach are adopted, it is remarkable how much the villager is willing to contribute to work directed towards the preservation of his health.

An experiment in Co-operative self-help. -Three years ago the Medical Officer of Health in Hoshiarpur district established the first of a series of organizations which have come to be known as Health Bureaux. Since then eight Health Bureaux have been organized in three districts, and several of them have now been working for a period of three years. Funds have been collected and staff are being appointed for three more in Lahore district. When the first of these institutions was established, most people who came to know of it believed that there was no hope of others being organized either in Hoshiarpur or elsewhere. Nevertheless, to-day in Labore district, which was regarded as one of the most unhopeful, these institutions are flourishing. The fact that the same Health Officer who initiated the movement, has been responsible for extending it to Lahore district, indicates the degree to which individual personality and a proper understanding of the villagers' attitude count in making work of this kind successful. A special technique has, in fact, been evolved for approaching villagers and easy methods of making small regular subscriptions have had to be explained to them.

A Health Bureau is a curative and preventive Health institution which aims at the promotion of all measures pertaining to hygiene and health in the area in which it is located. It is an institution which belongs to the people themselves. It has been evolved by individuals, who are able to pay for their own medical treatment and health work generally, agreeing amongst themselves to contribute regularly towards this end. District Boards and well-todo private individuals in the area have helped by giving either donations or annual subscriptions, but the institution is essentially one which belongs to the people themselves and is controlled by a committee appointed by them.

Some id ea of the expenditure involved and the method of coll ecting funds may be gathered from the following :-

Initial non-recurring expenditure

Furniture and equipment .. Rs. 150 to Rs 200.

# Recurring annual expenditure-

bus 703

040 The :

Rent of accommo	dation an		nive Soci	ringo-ni	Rs.
Medicines		a dispensar	tive and	preyed.	300
Contingent	od	milie	er riedt b	nn sevi	60
Doctor's pay	buenker !	fees for	Year thad	memen	600
Boy servant's pay	y dimmo!	maging C	The Ma	neans.	48
Naib-Health's pa	y (Dispen			Non-	192
	bers		Total	TELURA	,400

This recurring annual expenditure of Rs. 1,400 may be reduced to Rs. 1,200 according to local conditions.

er Public Health Department helps by giving general

Method which has been applied in raising funds .-- The number of individual subscribers required in order to start a Bureau varies. If a relatively large amount of money is forthcoming as subscriptions from the local body, well-to-do private individuals, or other sources, then a Bureau may be started with as few as 50 members. On the other hand if the Bureau must depend more or less entirely on members' subscriptions, a membership of about 300 is required each paying Rs 2 every half year. Half-yearly payments at harvest times are most convenient for villagers and it is not difficult to obtain regular payments if this arrangement be adopted. Members may agree to subscribe collectively through common village funds, through commission on sales of animals, and in similar, ways, for instance, through the common good fund of a Co-operative Society. In addition, it has been found practicable to obtain donations on ceremonial occasions for instance, marriages, births, betrothals, and so on.

A Co-operative Society may elect to join as a body and pay, say, Rs. 25 to Rs. 100, according to its resources.

Other sources of income tapped have been Trusts. In some areas it is the practice for landlords and tenants to share any expense which is for the common good: in such cases the landlords may make themselves responsible for one-third to one-half of the yearly expenditure.

A Health Bureau is more or less localized. Ordinarily two to six villages have to combine in order that a reasonable number of private members, who will subscribe regularly, can be obtained.

in charge were required to tour in villages within a five

When a Bureau is formed it is registered with the local Co-operative Society, which audits all accounts.

All preventive and general sanitary work is free and all members receive free attendance and treatment for themselves and their families.

Non-members pay fees for attendance according to their means. The Managing Committee fixes fees. The Doctor receives half the fee and half goes to the institution. Non-members find that it is cheaper to subscribe regularly and become members.

The Public Health Department helps by giving general supervision and advice. All the resources of the Department are at the service of the institution; vaccines, disinfectants, etc., are supplied, attention paid to water-supplies, drainage and so on.

In addition to these larger institutions, 12 smaller organizations, which have been called "Sub-Bureaux", have been established in association with the rural dispensaries which have come under the control of the Public Health Department. Sub-Bureaux are really branch dispensaries.

Over 75,000 patients have been treated in one year by Bureau doctors, and over 125,000 have attended as out-patients at Sub-Bureaux. In addition, many non-members have availed themselves of the services offered by the Bureaux, and over Rs. 400 has been collected in fees from such individuals in one year.

A new departure in Public Health policy.—The idea that curative and preventive medicine should go band in hand in rural areas has been firmly upheld by the Resources and Retrenchment Committee appointed by the Punjab Government to advise regarding departmental changes which might appear desirable in the interests of efficiency and economy. If accepted, this would constitute the most important change in Public Health policy since the Public Health Department came into being.

Health work in rural areas has, in fact, been expanded in the manner indicated after a careful and critical examination of the results of an experiment which had been carried on for a period of three years. During that period the rural dispensaries in five districts of the Province were taken over by the Public Health Department. The doctors in charge were required to tour in villages within a five

miles radius of their dispensaries and, in addition to attending the sick in their homes, were made responsible for preventive health work in villages, under the supervision of District Medical Officers of Health. This scheme inaugurated by the Public Health Department has since been taken up by the Medical Department and applied to a number of dispensaries under the control of the Inspector-General of Civil Hospitals.

It will be observed from Table III that over 12,000 visits were paid to villages in a year by doctors in charge of dispensaries under the control of the Public Health Department, and more than 147,000 patients were treated in their own homes: these were mainly individuals who, owing to the severity of their illness or lack of transport, could not have been brought to a dispensary, and who, prior to the reorganization, would not have been seen by a doctor. Many thousands of cases of infectious diseases were treated, and measures taken to prevent the spread of infection in the family and in the community. Village birth and death registers were regularly inspected, entries regarding cause of death corrected where necessary, and village officials instructed in the proper carrying out of registration duties.

As a result of this expansion of health work in villages, we are beginning to gain a more accurate knowledge of the illnesses from which villagers suffer and of the diseases which cause deaths in villages.

Appendix XII shows the number of beds, number of patients treated, the nature of the disease from which patients suffered, and the number of deaths, in dispensaries under the control of the Public Health Department during the year 1939.

Flodel by laws for the regulation of building to the by the larger towns and to the the larger towns operation.

TABLE III.

The year's work by Rural Dispensary Doctors in five districts during 1939 after reorganization of Dispensary work by the Lublic Health Department.

a to a	ioid	ibbs ni	REMARKS.	ensa	qail	b ri		lin an	ribar a	reorganiza- maintain
er of usary uts.	ad	inder t	Discharged.	1,562	615	68	808	2,458	6,626	to reorganiza been maintain
Number of dispensary patients.	agr 6	ment i	Admitted.	1,689	673	1,085	98	3,671	7,087	prior his has
odt ta	Suppu	atients atte	Number of p	446,845	234,320	372,375	244,600	563,266	249,906	Work done
age of	1 33	and III	slost t	878	470	98	961	884	6204	leal
the in ville gisters in cestigated.	Pu	end ?	Sampler altered	ne	tt	nde	II 8		dispens	- Nee
Number of causes of deaths in village registers int restigated.	win	med. hen	у ашрек сонци	7,722	1,973	2,678	1,924	3,794	11,091	District Medical
diw sees	ile es		Malaria ; inclu	8,326	2,643	3,644	1,656	2,668	18,957	supervision of
the si	ins	e diseases.	othostat redio	213	235	2,969	503	923	6,442	1.977
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NUMBER OF NEW CASES OF HE UNDER-M-NTIONED DI KASES DISCOVERED IN VILLAGES.	Tuberculosis.	and 10 1	Pulmonary.	21	10	47	8	n sd	157	
NUMBE IE UNI EASE	abe	ed to	Choleta,	dt :	wio	ds	iz	dib	Appel	made possible
troff.	Of	diseas	Smallpox.	73	1116	53	100	108	1 88	
o dans	es S <b>v</b> [[j.	r ni noos stas	ing lo redman	42,601	25,696	87,178	12,263	39,257	147,980	New additional work Officers of Health,
ghtap	. seze	div of blad s	Number of visit	2,036	1,633	3,007	1,594	80,000	12,398	New add Officers
The same	.9	eiresmeqsib L	Number of rura	18	00	17	123	88	82	
1 100	to he	.(snotA far	Popul-tion (Ra	750,249	971,722	839,916	869,092	951,403	4,382,381	2
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1420		District.		Karnal	Hoshiarpur	Lahore	Gujrat	Montgomery	Tot al	
-			Serial No.	-	6.5	8	4	2	a Hvo	

#### SECTION V.—Urban Sanitation.

The defects in sanitation in the majority of towns in the Province have been dilated upon year after year. They are well known and need no further emphasizing. The means by which these defects could be eliminated are also well known and their introduction is primarily a question of making money available for the purpose.

The outstanding event of 1939 so far as urban sanitation is concerned, has been the commencement of work on the Lahore Drainage and Sewerage Scheme, which when completed, will revolutionize environmental hygiene in the capital city of the Province. It is hoped that this undertaking will stimulate an interest in modern sanitation in other towns in the Province, and that other municipalities may be induced to follow the example set them by Lahore.

Material advance in environmental hygiene in towns is best assessed by a consideration of the works in progress or completed by the Superintending Engineer, Public Health Circle, Punjab, during the year, details of which are given in his report. It will be seen that in nine towns watersupply schemes were completed and in five additional towns construction work relative to water-supply was in progress. Drainage schemes were completed in five towns and similar work was in progress in four more.

Housing.—There has been little advance during the year under review in housing throughout the Province. A town planning scheme for unbuilt areas has been prepared for the town of Ferozepore. Similar schemes exist for Lahore and Lyallpur. The position throughout the Province with regard to housing has been stated in former reports.

Under the Punjab Municipal Act, Municipal Committees have powers to regulate building, and building and town-planning schemes may be formulated. Similar powers are given to Small Town Committees under the Small Towns Act.

Model by-laws for the regulation of building have been issued by Government and in all the larger towns by-laws based on the Government model have been framed and are in operation.

Inspite of the powers given to local bodies and the existence of by-laws, there is much uncontrolled building and many dwelling houses exist in every town which are far from conforming with required standards. The chief reason for this state of affairs is, that inspite of the fact that sanction for the building of a house should be obtained and plans approved prior to construction being commenced, in many cases new buildings are erected without the sanction of the local authority ever having been obtained. Although buildings erected without authority and found not to conform with by-laws can be demolished, this drastic procedure is rarely insisted upon. In the majority of such cases small penalties only are inflicted in the form of fines and, in consequence, many buildings not conforming to proper hygienic standards are allowed to remain as they were built.

No special schemes have been prepared for the housing of industrial labour or for labour generally, although in a few towns private mill-owners have provided a limited number of quarters for their employees within the mill area In these cases, however, there is much overcrowding.

In colony towns, in irrigated areas, building is controlled by the Colony Rules which are enforced by the Colonization Department, with the result that towns are well planned and buildings conform to a reasonably hygienic standard.

In villages constant efforts are made by the Public Health Department staff to instruct villagers in methods whereby their houses may be made more hygienic. There are few villages in the Province where means of ventilation have not been provided in a proportion of houses at least, and properly constructed fire places with chimneys are gradually being introduced.

Infectious Diseases Hospitals.—Infectious diseases hos pitals exist only in nine of the larger towns of the Province and provide 179 beds for patients suffering from infectious disease. Less than a thousand cases of infectious disease are accommodated in these hospitals in a year. Until more beds for infectious diseases are provided, and hospitals are properly staffed and equipped, it is unlikely that patients will be willing to be treated in these institutions. At present these hospitals as a factor in the control of infectious disease have no material value.

#### SECTION VI.—Vaccination.

Vaccination throughout the Province is the responsibility of local bodies. Local bodies who elect to adopt the Vaccination Act are obliged to enforce primary vaccination. Revaccination is voluntary, but Government has under consideration measures to place it on the same basis as primary vaccination.

A majority of local bodies have, in fact, adopted the Act, so that primary vaccination may be regarded as almost universally enforced. The number of vaccinators employed by local bodies varies from year to year in individual districts but the general tendency is for local bodies to increase vaccination staff.

The number of vaccinations performed during the last eight seasons are given in Table IV:

m.	DIT	7.77
TA	BLE	IV.

	Year.	hat the	Primary.	Revaccinations	Total.
socinated is	belog vi	dron	c years wit	the age of 8	who reach
hadies de	ring, the	year		11 11 11 11 11 11	. gastotassu
1932-33	indure	VEVEL	1,003,564	2,603,721	3,607,285
1933-34	DOIGONI	Hagro -	950,385	2,255,971	3,206,356
1934-35			917,582	2,195,905	3,113,487
1935-36	bne este	distri	1,019,039	2,466,896	3,485,935
1936-37	report	this	1,040,407	2,508,674	3,549,081
1937-38	lispensal	210W	1,065,215	4,708,915	5,774,130
1938-39	the street		1,057,097	3,572,230	4,629,327
1939-40	****		1,072,841	3,403,138	4,502,979

Note.—Data in connection with vaccination refer to the period 1st April to 31st March.

It will be observed that there has been a fall in the number of vaccinations carried out during the 1939-40 season compared with the previous one. The figures for these two seasons and those for 1937-38 should, however, be taken together, because they represent parts of a single effort to anticipate and meet an expected rise in smallpox incidence. The average figure for these three seasons is

4,968,812 and it is on this figure that the expansion of vaccination work since the autumn of 1937, should be estimated. The increase is mainly in revaccination. Primary vaccinations, however, have also increased, and one must suppose that some at least of the omissions to vaccinate in infancy are now being overtaken in later years.

The percentage of successful primary vaccinations has been maintained at a very high figure for many years and the season 1939-40 is no exception to the rule. Ninety-nine per cent of primary vaccinations were successful. The percentage of successful revaccinations is naturally very much lower—varying between 63 and 68 per cent. This year it is 63.40 per cent.

The number of children under one year of age successfully vaccinated was 809,001 compared with 808,855 for the previous season. Children over one year but under six years of age, successfully vaccinated, numbered 145,003. This increase is greater by 9,278 than in the previous year. These two sets of figures suggest that the number of children who reach the age of six years without being vaccinated is becoming smaller.

As mentioned elsewhere, however, failure to register births is a serious handicap in the organization of vaccination work.

Details of vaccination work in districts and towns are given in statements appended to this report, which also contain information regarding the work done by the Special Provincial Staff, by the medical staff of dispensaries and by railway medical staff.

During the year the total cost of vaccination was Rs. 4,17,640 compared with Rs. 4,17,432 in the preceding year. This figure includes the cost of vaccination staff and material in towns and districts, the cost of the Special Provincial Vaccination Staff and the upkeep of the Vaccine Institute.

The cost of an individual vaccination operation varies considerably from year to year but the general tendency is for it to become less. During the 1939-40 season the cost

was Re. 0-2-6 as compared with Re. 0-2-5, Re. 0-2-10 and Re. 0-2-8 in the three previous years.

Vaccination in Indian States is of importance in connection with the control of smallpox in the Province as a whole. Table V shows the work done in the more important States during the last six seasons:—

#### TABLE V.

accossiss l	vacaaa	Patiala.	Bahawal- pur.	Nabha.	Jind.	Kapur- thala.	Faridkot
44,217	588	28,	15,651	-	- 11		1030-60
1934-35	rani.	113,349	22,947	12,670	11,403	13,502	11,151
1935-36	JEELO:	116,240	37,662	14,223	11,599	11,472	11,317
1936-37	ing a	98,829	46,388	14,257	15,543	15,304	10,672
1937-38		112,275	49,180	13,976	16,253	16,298	13,573
1938-39	m.io	129,983	51,593	14,620	25,942	18,016	14,895
1939-40	en e-la	144,560	58,339	15,546	22,536	32,055	11,622

The Vaccination Act was adopted by the following local bodies during the year:—

Ambala District

.. Civil Station Ambala City.

Shahpur District

. Tahsils of Bhalwal, Shahpur, and Khushab.

Lyallpur District

. Pirmahal Town.

Multan District

.. Dunyapur Town.

Ferozepore District

. Guruharsahai Town.

One thousand seven hundred and eighty prosecutions were undertaken against individuals who failed to comply with the requirements of the Vaccination Act. Thirty-eight thousand two hundred and fifty-nine notices were issued by District Medical Officers of Health notifying movements of unvaccinated children between one area and another.

The Special Vaccination Staff is maintained for the purpose of carrying out vaccination in Hill States and tribal areas in which outbreaks of smallpox would constitute a particular danger to the Province. This Special Staff consists of one Superintendent and 13 vaccinators. Table VI

shows the work done by the Special Vaccination Staff. during the last four years:—

## Vaccination in India .. IV 318AT importance in connec-

States	Year		i sola	Primary.	Revaccinations.	offs V elds
1936-37	1. per	01,000	W. 40	12,416	24,245	36,661
1937-38				18,787	21,764	40,551
1938-39	talant.	Sind	nordal.	18,677	20,653	39,330
1939-40		possett	1	15,651	28,566	44,217

The Superintendent of the Special Staff inspected the results of 4,442 primary and 4,026 revaccinations. The percentages of success were 99.59 and 73.02 in primary and revaccinations, respectively.

Punjab Vaccine Institute.—The method of manufacture of lymph at the Punjab Vaccine Institute is by the three-animal cycle, that is, the vaccination of buffalo calves with cow lymph, cow calves with rabbit lymph and rabbits with buffalo lymph. Only buffalo lymph is issued for vaccination purposes. Up-to-date refrigerator plant for the storage of lymph has now been introduced both in the Institute at Lahore and the branch in Murree, with the result that larger quantities of lymph can be stored for longer periods. This is not only a matter of convenience in meeting unexpected demands but has also had the effect of improving the quality of the lymph. By cold storage for a period of twelve months extraneous organisms in the lymph are considerably reduced in number.

During the year a new refinement was introduced in testing the sterility of lymph by making use of the mouse test.

The stock of lymph constantly maintained was increased from 34,000 tubes of 1 gramme each to 44,000 in 1938.

One lakh twenty-one thousand seven-hundred and twenty-five tubes of vaccine lymph each containing one gramme were prepared during the year compared with 107,441 in the previous year. The balance of lymph remaining over from the previous year was 40,051 grammes. Ot this total

125,030 tubes were issued during the year. The value of lymph sold was Rs. 1,24,063 and the profit to Government from sales was Rs. 88,080-8-3, an increase in profit of Rs. 13,893. Sales have increased compared with the previous year. The main reason for this is increased demand on the part of the Military authorities.

In the production of lymph 198 buffalo calves, 10 cow calves and 13 rabbits were used. Of these 180 buffalo calves, 10 cow calves and 11 rabbits were successfully vaccinated. The average yield of crude pulp per animal successfully vaccinated for the past three years has been :—

adi to egrado bled . H. Yearen of the Vestern older ol	Buffalo calves.	Cow calves.	Rabbits.
io lober principal edition of the remaining princip	Grammes.	Grammes .	Grammes.
1937-38		T .11 41 8 di	des les T.3
1938-39	120.4	38.1	2.5
1939-40	130.2	39.1	aw od 2.2d

This increase in the yield of crude lymph per animal is an important factor in determining the profit on sales accruing to Government.

The number of individuals trained in vaccination work has been steadily increasing during the past few years. This has necessitated the provision of a new lecture hall with accessory accommodation. The building is now complete and adequately meets requirements.

During the year the following numbers of different classes of individuals were trained in vaccination work:

POL	THAT THE WOLLD STANFACT THE VACCULATION OF	ACT	D .	
(1)	Sanitary Inspectors			
(2)	Untrained vaccinators	in.	2	
(3)	Private individuals		127	
(4)	Students of the Dayanand Ayurvedic College	e,		
-	Lahore	fre.	36	
(5)	Students of the Unani Tibbia College, Lahore		39	
(6)	Members of Sanitary Inspectors' Class		48	
(7)	Members of Lady Health Visitors' Class		11	
(8)	Students of the Domestic Training School	ol,		
mart	Lahore della		31	
(9)	Students of the 4th year M.B., B.S. Class	of		
10 10	the King Edward Medical College, Lahore		85	

#### SECTION VII.—Public Health Staff.

Lt.-Col. C. M. Nicol, M.A., M.D., D.P.H., I.M.S., held charge of the office of Director of Public Health throughout the year.

Khan Bahadur Dr. A. H. Butt, D.P.H., held charge of the office of Assistant Director of Public Health, Central Range, up to 31st May when he proceeded on leave for four months and again from 1st October till the end of the year. Dr. A. R. Mehta held charge of this office for the period 1st June to 30th September.

Rai Sahib Dr. G. R. Vohra, D.P.H., held charge of the office of Assistant Director of Public Health, Western Range, throughout the year until 15th December, the date on which he retired from service. Lt.-Col. C. M. Nicol, I.M.S., held charge of this office for the remaining period of the year in addition to his own duties.

Rai Sahib Dr. M. J. Thakor, D.P.H., held charge of the office of Assistant Director of Public Health, Eastern Range throughout the year except from 4th March to 3rd April when he was on leave. Rai Sahib Dr. Harnath Singh held the charge for the period Dr. Thakor was on leave.

The following officers held the appointments noted against each, throughout the year:—

Dr. M. Yacob, Dr. P.H... Assistant Directer of Public Health,
Punjab, Epidemiology, and Personal Assistant to the Director of
Public Health.

Khan Sahib Dr. K. S. Superintendent, Punjab Vaccine In-Shah, D.Sc., D.P.H. stitute.

Dr. Amrit Singh, D.P.H. Medical Officer of Health, Factories and Statistical Officer.

Dr. M. M. Khan, D.P.H... Nutrition Officer.

The sanctioned cadre (35) of District Medical Officers of Health remained the same as last year.

The following officers remained on foreign service :--

- 1. Dr. R. B. Lal .. Under the All-India Institute of Hygiene and Public Health, Calcutta, throughout the year.
- 2. Dr. M. L. Talwar .. Under the Municipal Committee,
  Ajmere—Rajputana, throughout
  the year.

- 3. Dr. Balmokand .. Under the Municipality of Lahore, up to 22nd May, 1939.
- 4. Dr. Abdul Hamid .. Under the Municipality of Lahore, from 23rd May, 1939.
  - Dr. V. V. Puri .. Under the Municipality of Lahore, from 22nd August, 1939.
  - 6. K. S. Dr. S. R. A. Shah Held a Fellowship under the Rockefeller Foundation of America, up to 22nd November, 1939.
  - 7. Dr. Wazir Singh .. Military duty from 17th September, 1939.

A new post, namely, that of Entomologist, was created for a period of five years as from 1st April, 1939, and Dr. Dev Raj Mehta, M Sc., Ph.D. (Cantab) who came from the Research Laboratory, Kasauli, was appointed to fill it.

There was no change in the permanent subordinate provincial public health staff of Sub-Assistant Health Officers and Sanitary Inspectors.

Twenty-three Sanitary Inspectors were temporarily engaged in connection with health work in famine areas in Hissar and Rohtak districts.

The control of Famine Relief Camp dispensaries in Hissar district was transferred from the Medical to the Public Health Department with effect from 8th December, 1939.

Appendix VII gives in detail the distribution of health staff in rural areas and urban areas.

The Director of Public Health toured in 12 districts during the year and attended the second meeting of the Central Advisory Board of Health at Madras and also meetings of two special committees appointed by the Central Advisory Board of Health to report on—

- (1) the possibility of introducing a system of compulsory inoculation of pilgrims;
- (2) the question of food adulteration in India with particular reference to legislation now in force in different provinces and to the varying standards which are in force.

He also attended the Research Workers Conference at Delhi in December. Assistant Directors personally inspected 76 towns, 430 villages and 24 schools.

District Medical Officers of Health carried out routine inspections in 190 towns and 4,260 villages.

## SECTION VIII. - Maternity and Child Welfare.

Maternity and Child Welfare work includes—

- (1) the training of Health Visitors at the Punjab Health School, and
- (2) the work carried on by Maternity and Child Welfare Centres throughout the Province.

The only material change in connection with the training of Health Visitors which took place in 1939 was the transfer of the village training centre from Baghbanpura to Dholanwal; the latter village provides much better facilities for training under rural conditions. This is a matter of great practical importance since a certain proportion of students, on completing their training, are required for village work.

Eleven students were trained at the School during the year and all succeeded in obtaining the Health Visitors' Diploma.

The Health School participates in general health propaganda and instruction, and an exhibit was organized at the Industrial Exhibition in Lahore. Lectures were given by the Principal to Panchayat Officers, to Sub-Inspectresses of Co-operative Societies under training, and to pupils under instruction at the Domestic Training School.

Eight new Maternity and Child Welfare centres were organized in the Province during the year bringing the total to 102. The majority of these centres include work in rural areas as part of their routine activities, although all are not situated in villages.

The organization of pre-natal clinics at centres has been facilitated by the services of Lady Doctors employed at Civil Hospitals and Dispensaries being placed at the disposal of Centres. Fifty-two pre-natal clinics have been established and 7,537 expectant mothers were examined.

The training of dais has progressed satisfactorily. Two thousand five hundred and ninety-three were under training throughout the Province. During 1939, 627 dais obtained

certificates compared with 563 in the previous year. Of those who obtained certificates, 331 came from villages.

In addition to the above numbers, 2,246 previously certificated dais were practising in the areas served by the various Health Centres. Refresher Courses for these women were held once a month at most of the centres, in order to help them in maintaining a good standard of work.

Dais, trained and under training, conducted 39,524 confinement cases in the Province. Of these, 11,055 cases were supervised personally by Health Visitors, medical aid being called in 502 cases.

Of the total number of cases conducted by dais, i.e., 39,524, 22,127 were seen during pregnancy by Health Visitors.

Home visiting and Centre clinics.—The consolidated figures for the number of home visits paid by Health Visitors and the attendance of mothers and infants at Centres are given below:—

MEE COUPANT CHICAGOS IN OTHER	THE PARTY AND PROPERTY.	
	Home visits.	Centre attendance.
Pre-natal 1st visits	27,821	19,980
Do. revisits	42,254	34,843
Infants 1st visits	51,872	39,818
Do. revisits	113,111	89,619
Toddlers 1st visits	34,577	26,297
Do revisits	62,809	67,899
Casuals	71,880	91,355
d hookworm disease. Tood h	404,324	369,311

The results of the above combined activities are reflected in maternal mortality rates: in the different areas served by Centres the maternal mortality rate varies between 3 and 9.6 per 1,000. It should be understood that these figures are for normal cases and do not include cases referred to doctors on account of complications of varying kind and degree. In the area served by the Punjab Health School training centre, 245 normal confinements were conducted by dais under control, and no death among the mothers occurred.

All the Health Visitors working in the Province are trained vaccinators and carry out vaccination work as

required. The following vaccinations were performed by them:

In addition, 503 cases of tuberculosis, 85 cases of venereal diseases, 301 abortions, and 120 cases of Ophthalmia. Neonatorum were referred to hospitals.

## SECTION IX.—Epidemiological Investigations.

This work is centered in the Epidemiological Bureau, the staff of which was strengthened during the year by the appointment of an experienced Entomologist, and by the formation of a Field Epidemiological Unit consisting of:—

 The Entomologist.

 Sub-Assistant Surgeons
 2

 Clerk
 1

 Laboratory Assistant
 1

 Supervisors
 6

 Sanitary orderlies
 12

The Department is now in a position to carry out scientific investigations into epidemic disease of every kind, and has at its disposal a special staff of Sub-Assistant Health Officers and Sanitary Inspectors to undertake special and emergency preventive work when occasion arises.

Special investigations into endemic disease have, in the past, been mainly in connection with survey and treatment work relative to leprosy and hookworm disease. To these investigations has now been added malaria survey work. It is a matter for great satisfaction that a beginning has now been made to investigate scientifically the most important endemic disease in the Province which for a number of years now has received comparatively little attention. Malaria is always with us and, except in years of fulminating epidemics, mere familiarity has led to a complacent attitude being adopted towards this, the greatest single cause of ill-health in the Province. There is every reason to believe that, in a few years' time, data will be available on which a more rational scheme of anti-malaria work than has hitherto been possible, may be instituted. At present every district has a nucleus of equipment and personnel for carrying out anti-malaria measures to a limited extent.

and voluntary workers have been earmarked for quininedistribution on a large scale, should malaria appear in epidemic form.

An important part of anti-malaria work is, however, the scientific investigation of the factors which determine the occurrence and the spread of the disease, and it is on this fundamental work that the Field Epidemiological Unit has now made a beginning. Investigations were carried out during 1939, from the month of April onwards, in the area between the Civil Station and Lahore Cantonments, i.e. the area formerly known as Mianmir, which enjoyed the unenviable reputation of being one of the most malarious parts of the Province.

Much work of a general sanitary character, including drainage work, has been carried out in this area in recent years, but it is still a danger zone for both civil and military populations. It is interesting, however, to compare records of investigations made at the beginning of this century with those of the present. James found in 1901 that 52 per cent of children in this area had enlarged spleen, and that 37 per cent had malarial parasites in their blood. Now the spleen rate is 3.5 per cent and parasites were found in the blood of less than one per cent of children. Four-hundred and sixty-two children under 10 years of age were examined. This is a remarkable testimony to the effectiveness of general environmental sanitation.

During the nine months of 1939 in which investigations were carried out, 5,565 adult mosquitoes were captured and identified. In addition to adult mosquitoes, 1,000 larvæ were bred out in the laboratory and the adults identified.

Two hundred and forty-four adult anophelines were dissected, namely:

A. culicifacies	parties to	TRIBLETIA	Tri Charle	105
A. stephensi	diloongish	Hone III	10 20.00	78
A. annularis	o due naly	man edd be	ecessitat	29
A. subpictus	homical t	abor: 2023	eds agiz	27
A. pulcherrimus	and grap	amenta in	reparation	5

and in no case were the salivary glands found infected. Malarial infection was found in the midgut of two only, namely, A. culicifacies, and A. stephensi. In 1903, James-dissected 259 specimens of A. culicifacies from this area and found the salivary glands infected in 4.6 per cent of cases.

Observations indicated that the two most dangerous species of anophelines, namely, A. culicifacies and A. stephensi were breeding mainly in irrigation channels, burrow pits, reservoirs and wells.

Extensive anti-malaria measures were undertaken in the Mianmir area and the Chhota Ravi area with the object of permanently eliminating certain breeding places and controlling others.

The laboratory staff of the Epidemiological Bureau carry out the examination of specimens collected during field investigations in connection with malaria and hookworm disease, in addition to undertaking the routine work of the laboratory which consists of bacteriological examination of waters and of morbid material from cases of infectious and epidemic disease.

Altogether 28,017 specimens were dealt with in the Bureau during the year, including 2,781 samples of water from a variety of sources.

The usual forecast of the probable prevalence of autumnal malaria was prepared by the Assistant Director of Public Health, Epidemiology, and his staff. In this connection the results of spleen examinations in school children throughout the Province are submitted to detailed examination, and information of considerable value regarding the endemicity of malaria is derived therefrom. In recent years the forecast has proved of definite value in indicating whether or not special measures are likely to be required for the control of autumnal malaria, and the prediction for 1939 conformed to the standard of accuracy established in past years.

In the selection of sites for proposed new public buildings, the Bureau staff advise regarding general hygienic conditions and, in particular, in regard to possible mosquito breeding on sites or in their neighbourhood. Work of this character necessitated the carrying out of three small malaria surveys during the year.

The preparation of charts and graphs relating to vital statistics and epidemiology is undertaken by the Bureau and the collection and tabulation of meteorological data.

Propaganda.—The photographer attached to the Bureau makes photographic records of field work, and prepares prints and magic lantern slides which can be made use of for propaganda purposes.

Magic lantern slides have been prepared by the Department to illustrate lectures on 10 different subjects, sets of slides on eight other subjects have been purchased and four coloured sets of slides on health subjects have been obtained from the Red Cross Society. A cinematograph film on child welfare has been purchased and is being exhibited whenever occasion offers.

In 25 districts local journals, such as "Dehat Sudhar" monthlies, are published and health propaganda articles are printed in these papers from time to time.

At most fairs throughout the Province public health exhibits of one kind or another are organized and baby weeks are held in a number of districts.

Much publicity work is carried out by public health staff in districts. This included the delivery, during the year, of some 16,000 talks on health subjects.

Pamphlets in English and the vernacular languages have been prepared on 18 different subjects. Nine posters (seven of them coloured) are available for exhibition and hand bills on eight subjects are distributed to the public on appropriate occasions.

During the year radio talks by members of the public health staff were given on 28 different subjects including nutrition, personal hygiene, the prevention of important diseases, such as tuberculosis, malaria and enteric fever, and rural sanitation. Notes on similar subjects were supplied by the Department for inclusion in the fortnightly broadcast called "A Farmer's Diary".

Personnel of hookworm investigation and treatment units carry out anti-hookworm propaganda. Lectures are given, a number of which are illustrated by magic lantern slides, pamphlets on the disease in Urdu and Hindi are distributed, coloured posters exhibited, and gramophone records made use of.

# SECTION X—Chemical Laboratory Investigations.

The Public Health Chemical Laboratory exists primarily for the analysis of samples of foodstuffs forwarded for examination by local bodies under the Punjab Pure Food Act. The Act was adopted by 31 additional local bodies during the year, bringing the total number of local bodies applying the Act to 140. The Public Health Chemist is public analyst to 123 of these local bodies.

One thousand and sixty samples of food were received for analysis during the year, under the Punjab Pure Food Act, 751 of which were samples of ghee. One hundred samples were received from bodies who have not adopted the Act.

Routine examination of waters from all over the Province is carried out at the laboratory. Two hundred and fifty-nine samples were examined during the year.

The Chemist carries out chlorination of water supplies at all important fairs, and is responsible for the proper working of chloronomes installed at waterworks throughout the Province.

Two important investigations are proceeding in the laboratory:—

- (1) The investigation into the fluorine content of Punjab waters is progressing. Sufficient data have not yet been collected from which any final opinion can be formed regarding the presence of detrimental amounts of fluorine in water-supplies. It would seem, however, that shallow well waters are mainly affected, and that water from deep tube-wells contain fluorine in negligible quantity.
- The fluorine content of drinking waters has assumed an importance hitherto not appreciated. The dental condition known as mottled enamel is due to the presence of fluorine in drinking waters and this condition has been shown to affect a large proportion of the inhabitants of one town at least in the Punjab, and of several villages.
- It is important that our knowledge of the fluorine content of water-supplies should be as full as possible, and that the presence of fluorine should be excluded before a source is approved for the water-supply of any community.
- (2) The importance of establishing proper standards for the determination of the purity of ghee has been recognized, and the Chemist is now examining samples of ghee from different parts of the Province. It is necessary in this connection to see animals milked, take the milk into

custody until the fat is removed, and supervise the naking of the ghee in order to make sure that only pure ghee is obtained. These precautions are necessary because adulteration of ghee is universally practised even in villages.

The Chemist gave valuable technical advice to Government in connection with the decision that artificial ghee should be coloured with the object of making its use as an adulterant of animal ghee less easy.

In the course of his work, the Chemist brought to light an interesting case of adulteration. It was found that large quantities of powdered turmeric offered for sale to the public were not turmeric at all, but consisted of powdered starch coloured with a harmful dye. This finding by the Chemist was the means of drawing the attention of the Government of India to this matter.

### SECTION XI.—Industrial Hygiene.

Industrial health work is gradually expanding in the Province, and the provisions of the Factories Act dealing with health matters are now much more effectively applied than they were a few years ago.

The number of factories in the Province is increasing; there are now 917 compared with 887 in 1938.

All Assistant Directors of Public Health and District and Municipal Medical officers of Health are additional Factory Inspectors. This has not only facilitated the work of inspection, but has made it possible for a local health officer with authority to assist factory managers in carrying out recommendations for the improvement of health conditions.

During the year, 284 factories were inspected and of these 150 were visited by the specialist Health Officer for Factories. Eighty-six of the factories inspected were revisited in connection with the carrying out of recommendations made.

Factory owners and managers are gaining a much clearer idea of what is required of them in relation to environmental hygiene and the safeguarding of the health of workers. This has led to a greater interest being taken in health matters. Prosecutions for non-compliance with

instructions issued can now with greater reason be undertaken, and have, in fact, proved effective in checking carelessness and neglect.

During 1939 there was a definite improvement in the general cleanliness of factory compounds and work rooms. The protection of water-supplies is receiving much more attention, latrine accommodation has been improved, and increased facilities have been provided for first-aid to the injured.

Under the Factories Act, factory owners and managers are not obliged to provide housing accommodation for labour. The result is that in most cases no such accommodation exists. In the few cases in which it is provided, the number of houses is usually insufficient to meet the demand, with the result that overcrowding is everywhere prevalent. It is unlikely that any material improvement in housing conditions will be effected until legislation is introduced to make the provision of suitable houses for labour obligatory.

Special rules exist under the Factories Act regarding standards of atmospheric temperature and humidity to be maintained in Cotton Textile Mills in which the atmosphere is artificially impregnated with moisture to facilitate technical processes. Investigations by the Medical Officer of Health, Factories, brought to light the fact that these rules were not being observed, and that factory managers are much more concerned that atmospheric conditions should suit technical processes than that they should be made to conform to the requirements for the comfort and health of operatives. There has been a general tightening up in the application of the rules in consequence of representations made by the Public Health Department.

Although progress in industrial health work has been made, we cannot afford to be complacent regarding what has been achieved. There is still much to be done before conditions even approach those obtaining in certain Eastern and Western countries where owners and managers have appreciated the fact that hygiene and welfare work is worthwhile even from the limited economic point of view.

During the year 1939, 23 mines were inspected by officers of the Public Health Department.

Greater interest is now being shown by owners and managers in the welfare and health of workers in mines. Water-supplies have been improved in most cases, living

accommodation has been provided at certain mines, and general environmental sanitation has been improved by the provision of additional latrine accommodation. At most mines a number of men have been trained in first aid work, and the necessary equipment for dealing with accident cases is maintained.

### SECTION XII.—Fairs and Festivals.

The provision of adequate and safe drinking watersupplies and proper sanitary arrangements at fairs is an important factor in preventing the spread of infectious and epidemic disease.

During 1939, the usual routine measures were applied at all the more important fairs held in the Province. Altogether a sum of Rs. 34,400 was spent on sanitary arrangements by bodies responsible for the organization of fairs. These bodies are coming to recognize the advantages of having permanent sanitary installations on the grounds on which fairs are regularly held. In at least eight instances permanent protected water-supplies have been introduced, and in an equal number permanent sanitary conveniences.

During 1939, no outbreak of infectious or epidemic disease was reported as having occurred as a result of the congregation of people at fairs.

The sanitary requirements at fairs have now become stereotyped and Government has issued model regulations for District Boards and model by-laws for urban areas, which local bodies may adopt for the better planning of the sanitary arrangements for fairs. The regulations and by-laws deal with accommodation for visitors to fair areas, water-supplies, food supplies, washing and bathing, conservancy, and infectious diseases. Already four District Boards and two Municipal Committees have adopted these model regulations.

### SECTION XIII.—Nutrition.

An investigation into diets and state of nutrition was carried out in one of the famine areas of Hissar district early in 1939. This is of interest because it is, so far as is known, the first occasion on which famine relief has been approached from the scientific point of view. Findings were correlated with scales of pay for workers on relief works, with the price of food-grains, and with the physiological requirements of workers and in this way the efficacy of relief measures was assessed.

A nutrition survey in Lyallpur district was commenced in April and is still continuing. It is hoped that the results of this inquiry may make it possible to state accurately what the standard of nutrition is in one of the most flourishing districts of the Province.

Much propaganda work in connection with nutrition was carried out as in former years.

# SECTION XIV.—Medical Inspection of Schools and School Children.

Medical inspection of school children is now properly organised in eight of the larger towns under the supervision of Municipal Medical Officers of Health and in four small towns and five large villages. At the end of 1939, there were 44,810 boys and 8,900 girls being regularly examined, a majority of them twice per annum, and receiving treatment where necessary. This is an increase compared with last year of approximately 9,000 boys and 1,000 girls.

In 1937, when a departmental memorandum was issued with the object of encouraging local bodies to take up medical inspection of school children, there were 16,497 children being regularly examined. There are now 14 medical officers whose time is wholly occupied in the medical inspection of school children and, in addition, 14 partly employed on this work. Of these 28 officers, nine are medical women.

Milk schemes have been organized in connection with medical inspection in two towns.

In 1938, local authorities gave grants for the medical inspection of school children which totalled Rs. 16,079. In 1939, grants rose to Rs. 26,567. In 1938, scholars subscribed Rs. 10,905, in 1939, Rs. 11,731.

In one town, namely, Ferozepore, where an excellent scheme is in force, the whole of the expenses in connection with medical inspection of school children are defrayed by subscriptions from the children themselves. The committee responsible for this organization employ a whole-time medical officer, a part-time lady doctor, and three dispensers (two male and one female). Twenty-one schools participate in the scheme—five high schools, three middle, and three primary schools—all boys institutions, and three high, two middle and five primary girls schools. The total income during the year

was Rs. 3,018 and the expenditure Rs. 2,987. Four thousand and four boys out of a total on the rolls of 4,092 were examined during the year and 1,672 girls out of a total of 2,018 on the rolls.

It is gratifying to note the expansion in the medical inspection of school children in areas where the scheme advocated by the Public Health Department has been adopted. In Montgomery, for instance, the central organization is in Montgomery town, and works under a School Children's Health League Committee headed by the Deputy Commissioner. School masters, school mistresses and municipal and district officers serve on this committee. In the town of Montgomery itself, two boys' high schools and two girls' high schools participate in the scheme together with all the primary municipal schools both for boys and girls, numbering 12.

The stimulus given to medical inspection of school children by this central organization has made itself felt in neighbouring towns in the district. At four other towns and five large villages, arrangements have been made for the examination of each child in every school to be carried out twice a year and for weights to be taken twice a month. A record card is kept for every student and teachers are made responsible for sending children with defects for regular treatment by the medical officer. One whole-time and seven part time medical officers are employed by this group of towns and villages and five whole-time and one part-time dispenser. Five thousand seven hundred and sixty boys were examined during the year in 50 per cent of whom defects of one kind or another were found and treated.

Much information of value has been obtained as a result of the medical inspection of school children. Some of the more interesting figures are given below:—

# Boys. Girls. Total examined .. 44,810 8,900 Physical condition — Good .. 60.28 per cent. 58.64 per cent. Below par .. 23.85 , , 14.96 , , Poor .. 15.87 , , 26.40 , ,

# Chief defects found - and to leter a lot to avoid toll bus

### Percentage of total examined - 3897 and garant beatimexe

Boys.

Malnutrition .. 9.66 per cent.

Defective vision .. 8.38 ,, ,,

Diseased tonsils and adenoids .. 19.94 ,, ,,

Enlarged spleen .. 1.21 ,, ,,

Tuberculosis (Pulmonary) .. 24 (actual).

Tuberculosis (non-Pulmonary) .. 188 (actual).

Medical Officers of Health inspected the school premises of 770 schools during 1939. The figure for 1938 was 443. Questions relating to ventilation, lighting, drinking water-supply and general sanitation were investigated and school authorities were advised regarding improvements.

C. M. NICOL,

M.A., M.D., CH.B., D.P.H.,

SIMLA-E, ad at lander views at

LT-Col., I.M.S.,

Dated 8th August, 1940. Director of Public Health, Punjab.

regular to a the medical officer. One whole time and seven part the medical officers are employed by this group of towns and villages and five whole-time and one part-time dispenser. Five thousand seven hundred and sixty boys were examined during the year in 50 per cent of whom

defects of one kind or apother were found and treated.

### APPENDIX I.

### Male and female births and birth-rates.

	MAL	ES.	FEMAI	ES.	Excess of	Rate of	
Year.	Births.	Birth- rate.	Births.	Birth- rate.	male over female births.	excess.	
1939 1938 1934—38	588,531 615,125	21·6 23·1 20·8	523,073 550,712	19·2 20·6 18·6	65,458 64,413	2·4 2·5 2·2	
10.01- 70.02+ 874- 760,71	7,705 61,258 6,245 6,545 85,987		6,0	in a	and Diagon		
		85 85 85					
	with th			H 100 205.			
Rural.							
100000 mmay 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 100000 1000000	0.00.0 0.27 0.27 1.26 4.78 4.78			40-75 000			
Ex-22 .	08'08			All co			

### APPENDIX II.

The number of deaths in Rural Circles and Urban Areas under each main head of mortality during the years 1939 and 1938, are contrasted below.

### (a) Rural Circles.

Causes of deaths.	1939.	1938.	Increase or decrease.	
Plague	3,381 379,266 6,141 63,466 6,667 74,330	4,914 4,644 1 379,310 7,705 61,259 6,945 85,987	$-4,897$ $-1,263$ $-1$ $-44$ $-1,^{t}64$ $+2,207$ $-278$ $-11,657$	
Total	533,268	550,765	-17,497	

### (b) Urban Areas.

Causes of deaths.			1939.	1938.	Increase of decrease.	
Cholera	A unud,		2	846	-844	
Smallpox	**		930	811	+119	
Plague		***				
Fevers			29,410	30,888	-1,478	
Dysentery and D	iarrhœa		4,348	4,341	+7	
Respiratory Dis	eases		16,309	16,409	-100	
Injuries			1,185	1,147	+38	
All other causes	***		17,740	17,492	+248	
	Total		69,924	71,934	-2,010	

### Comparison of death-rates in Towns with those in Rural Areas.

		DURING 1939.				
	Causes	Urban.	Rural.			
Cholera		2.09			0.0005	0.001
Smallpox					0.27	0.14
Plague						
Fevers					8.54	15.94
Dysentery a	ud Diarr	hœa			1.26	0.26
Respiratory	Diseases				4.73	2.67
Injuries		8-1			0.34	0.28
All other car	ises				5.15	3.12
		All	causes		20.30	22.42

### APPENDIX III.

Birth and Death-rates of the various Provinces in India during the year 1939.

	3 5 5	50 H H	7 0	63	12 0	5 1	R 9	100
No.	199	Name of P	rovine	e. 2	101	Birth-rate.	Death-rate.	Difference.
1	Central 1	Provinces	162:10		188.00	38.28	31.07	+7.21
2	Assam	14.144 14.144	132,892		100,67	28.44	19.25	+9.19
3	Madras P	residency	H 10			35.3	23.2	+12.1
4	United P	rovinces	80'230		184,185	32.74	20.85	+11.89
5	Orissa	88,7774 Freshing	02,359 107,318		200,507	*34.92	28.18	+6.74
6	Sind	1,099,885 1,069,885 1,069,885	1012'30T		25002543	18.50	10.23	+8.27
7	North-We	est Frontier	Provi	nce	·	27.98	17.27	+10.71
8	Bihar	92 ST 83	72 I 485		the it do	*33.3	23.0	+10*3
9	Bengal Pr	residency	100.0		2882	30.26	20.65	+9.61
10	Bombay I	Presidency	-		-	39.04	24 91	+14.13
11	Punjab				-	40.74	22.11	+18.63
	2 2 20	2 2 2	20 2	10	= 1	2 2 '		

<sup>\*</sup>Calculated on census population.

APPENDIX IV.

Infantile Mortality, 1929-39.

	-	186-20	185.62	178-19	178-45	192.52	.33	15513	158-39	163.00	166.84	174.40	167-57
INFANTILE MORTALITY RATE.	Total	186	185	178	178	192	187-33	155	158	163	166	174	167
ORTALIT	Females.	182-18	181-80	173-28	173.66	189.63	181-79	150-11	152-17	155.34	159.46	169.09	159-35
TLE M	Fer	1 10/			-								-
INFANI	Males.	189-79	189-01	182.60	182-74	195.10	192-28	159-61	163-97	169.90	173-45	179.16	174.88
	Total.	169,799	164,839	178,664	173,204	200,755	175,895	165,917	174,144	177,835	194,508	177,556	186,273
	œ.	1 82	88	57	34	37	36	22	27	95	17	98	52
DEATHS	Females.	78,343	75,988	82,157	79,534	93,437	80,536	75,725	79,027	80,292	87,817	81,286	83,352
8	Males.	91,456	88,851	96,507	98,670	107,318	95,359	90,192	95,117	97,543	106,691	96,270	102,921
8	Total.	911,918	888,043	1,002,643	970,584	1,042,794	938,954	1,069,541	1,099,435	1,091,004	1,165,837	1,018,075	1,111,604
BIRTHS.	Females.	430,033	417,969	474,115	457,995	492,721	443,027	504,473	519,335	516,878	550,712	480,726	523,073
	Males.	481,885	470,074	528,528	512,589	550,073	495,927	565,068	580,100	574,126	615,125	537,349	588,531
		1 :	:	:	:	;	1	i	:	:	:	:	:
	irs.	20-88		-	1		1	80	nale a	BOSE	ay I	erage	-:
	Years.	10101	Y.	-		-					ef	al av	
		1929	1930	1931	1932	1933	1934	1935	1936	1937	1938	Decennial average	1939

NOTE.—(a) The figures of births for the year 1929 are exclusive of Europeans and Anglo-Indians.
(b) The figures for deaths for the years 1929—37 do not include Europeans and Anglo-Indians.

APPENDIX IV—CONCLUDED.

Comparative incidence of infantile mortality according to sexes in Urban and Rural Areas.

		Total.	pori	192·40 M	187.61	154.24	157.40	162.06	166.30	167.02	1
Egg delec fon the gardy	RUBAL AREAS.	Females.	eipa che Pro	189.56	181-93	149.27	151.10	153.94	158-47	158.37	82.411 -2,10
distribution of	2713 m	Males.	00-	194.95	192-67	158.67	163.04	169.36	173.29	174.70	1-5. 5 5-10 10-15
+	84 84	Total,	17 17 146	193.69	185.77	162.58	166.46	170.86	171.07	171.68	08-08 04-08 05-01 00-00
a pp	URBAN AREAS.	Females.	Sexe	190.46	181.27	167-11	160.81	166.78	167.10	166.65	a.
Elema fema male	Wazi	Males.	Francisco	196.60	189.84	167-51	171.53	174.56	174.68	176.20	
0	Cont	S. C. I	a.	Iway	:	1	Bu		Stat		
	ami A	ear	79,988 ATA. 90,118		22	Jo.	37.80 182,68		ingered e Sta	1	808
1		Provin		1988	1934	1985	1936	1937			934-3

APPENDIX V.

### Death-rate at different age periods during 1939.

Age group.	191-10	Males.	Females.	Total.	Excess or defect of female mortality.
Under one year		178.88	159.35	167-57	-19.53
1-5 years	10	39.63	2 37 ⋅ 00	38.27	-2.63
5-10 ,	88	8.00	8.19	8.09	+0.19
10—15 ,,	1	5.35	. 6.49	5.87	+1.14
15—20 ,,		7.04	8.63	7.76	+1.59
20-30 "		6.22	8.61	7.32	+2.39
30-40 ,,	0.40	7.78	10.17	8.84	+2.39
40-50 ,,	166	12.82	13.46	13.11	+0.64
50-60 ,,	-	23.25	23.64	23.42	+0.39
60 years and upwards		65.24	66.91	65.96	+1.67

### Deaths according to Sexes.

		00	MAL		FEM	dai to es	
У	ears.	114-9	Deaths.	Death-rate	Deaths.	Death-rate.	Excess of female over male death- rate.
		1	1 1	2 5 4	11.21		TUBLIA
1939		15	323,204	21.9	279,988	22.5	0.6
1938			332,581	22.9	290,118	23.8	0.9
1934—38		1938	T08:	21.5	B 4. F	22.2	0.7

## APPENDIX VI.

# Statement No. I showing particulars of glycerinated Vaccine Lymph supplied from the Punjab Vaccine Institute during the year 1939-40.

To whom supplied.	Total No. of tubes supplied.
Civil Surgeons, Municipal and District Medical Officers of Health, etc., in the Punjab.	82,016
North West Frontier Province Land des bear, and the land	7,007
Special Staff, Punjab	691
States in the Punjab latoT	7,534
North Western Railway	715
Military Department in India	6,539
Out of Punjab (detail of the localities is given below)	20,528

# Detail of the localities situated outside the Province which were supplied with vaccine lymph from the Punjab Vaccine Institute during the year 1939-40.

#### Indian States.

1.	Nepal. dt of former	97681.	Alwar State.
2.	Baluchistan.	2.	Jammu & Kashmir State.
3.	Waziristan.	3.	Porbandar State.
4.	Rajputana.	4.	Poonch State.
5.	Gilgit Agency.	E9 5.0	Lasbela State.
6.	Hyderabad (Sind).	6.	Kishengarh State.
7.	Central India.	7.	Karauli State.
8.	B. B. & C. I. Railway.	8.	Bikaner State.
9.	Kashgar.	9.	Kotah State.
10.	Ajmer-Merwara.	10.	Narsinghgarh State.
11.	Muscat (Arabia).	11.	Jhalawar State.
12.	Delhi Province.	12.	Palanpur State.
		13.	Khairpur Mir's State.

### Statement No. II for 1939-40.

1.	Number of tubes of vaccine lymph remaining	Statement A
	from last year	40,051 121,725
al No.	Total	161,776
	Number of tubes issued during the year	125,030
7,007	Number of tubes used at the Institute	238
7,581	Total datas.	
0.539		
	O THE STATE OF THE	
	Number of buffalo calves remaining from last year	198
	Number of buffalo calves returned to the contractor unvaccinated	2 ]
	Number of buffalo calves died Balance	Nil.
3.	Number of cow calves remaining from last	
	Number of cow calves purchased and hired during the year	10)
	Number of cow calves returned unvacci- nated	Nil.
	Number of cow calves sold and returned to the contractor	et. Muses
	Province sonaled II Palanger State.	idled 22:

A Number of white remaining from the	loat	1
4. Number of rabbits remaining from the year		Nil.
Number of rabbits purchased during	the	1
year		9 1
	from	>18
District Laboratory, Murree		2
Number of rabbits received by breedin Punjab Vaccine Institute	g in	7
Tataboar SUG		Nil.
Number of rabbits died during the year		
Number of rabbits killed during the year		18
Number of rabbits sold during the year		Nil.
Balance		Nil.
5. Number of buffalo calves operated on		198
Number of buffalo calves successfully open	rated	
on		180
Number of now calves operated on		10
Number of cow calves successfully open	rated	
on		10
Number of rabbits operated on		13
Number of rabbits successfully open	ated	
on		11
6. Average yield of pulp per buffalo calf	•:•	130.2
112 -6 -1		grammes.
Average yield of pulp per cow calf	• nlbc	39·1 grammes
Among a siglat of auto non mables	493	2.2
Average yield of pulp per rabbit	zubin	grammes.
Statement No. III.		grannines.
e da lo lo la	prodest	del St.
Total number of tubes issued during the		125,030
Total number of tubes issued free of charge		PLANE COLD
Special Staff Punjab & North-Western Rail		
Total number of tubes issued on payment	The street of the same	124,063
Representing an income of		1,24,063
arepresenting an income of		s. A. P.
Total amount realized and credited to	ilawa	dia.
Government during the year 1989-40		
(up to date)	1,24,03	88 8 0
Total amount outstanding on 31st		xn15 82
March, 1939	65,64	5 13 0
Total amount outstanding on 31st		
March, 1940	61,58	32 7 0
Actual turn-over during the year 1939-	1010	0 1 0
40	1,24,61	9 1 0

APPENDIX

Table showing Public Health Staff in Rural and Urban

RURAL

1	ni gi2 hao	by br	Mur	STO ST	iddas	10 1	od5	N 6	7
18	Wamber of tubes	ng the ; ing the ; g the yes	MED OFFICE HEA HOLI D. P.	CRS OF	HEA OFFI (SUB-A	SSIST- NT LTH CERS ASSIST- NT EONS).	nmbe nmbe	N	
Serial No. 8	District.	erated or cessfully ed on cessfully	es so	Part-time.	Whole-time.	Part-time.	Medical Officers.	Public Analysts.	Sanitary Inspectors.
Ш	operated Number of buffale	essfully	Sus	atide	fer	io i	admin	N	1
1 2 3 4 5	Hissar	alo calf		ng gla	10	yield viel	erage	A	2 2 1
6 7 8 9	Simla	and the same	1 1 1	glin	2	No. v. S	2072	(A.	1 2 1
10 11 12 13	Ludhiana Ferozepore Lahore Amritsar	Mary Manager	1 1 1	interior Rec	1 1 2	190	locetar.	Latio 3	1 3 2 1
14 15 16 17 18	Gurdaspur Sialkot Gujranwala Sheikhupura	rec of	1 1 1 1	ast 's	dube funde	to se	OL-0	Loss Potest	1 3 2 1 1 1 2 1 2 2
19	Gujrat	a payme	1 1 1	razi a 10 au	edus dodai	per of	aven sentil	lotel sepre	
20 21 22 23 24 25 26 27	Mianwali Montgomery Lyallpur Jhang	1589-40	1 1 1	and the	hazili Lumin	or. in	4	7000 7000	1 1 2 1 2 4 1 3 2 2
27 28 29	Multan Muzaffargarh Dera Ghazi Khan	fare on	1 1	Hild	atro	anti-	ount da	Lidol	
	Total	1989-	28	di a	11	40 40 dyer	ni, 19	400000	46
	1,24,619		20		11		-	40	40

VII.

Areas of the Punjab during the year 1939.

AREAS.

BY 1	8	-111	1 0		9		
VACC	INATION ST	AFF.	0	THER HEALT	TH STAFF FEMPLOYED.	ERMANEN	rly
Superintendents of Vaccination.	Male Vaccinators.	Female Vaccinators.	Dispensers.	Mates or Supervisors.	Coolies.	Sweepers.	Others.
11111 122111123111112215221111	17 13 16 19 14 13 13 13 12 22 19 14 16 17 15 14 15 17 10 11 11 12 10 26 19 11 20 12 12	Anticonstitution of the state o	111111111111111111111111111111111111111		22  8 10 -4 27 10 6 22 10 8 6 8 4 4 4 3 5 4 4 4 6  16 8 6 6 8 4 4 4	30 6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
41	422	0	29	85	215	230	70

### APPENDIX

### Table showing Public Health Staff in Rural and Urban.

TIRBAN

1	1	2	-	1	10	1 1	11	12	13	14
	PERMANENTLY	OF TENTOTED.				HEA OFFI	CERS ASSIST-	cers.	SERVE	V V
Serial No.	Distr	acr.		Whole-time.	Part-time.	Whole-time.	Part-time.	School Medical Officers	Public Analysts.	Sanitary Inspectors.
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 222 22 22 22 22 22 22 22 22 22 22 22	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Kha				1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2			1 1	4 4 4 2 5 6 9 1 2 5 5 7 2 5 2 5 3 6 2 5 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1 6 1
	T. 280	otal	8	16	8 88	4	6	33	4	176

VII-concld.

# Areas of the Punjab during the year 1939 -concld.

AREAS.

VACCI	15 INATION S	HATMED HE	OTHER H	EALTH STAR		ENTLY EMI	
Superintendents of Vaccination.	Male Vaccinators.	Female Vaccinators.	Dispensers.	Mates or Supervisors.	Coolies."	Sweepers	Others.
1 1	4 6 5 4 3 1 3 1 8 2 8 28 16 4 7 5 4 1 2 3 3 3 4 9 9 2 5 5 2		2 2 2 3 3 3 3	4 14 16 16 16		212 106 260 306 412 410 28 220 551 373 558 1,709 558 379 219 310 130 211 326 106 505 120 116 255 376 198	21 8  10 25 89 109 825 370 141 2  36 10 61 60  26 9 76 97 39 114  21
bas ala	143	heiv Alla	14	WI DAM STATE	(a) (b) 127	9,731	2,251

### **APPENDIX**

### Table showing Maternity and Child-Welfare Centres, Urban Areas of the Punjab

		18	MAT	ERNITY	AND	CHILD-W	VELF	ARE C	ENTRES	MAINTAINED
						PIOAL				
. OSYOJYK		ANG	ST T	TH STAR	HAL	H Man TO	1	CARE.	E KOIT	VACCINA
					ernn	nent.		Local	nd Mun	icipal Bodies.
Dis	strict.	- 14-1			Cr reff.	come.			100 202 1076	torpus Dourous
		-			-			-		not.
		Kio			1				-	3
									- 3	1
				. 10				OT OT	1	.00
				Rural.	- 00	Urban.		Rural.	1	Jrban
2				Rura		a da		n	13.5	233
- Table	9		1	P 8		P		2 2	1	Pag
6	1		11	2		3		4		5 96
			8		-	-	-	-	-	
***		-	-	-	-		-		-	1
Hissar Rohtak	**								7	
Gurgaon									i	
Karnal	0.00									
Ambala	100			-9		20			0	1
Simla	500			114		**			2	1
Kangra	808	17		16		22			8	1 1 12
Hoshiarpur Jullundur	25.5	**		9.1		2			1	- 1.
Ludhiana	01		4.4				P		18	
Ferezepore	mes	-0		-11		***			5	2
Lahore	110	4		11		1	1		18	9 3
Amritsar	878	2		1.0		-		125	98	
Gurdaspur Sialkot	81.0			16					2 2 2 2	2
Gujranwala	1,703	.0.0	2.4	1-11		8	2		81	1.
Sheikhupur	a ota			:33.		***			1	7 7
Gujrat	213	8		-2-		8			7	4 8
Shahpur Jhelum	31.0			36		1			4	1. 4
Rawalpindi	180		4.5	1.8		-3.0			1	
Attock	112			1.41		7.	1		2	
Mianwali	101			+8		*.5 -			0	17.7
Montgomery			-	.8	1	***			1	2
Lyallpur Jhang	120	88		1.6-	1		1		is	1
Multan	ELL.			- 8	1	8	1		2	1
Muzaffargat	h	-		7.5	1	1			6	
Dera Ghazi	Khan			13.	1	**.	1		2	1 2
To	600	0	-	T	-	1	1	9	0	24
10	Call I			1	1	1		. 2	181	24
130	88	-	-	-	-		-1	2.1		

Note.-(a) Four North Western Railway Centres are not

2,251

9,731

- (b) There are two extra health visitors at Simla and
- (c) In some cases columns 12 and 13 show only the
- (d) Some semi-rural centres are shown in the column

APPENDIK IK.

VIII.

Health Visitors and Trained Midwives in Rural and Province for the year 1939.

MAINTAI	of published of the pub	TRAINED I VISITO	TEALTH DES.	TRAIN MIDWI		TRAINER	asures v asures vious ye	brd brd brd brd brd brd brd brd brd brd
Bural.	Urban,	Bural.	c Urban.	01 Rural.	II Urban.	Temal	Urban.	REMARKS.
1831 1 1831 1 1831 1 1 1831 1 1 1 1 1 1	3 4 1 1 1 1 1 5 2 1 1 2 2 2 3 3 3 1 5 5 1 1 1 1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 1 1 3 4 2 3 1 1 1 1 5 4 1 2 3 3 1 6 2 1 1 6 2 1 1 1 1 1 1 1 1 1 1 1 1 1	esiliques Tato	4 · · · · · · · · · · · · · · · · · · ·	12 15 31  92 1 1 75 135 1  2 10  2 6 6 6 26 61 4 114 33 17 8	22 33 2 100  13 12 5 10 73 62 10 9 5 107 14 5 2 27 3 69 65 14 236 58 44 153 123 3	AHOURT OH LE

included in this statement.

one each at Rawalpindi and Lahore.

number of trained dais in employment.

headed "Rural", others in the column "Urban".

"Enduden Re 8,901 relating to Dera Chart Khau Dutrict hot accounted for " under the sub-heads.

### APPENDIX IX.

Public Health Expenditure in Towns.—The total income of Municipal Committees (122 in number) after excluding the opening balance of Rs. 39,91,323 and Rs. 5,72,121 under the head Suspense Account amounted to Rs. 1,71,82,327 as compared with Rs. 1,65,23,579 in the previous year. The expenditure incurred on public health measures including the grant-in-aid given by the Government amounted to Rs. 50,83,903 as compared with Rs. 46,31,810 in the previous year. The percentage of income spent on public health measures was 29.59 while the cost per head of public health measures was Rs. 1-15-0 as compared with Rs. 1-12-2 in the previous year and Rs. 1-12-4 in the year 1937.

The details in respect of the expenditure on public health measures during 1938-39 and the previous year are given in the table below:—

SERVES	sprag.	-	Somet.	.lavu	- Epen-	Expendi	ure.
	81	12	11		0	1937-38.	1938-39.
B B GH J.E A.B.C.D.E	Direction Cost of Co- Maintenar  Water an	elfare ion id Other I ncy— movals visposals of Food Su larkets laughter I icensing o ublic Anal and burial cous  WATER of Reven anal Watence	Epidemic pplies— Houses Food lyst of paupe	Supplies	HUSAGO SO SO SELECTION OF	Rs.  3,33,288 18,115 93,196 61,461 75,968  15,33,053 1,34,379 8,78,606  20,605 46,761 7 16,171 10,821 34,165  80,912 42,474 51,458 8,46,764 1,41,267 3,755 1,99,083	Rs.  3,40,810 13,993 89,139 63,993 94,642 15,93,505 1,07,725 14,36,435 22,585 46,896 2 16,142 13,347 32,438  38,71,652  87,503 43,091 55,694 7,74,990 77,647 1,241 1,71,485
		1	Т	otal	1000	*18,74,614	12,12,251

<sup>\*</sup>Includes Rs. 8,901 relating to Dera Chazi Khan District not accounted for under the sub-heads.

A persual of the above table will show that there was increase in expenditure under Public Health generally and decrease under the head Water Supply generally. In the case of small towns, 104 in number, the total income excluding opening balance was Rs. 7,75,539 whereas their expenditure on public health measures including grantin-aid was Rs. 2,29,762 or 29.63 per cent of their income.

		40.63				
-					Towns	
	Cholora	Water-				
0.0	1 7			20	1 11	12 1
				I. n.	411	
						Rohtek
						Karnal
			40 00 16			Ambaba
41.0 8.80	88:0 2:08					Kalka
80-000-18	15.0					
	80.0					
	08:0 170					
		1909				
						Merozep
. 08-019-01					228	Fazilka
				he 0.00		Moga
0-22						Karur
	0.13			h+ 10-22		
						Dalhous
						Sinikot
		12010				
			1001 No			
				THE PLANT		
18-00-04						
					Blawn	
		1914			danis singh	
	20.00	1918		arraliable.		Jacanw
	81.0 13			Ban	24	
61.6	80.05.18	81013	2201	11. 11.	nad H ban	Shujaba
			1100	120		D 2010
-				Annual Control of the		

APPENDIX

Statement showing the death-rates from Cholera, Smallpox, preceding and for the period since the introduction of drain

				DATE OF CO OI WORK	F		E ANNUAL CTION OF SUPPLY
measure previous The	Tow	ns.	15 0 1-12 1-12	Drainage.	Water- supply.	Cholera.	Smallpox
bilow :-	1			2	3	4	5
Bhiwani Rohtak				1933	1933 1931	0:04	1.24
Rewari				1955	1920	0.14	0.28
Karnal	::			1981	A CONTRACTOR OF THE PARTY OF TH	0.31	0.12
Ambala				1001	1895	0.37	0.36
Kalka					1890	0.43	0.14
Jagadhri				1929		0.41	0.08
Simla				1893	1893	0.03	0.30
Dharamsa					1908	0.36	0.11
Hoshiarpu				1925		0.48	0.40
Jullundur		**		1924	1000	0.14	0.25
Ludhiana Jagraon			••	1895	1909	0.22	0.87
Ferozepor	••	**		1907 1916		0.35	0.83
Zira			Here's	1913		0.48	0.31
Fazilka	1		::	1913		0.33	0.39
Muktsar					1925	0.05	1.25
Abohar					1929	0.04	0.80
Moga				1930		0.13	0.30
Lahore				1921	1881	0.54	0.82
Kasur		**		1922		1.23	0.22
Amritsar		**		1885	1904	0.38	0.68
Jandiala				1924		0.39	0.47
Jurdaspur	or had a l			1918	2004	0.15	0.44
Dalhousie Pathankot				1015	1894	0.03	0.02
				1915	1015	0.79	0.36
Sialkot Sujranwal	a			1892	1915	0.38	0.29
angla			-	1092	1924	0.45	1·15 0·40
ujrat				1906	1924	0.58	0.25
Bhera				1917		0.14	0.73
argodha		4		1907	1907	0.05	0.34
Chushab					1923	0.01	0.63
helum				1908		0.42	0.38
ind Dada				1909	1909	0.30	0.75
Rawalpind				1907	1887	0.48	0.34
durree Iianwali	••				1894	0.08	0.07
yallpur				1904	1904	. 0.14	0.44
ojra			::	1000	1904 1916	0.11	0.89
andlianw		-	::	1917	1924	0.09	0.31
oba Tek	Singh			1920	1914		0.13
aranwala				1918	1913	0.05	0.13
Iultan				1907	1928	0.13	0.64
hujabad				1922		0.03	0.36
era Ghazi	Khan			g to	1913	0.03	0.19

X.

"Fever" and Dysentery and Diarrhoa for the five year age or water-supply or both in the under-mentioned Towns.

DEATH-RAT	Hana	YEARS PE	AVERAGE ANNUAL DEATH-RATE FOR THE FIVE YEARS PERIOD PRECEDING THE INTRODUC- TION OF DRAINAGE OR WATER-SUPPLY OR BOTH.								
"Fever."	Dysentery and Diarrhœa.	Cholera.	Smallpox.	"Fever."	Dysentery and Diarrhœs.	REMARKS					
an avaior	0 .841 10	mns a	monitoria 6	DYUUS OIL	20.000	MICHAEL CHIN					
6	7	8	9	10	stringen	12					
13.91	1.79	0.02	0.8	11.4	1.8	1					
13.38	0.87	0.5	0.8	11·4 27·7	1.2	Annie w					
8.24	1.70	0.4	0.4	8.5	3.2	A CHARLES					
15.06	1.80	0.4	0.6	20.1	1.4	Directo					
11.55	2.60	0.5	0.4	19.3	6.4						
8.80	1.08	1.7	0.2	15.2	3.9						
26.18	1.84	0.2	1.0	25.7	2.4						
9:59	1.04	***	1.1	17:1	1.4						
9.08	1.79	0.3	india	6.1	1.6	Corre					
11.03	1.98	0.2	0.7	9.5	0.1	InO					
14 68	2.51	0.4	2.7	20.8	1.6						
11.86	1.25	0.8	1.5	9.3	2.0						
9.47	9 1.51	0.2	0.7	9.8	1.1						
16.70	0.72	0.3	4.0	16.6	0.9						
19.01	1.35	2.2	2.6	21.4	1.7	2					
10.32	0.88	0.04	0.04	11.3	1.1						
7.86	0.39	. Itsuit	1.1	7.8	1.1						
12-93	0.26	2.4	1.0	9.3	0.2						
17·94 11·43	1 65	0.2	0.6	20.0	1.3						
21.88	1.60	1.6	1.0	21·8 31·3	1.0						
14.77	1.24	0.4	1.0	17.1	0.7						
13.35	1.59	0.6	0.3	14.2	3.1						
9.61	1.42			9.6	2.4						
15.76	2.29	0.8	0.7	12.4	2.8	le .					
12.33	2.00	3.0	1.2	9.6	23	1					
17.20	1.09	0.5	0.6	19.7	80H 1.7	1					
3 81	0.24	10.4	1.1	7.1	0.2	6					
17.23	1.58	0.3	0002	16.9	80.1.9	-					
5.43	1.38	0.03	0.7 Not	17.8 available.	ledos 1.7						
12.22	1.36	0.1	0.3	14.3	1.6						
12.22	1.41	1.5	0.3	14.0	2-1						
18.08	2.16	v edi-ias	doc-0.70	23.1	3.6	1					
16.78	2.09	10 - 0.5 m	0.1	16.4	3.4	1					
14.02	1.35	0.7	0.4	14.8	0.9						
21.30	1.85		Not		don n	1.					
14·97 6·61	0.87	*2.8	*0.4	*16.3	*2.1	1					
10.11	0.60	0.8	0.8	†0.5 4.6	- India						
4.94	0.22	0.8	0.9	14.6	10.4						
9.07	0 27	ofT_own!	Not	available.	10 1	1					
14.00	3.13	0.01	1 1.0	1 14.7	2.0	1					
18.01	1.64	0.7	1.1	31.1	2.9	1					
13.27	2.18	2.0	0.6	15.9	1.6						

<sup>\*</sup>Figures available for four years only.
†Figures available for two years only.
‡Figures available for three years only.

#### APPENDIX XI.

Proceedings of the Sanitary Board, Punjab, during the year 1939-40, from 1st April, 1939, to 31st March, 1940.

There was no change in the composition of the Sanitary Board, Punjab, during the period under review.

Only one meeting of the Board was held at Simla, on 29th/80th July, 1939.

In April, 1939, a sum of Rs. 5,00,000 was placed at the disposal of the Board for grants-in-aid to local bodies in the Province during the year. Out of the above allotment a sum of Rs. 3,76,202 as detailed below was surrendered to Government on account of acute financial stringency:—

		Rs.
(a)	Grants for urban sanitary works	1,98,831
(b)	Grants for rural sanitary works	1,77,371
	Total Total	8,76,202
Only	Rs. 1,23,798 were utilized as detailed below	1-01 00-0 1-01 1-02 1-0-1
	Urban Sanitary Works.	Rs.
Shi	fting waterworks pumping station on river side at Pind Dadan Khan	1,169
	Total do	1,169
	Rural Sanitary Works.	771 886 1890
1.	Bit Illaqa water-supply scheme— Hoshiarpur district (3rd instalment)	1,05,538
2.	Baba Farid Fair area water-supply scheme—Pakpattan, Montgomery district	1,818
3.	Construction of a well each at the villages of Karoli and Phangtoli—Gurdaspur district	8,191
4.	Kulu water-supply scheme—Kangra district (2nd instalment)	2,471
5.	Fort Munro water-supply scheme—Dera Ghazi Khan district	1,948

\*Figures available for four years only.

†Figures available for two years only.

‡Figures available for three years only.

### Rural Sanitary Works-concluded.

Health Gircle, Punjab, for the year !	Rs.
6. Experimental boring at Matore village— Rawalpindi district	2,404
7. Survey work for framing a detailed project for the extension of Thal Ilaqa water-supply, villages Kaura and Langar, Jhelum district	259
Total	1,22,629
GRAND TOTAL	1,23,798

The Board continued to tender advice in regard to sanitary works and accorded administrative approval to the schemes placed before it.

Cl v(b) Puchile Health Subdivisions-(i) Lat Lakers Public Health

(Engineering), P.S.E., as Subdivisional Officer and he continued in

### Rural Santlary Works-concluded.

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Urban Sonitary Works.

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Total

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Hochiarpur district (3rd instalment)

2. Baba Farid Fair brea water-supply schome-Pakpatian, Montgomery

description of a well each at the vil-

4: Kula water-supply scheme—Kangra,

Gran Kanes water supply scheme-Dara

# Annual Report of the Superintending Engineer, Public Health Circle, Punjab, for the year 1939.

1. Administration.—Mr. D. A. Howell, O.B.E., M. Inst. C.E., M.I. Mech. E., held the post of Superintending Engineer, Public Health Circle, Punjab, Public Works Department, throughout the year.

Lala Devi Chand, Assistant Engineer, held the post of Personal Assistant to the Superintending Engineer, Public Health Circle, Punjab, throughout the year except for a short period from March 25th to May 10th when he was temporarily transferred to the 2nd Lahore Public Health Subdivision, Public Works Department and Mr. N. A. Jiabajee, B.Sc. (Engineering) held the above post.

- 2. Executive Officers—(a) Divisions—(i) 1st Lahore Public Health Division.—Mr. D. C. Khanna was Executive Engineer until March 7th when he was relieved by Mr. G. M. Khosla, A. M.Inst. C. E., who remained in charge of the Division till 30th November. Mr. J. S. Sethi, A.C.G.I., A.M.Inst. C.E., was the Executive Engineer for the remaining part of the year.
- (ii) 2nd Lahore Public Health Division.—Mr. J. S. Sethi, A.C.G.I., A.M. Inst. C.E., remained in charge of the above Division until November 30th. Mr. G. M. Khosla was the Executive Engineer for the remaining part of the year.
- (iii) 2rd Lahore Public Health Division.—The 3rd Lahore Public Health Division was opened on March 8th under Mr. D. C. Khanna as Executive Engineer who continued in executive charge throughout the year.
- (b) Public Health Subdivisions—(i) 1st Lahore Public Health Subdivision.—Sardar Hukam Singh, B.Sc. (Engineering), P.S.E., was Subdivisional Officer till February 2nd, when he was relieved by Mr. A. M. Malik, B.Sc. (Engineering), P.S.E., who remained in charge of the Subdivision for the remaining part of the year.
- (ii) 2nd Lahore Public Health Subdivision.—Mr. G. M. Khosla, A.M.Inst. C.E., was Subdivisional Officer till March 7th when he was relieved by Lala Devi Chand, Assistant Engineer. The latter on May 11th handed over charge to Mr. N. A. Jiabajee, B.Sc. (Engineering), who continued in charge of the Subdivision for the rest of the year.
- (iii) 3rd Lahore Public Health Subdivision.—This Subdivision was formed on February 3rd, with Sardar Hukam Singh, B.Sc. (Engineering), P.S.E., as Subdivisional Officer and he continued in charge of the Subdivision throughout the year.
- (iv) Montgomery Public Health Subdivision.—Lala Dina Nath, Senior Overseer, was Subdivisional Officer throughout the year.

(v) Bhiwani
Jullundur
Public Health Subdivision.—Mr. S. M. Dean,
B.Sc. (Engineering), A.R.T.C. (Glasgow), A.M.I.E.E., Assistant
Engineer, was Subdivisional Officer throughout the year. The
healquarters of this Subdivision were shifted from Bhiwani to
Jullundur on 4th September, 1939, from which date the name of the
Subdivision has been changed to Jullundur Public Health Subdivision.

The jurisdictions of the 1st and 2nd Lahore Public Health Divisions with their Subdivisions remained substantially as in the previous year, except that as a result of the headquarters of the Bhiwani Public Health Subdivision having been shifted to Jullundur, the districts of Jullundur, Ludhiana, Ambala, Simla and Hoshiarpur have been placed under this Subdivision. The 3rd Lahore Public Health Division with the 3rd Lahore Public Health Subdivision was opened for the specific purpose of preparing the detailed projects and designs for the Lahore Sewerage Scheme and the execution of the works thereof.

3. Progress of public health engineering works in the Province.—Good progress was maintained on the development of public health engineering works throughout the year as will be seen from the details given later. Besides the Lahore Sewerage Scheme, several important schemes were commenced and a number of new pumping plants and other mechanical installations amounting to about 200 brake horse power were installed or in course of installation during the year. It is estimated that mechanical installations amounting to a total of 10,000 brake horse power were in existence or in course of installation in connection with Government or municipal public health engineering works throughout the Province at the end of the year under review.

There are now 68 important public water-supply schemes with a capacity of twenty-five millions of gallons, daily supply, completed or under construction in the Province.

A number of new rural water-supply schemes were in course of design or construction and these classes of works continued to assume more and more importance in the activities of the Circle.

4. Borings.—Twenty numbers important borings for tube-wells were in hand in the Circle during the year, besides which a considerable number of shallow tube-wells for hand pumps were sunk. Generally, boring work was given out on contract, but the Second Agricultural Engineer to Government also undertook on contract certain borings and tube-wells, relating to water-supply of Government buildings and institutions.

A rock-drilling equipment for boring for water to 600 or 700 feet deep in stratified formations, boulders, etc., has been ordered at a cost of Rs. 22,029. The above plant will be used for boring works in the Salt Range and other areas where stratified rock and boulder formations are met with.

The tube-well strainers or screens in general use in the various tube-well works of this Circle continued to be the "Tej" (brass) and the "Phœnix" (Cadmium plated). The "Essbee" (consisting of a coir rope strainer) is also used occasionally for smaller wells. These strainers are of Indian manufacture, two being made at Lahore and the other at Calcutta.

In addition to the boring works in hand in the Circle, a number of schemes of district boards and other local bodies for borings and small tube-wells mostly in rural areas, have been sauctioned.

- 5. Activities of the Public Health Circle.—The major activities of the Circle during the year comprised the following classes of works:—
- (i) Execution of public health engineering works for Government buildings and institutions.
- (ii) Execution of public health engineering works for local bodies, such as municipal committees, small town committees, notified area committees and district boards.
- (iii) Maintenance and operation of public health engineering works in connection with Government buildings and institutions and management of Government residential estates at Lahore.
- (iv) Maintenance and operation of public health engineering works of local bodies.
- (v) Preparation of projects for public health engineering works for Government institutions.
  - (vi) Preparation of projects for public health engineering works of local bodies.
- (vii) Inspection of water-supply works and other sanitary works of local bodies.
  - (viii) Inspection of and advising on the protection of Government buildings and in connection with the establishment and maintenance of fire brigades of local bodies throughout the Province.
- (ix) Technical advice and designs for the Commissioner, Rural Reconstruction, Punjab, in connection with rural uplift work.
- (x) Technical advice and scrutiny of urban and rural public health engineering proposals, i.e., water-supply and drainage projects prepared and submitted by local bodies for sanction of Government or of the Sanitary Board.

The more important items of works carried out during the year are briefly described as follows:—

- 6. Execution of public health engineering works for Government huildings and institutions—(1) Water-supply and drainage, new Police Lines, Jullundur,—Estimated cost Rs. 33,331.—Land for the storm water channel has been acquired and work on the construction of the storm channel is being taken in hand. The scheme is otherwise in working order.
- (2) Drainage of District Police Lines, Ludhiana,—Estimated cost Rs. 33,673.—Additional funds for the purchase of land for sullage farm have been allotted and land will now be acquired. The construction was completed previously and the scheme is functioning satisfactorily.
- (3) Underground water-supply storage tank with pumping plant at the Punjab Agricultural College, Lyallpur,—Estimated cost Rs. 14,195.— The work has been completed and is functioning satisfactorily.
- (4) Water-supply for Government Tanning Institute, Jullundur,— Estimated cost Rs. 11,444.—The work has been complete: and isfunctioning satisfactorily.
- (5) Tube-well with automatically operated, vertical spindle, borehole type, turbine pumping plant at the Mayo Hospital, Lahore,—Estimated cost Rs. 15,306.—The work has been completed and is functioning satisfactorily.
- (6) Improvements to and replacement of cold storage plant at King Edward Medical College, Lahore,—Estimated cost Rs. 20,819.—The work is proceeding rather slowly as on account of the international situation some of the machinery has not been delivered in India. It is expected however that work will be completed by the middle of 1941.
- (7) Improvements to working of fountains at Shalimar Gardens, Lahore,—Revised estimated cost Rs. 16,918.—The installation has been completed and is functioning satisfactorily.
- (8) Irrigation tube-well water supply at Emerson College, Multan,— Estimated cost Rs. 9345.—The installation has been completed and is functioning satisfactorily.
- (9) Water-supply scheme for Pirmahal Mandi, District Lyallpur,— Estimated cost Rs. 89,959.—The scheme is complete and ready for functioning but owing to certain changes in the development programme, certain distribution mains have to be re-aligned and re-laid. It is expected that this will be carried out in 1941.
- (10) Burewala drainage scheme, Part I,—Estimated cost Rs. 60,549.— The work has been nearly completed except for the second collecting tank and the electrical connections to the outfall pumping station. The scheme will be put into operation as soon as the agreement for

supply of electric power for pumping is settled between the local body and the Electric Supply Company.

- (11) Water-supply tube-well at Government College, Pasrur, District Sialkot,—Estimated cost Rs. 12,005.—The tube-well has been completed, but its yield is disappointing and instructions have been issued for developing it by air lift to wash out the fine silt and sandy strata surrounding the strainer. The pumping plant has been received and will be installed as soon as the tube well is developed.
- (12) Burewala water-supply scheme,—Estimated cost Rs. 1,96,922.— This is a skeleton scheme consisting of two deep tube-wells equipped with oil engine driven vertical spindle, deep well borehole pumps each of a discharge capacity of 10,000 gallons per hour, brick work and concrete overhead service reservoir and distribution system of cast-iron pipes to give a daily supply of 120,000 gallons for a prospective population of 10,000. Tube-well No. 1 has been completed to a depth of 325 feet. Tube-well No. 2 is in hand. Machinery, pipes, etc., have arrived at site. Tenders are being invited for the remaining work.
- (13) Water-supply and sanitary installation for ten Indian Superintendents' and Clerks' quarters at the Punjab Secretariat, Simla,—Estimated cost Rs. 13,450.—The work has been completed and is functioning satisfactorily.
- (14) Storm water drainage for Reformatory Settlement at Amritsar,— Estimated cost Rs. 15,850.—The scheme consists of the construction of a system of open, brick pitched, storm water drains and levelling and filling of low areas at the Reformatory. The work is in progress and is proceeding satisfactorily.
- (15) Water-supply, drainage and sanitary installations for proposed barracks for female patients at the Punjab Mental Hospital, Lahore,— Estimated cost Rs. 37,594.— The scheme covers the provision of water-supply, drainage and sanitary installations at the new barracks for female patients. Work on sanitary fittings' installation is in progress. Cast-iron pipes and specials have been received at site and the construction of drains, laying and jointing of pipes, etc., will be taken in hand shortly.
- (16) Two sets of 24-seated water-flushed latrines at the Police Training School, Phillaur,—Estimated cost Rs. 20,002.—The scheme comprises the construction of two sets of 24-seated water-flushed latrines with necessary drainage, septic tank for the treatment of the sewage and utilization of the effluent for subsoil irrigation in a low area adjacent. The building and drainage work is in hand and is progressing normally. Sanitary fittings will be installed next year when the balance of funds are allotted.
- (17) Drainage of Government Tanning Institute, Jullandur, -Estimated cost Rs. 13,893.—The scheme consists of a system of

drains and sewers from the various blocks of the institute together with a collecting sump and sewage pumping installation to lift the sewage on the adjacent land for bread imigation.

The main drain and most of the branches are completed. The land for sullage form is being acquired and the pumping installation will be built as soon as possession of the land is obtained.

- 7. Execution of public health engineering works for local bodies—(1) Suimming bath, King Eduard Dedical College Hostel, Lahore,—Estimated cost Rs. 30,969.—Some subsidiary items of work are in hand and will be completed shortly.
- (2) Sheikhupura drainage, new disposal works,—Estimated cost Rs. 48,913.—Work has almost been con pleted with the exception of outside wiring connection which is to be carried out by the Electrical Engineer to Government. The land for sewage farm has not been handed over to this department so far, hence the rising main from the disposal works to the proposed sewage farm has not been completed.
- (3) Jullundur drainage extensions, Part I.—Estimated cost Rs. 61,443.—The work is nearly completed, only a small part of the storm water channel and crossing of the sewer under the Grand Trunk Road remains to be done. This work will be carried out as soon as permission of the road authority is received.
- (4) Surface drainage of Thatti Balochan area, Sheikhupura,— Estimated cost Rs. 13,221.—The work has been completed with the exception of a culvert under the main road which is in hand and some drains affected by encroachments. The local body has not been able to settle the question of these encroachments in the abadi so far.
- near Old Fort (northern reservoir),—Estimated cost Rs. 21.302—The tube-well has been completed to a depth of 443 feet and has yielded, on test, 20,000 gallons Jer hour against a depression head of 7 feet. The pumping plant has been delivered at site and the pump house is nearing completion. Erection of the plant will be carried out as soon as the pump house is ready.
- (6) Arafwala drainage scheme, Part II,—Estimated cost Rs. 42,932.—This work was completed last year but certain additional works are proposed to be carried out from savings as the abadi area is constantly being extended.
- (7) Mian Channu drainage, Part II,—Estimated cost Rs. 58,069.— The work has been completed and is functioning satisfactorily.
- (8) Khanewal drainage seheme,—Estimated cost Rs. 1,62,631.—The work has been completed and is functioning satisfactorily.

- (9) Multan drainage, Part I,—Estimated cost Rs. 1,22,976.—The work has been completed but the scheme has not yet been started up as the local body has to remove the silt from the collection tanks before the pumps can be started up.
- (10) Multan drainage, Part II,—Estimated cost Rs. 1,34,757.— The work has been completed and is functioning reasonably well.
- (11) Okara drainage scheme, Estimated cost Rs. 2,54,167. The work has been completed, and is functioning satisfactorily.
- (12) Okara water-supply extensions, providing 17 flushing hydrants,— Estimated cast Rs. 6,915.—The work has been completed.
- (13) Sakhi Sarvar water-supply scheme, District Dera Ghazi Khan,—Esumated cest Rs. 42,843.—The boring for tule-well No. 1 was completed the previous year. The strainer was lowered in due course, but unfortunately the pipes got jammed when withdrawing and the strainer and the easing pipes had to be withdrawn for a considerable distance. The reboring work could not be carried down to full depth however on account of obstruction caused by large boulders and the tube-well is being completed at a less depth with shorter length of strainer than that originally proposed.
- cost Rs. 30,003.—The work has been completed and is functioning satisfactorily.
- (15) Baba Farid Fair Area water-supply, Pakpattan,—Estimated cost Ks. 42,418.—The tube-well has been completed and pipe laying work is in progress. Tenders are being invited for the construction of overhead reservoir, etc.
- (16) Arafu ala water-supply—Extensions to Tahsil and Factory areas,—Estimated cost Rs. 5,568, and Rs. 2,870 respectively.—The work has been completed except for a pipe-time crossing under the North-Western Railway line, which will be laid after settlement with the Railway authority.
- (17) Shahpur District rural water-supply schemes—(a) Choa village water-supply scheme,—Estimated cost Rs. 38,877.—The work has been completed and is functioning satisfactorily.
- (b) Jalbi and Dhokri villages water supply,—Estimated cost Rs. 48,314.—The work has not been started as the estimate has not been sanctioned.
- (18) That Ilaqua water-supply scheme, District Jhelum—(a) Extensions to Kundal and Kandual villages,—Estimated cost Rs. 67,159.— The pipe-lines have been completed, and construction of the reservoirs is in progress. In the meantime water is being delivered to the villages.
- (b) Extensions from Toba to Saroya,—Estimated cost Rs. 40,083.— The pipe-line has been completed except for a crossing under the

North-Western Railway line. Work on the construction of the service reservoir is being started shortly as soon as C. I. specials for the same are received.

- (19) Drainage of Nekapura suburban area, Sialkot,—Estimated cost Rs. 10,001.—No work was carried out during the year as land for the sullage farm is not yet settled by the Municipal Committee, Sialkot.
- (20) Sialkot water-supply extensions, Greenwood street tube-well,— Estimated cost Rs. 14,059.—The work has been completed and the tube-well is functioning satisfactorily, yielding nearly 20,000 gallons of water per hour to the town.
- (21) Sialkot water-supply extensions—Rangpura tube-well and pumping station,— Estimated cost Rs. 30,711.—The local body has not yet provided funds for equipping the second tube-well with electrically driven, deep well, vertical spindle, pumping plant and therefore, the work is in abeyance.
- (22) Lahore Municipality—Krishan Nagar, Sant Nagar, Rajgarh and Ram Nagar drainage scheme,—Estimated cost Rs. 1,97,854.—The intercepting sewers have been completed and the outfall sewer and screening chambers are about to be finished. The construction of surface drainage works in the streets and roads which have been declared as public is in hand and is nearing completion. Work in other streets included in the estimate has been held up under the instructions of the Administrator, Lahore Municipality, and his instructions to proceed are awaited.
- (23) Leh Canalization scheme, Rawalpindi,—Estimated cost Rs. 87,376.—Canalization of the River is proceeding normally and the canalized section has been completed from upstream of the Murree Road Bridge down to the outfall below Topi Park.
- (24) Panipat water-supply scheme,—Estimated cost Rs. 1,30,400.— The work has been completed and is functioning satisfactorily.
- (25) Bhiwani water-supply extensions—(a) Providing additional pipe-lines and standposts, etc.,—Estimated cost Rs. 13,615.—The work has been completed satisfactorily.
- (b) Providing 11 No. additional standposts along the existing pipelines in different moballas,—Estimated cost Rs. 4,025.—The work has been completed.
- (26) Rohtak water-supply; extensions to Jat Heroes Memorial High School, —Estimated cost Rs. 16,395.—The work has been completed satisfactorily.
- (27) Find Dadan Khan water supply scheme,—Estimated cost Rs. 1,56,428.—The rising main has been laid and jointed. The pumping plant has been delivered at site. Construction of the overhead service reservoir was first stopped by the local body due to certain disputes about the site, but this has now been settled and

work is being started on the reservoir construction. The pumping station, wells and staff quarters, etc., cannot be taken in hand as the question of acquisition of land for headworks has not been settled finally by the civil authorities. They are being pressed to expedite the matter.

- (28) Improvements to Ambala Saddar Bazar water-supply,—Estimated cost Rs. 40,362.—The work is in progress. One tube-well 445 feet deep has been completed and is being developed by air lift and the second one is in process of being bored.
- (29) Ambala City water-supply extensions—Air lift installation for shallow tube-wells at Handesra,—Estimated cost Rs. 19,000.—The work has been completed and is functioning satisfactorily.
- (30) Improvements to water-supply distribution system, Ambala Saddar Bazar,—Estimated cost Rs. 18,018.—The work of laying and jointing of distribution pipe-lines has been let on contract and the bulk of the pipes and specials have been delivered.
- (31) Abohar water-supply extensions,—Estimated cost Rs. 54,571.— The construction of filter beds and sedimentation and storage tank, etc., covered by this scheme has been almost completed and the works are expected to be put into operation at an early date.
- (32) Bit Raqa rural water-supply scheme, District Hoshiarpur,— Estimated cost Rs. 6,03 680.—The steel pipes and specials for the rising mains are on order and are arriving. Tenders for pumping plant are under consideration. Steel pipes and specials for distribution system were placed on order in 1939, but will not be delivered on account of the war.
- (33) Isakhel water supply, District Mianwali,—Estimated cost Rs. 17,122—The tube-well has been completed and the pumping station is being built. The pumping plant has arrived and is being erected.
- (34) Experimental boring at Matore and conversion into tube well if successful, Estimated cost Rs. 10,235.—The borehole has been completed. Some water-bearing strata has been tapped and a tube-well 391 feet deep, has been completed. An estimate for Rs. 21,190 has been submitted to cover the cost of pumping plant, service reservoir and skeleton distribution, etc.
- (35) Drainage extensions of Mandi Baha-ud din,—Estimated cost Rs. 53,494.—The scheme consists of provision of surface drains, pavements, flushing tube-well and flushing mains of cast-iron pipes in a newly developed abadi area on the east side of the town. The work is approaching completion.
- (36) Rewari waterworks, installation of 5 Nos. electrically driven deep well pumping sets, one over each well with electrically driven booster pumping set on the surface.—Estimated cost Rs. 34.459.—This estimate covers the provision of an electrically driven vertical spindle

pumping set of average capacity of about 2,000 gallons per hour on each of the five percolation wells forming the Headworks and one electrically operated, horizontal, centr fugal pumping set to boost the supply into the distribution and service reservoir situated in the town. This new plant is to replace the existing, oil engine driven, pumping plant which is worn out. The pumps and motors have been delivered at site and will be erected in the course of the next few months.

- (37) Sialkot waterworks extensions—(a) Tube well at Tibba Jalian, Sialkot,—Lstimated cost Rs. 11,700.—This will consist of a deep tubewell to be equipped with an electrically driven, vertical spindle, borehole pump to give a discharge of about 16,000 gallons per hour into the existing overhead service reservoir. Owing to the war the cost of the work has gone up and the estimate will have to be revised.
- (b) Tube-well at Mohalla Dharowal, Sialkot,—Revised estimated cost Rs. 19,712,—This is a new independent deep tube well to be equipped with an electrically driven, vertical spindle, borehole pump to discharge about 15,000 gallens per hour into the distribution system. The pumping plant has been placed on order and the contract for the tube well has been let.
- (38) Joint water supply for villages Daiwal, Kurar and Tilokar, District Shahpur,— Estimated cost Rs. 92,120.—This is an important rural water supply scheme for supplying the three villages of Daiwal, Kurar and Tilokar by a high pressure C. I. and steel tipe-line 4" in diameter, 3" in diameter, and 2" in diameter, about nine miles long, from the Bhiot Spring on the southern slopes of the Salt Range. The cast iron at disterlipines, specials and valves have been placed on order and are expected to be delivered shortly.
- (39) Lahore Sewerage Scheme,—Estimated cost Rs. 2,41,44,160.—The execution of the sections described below of Part No. 1 of this important project was taken in hand during the year:—
- (a) Estimate No. 1-Central and Outfall sewer for Central Civil Station area from McLeod Road crossing of Nisbet Road to Outfall pumping station west of Veterinary College,—Estimated cost Rs. 6,29,397.—It is work has been let on two contracts:—

Contract No. 1.— Part of Central sewer and Outfall sewer for the Central Civil Station from Katchery Road near entrance to Law College to west of Bhati Gate Outfall, west of the Veterinary College, Lahore, covers a length of about 5,400 linear feet of 54" internal diameter and 57" internal diameter spun, reinforced concrete, outfall pipe sewer. The pipe manufacture has involved the installation of special pipe spinning machinery at the works of the Contractors at Lahore Cantonments. The plant has been installed and manufacturing operations have begun.

- Contract No. 2.—Part of Central Sewer for the Central Civil Station District from McLeod Road near junction of Abbott Road to Katchery Road near entrance of Law College, Lahore, consisting of about 5,800 feet length of brickwork and reinforced cement concrete sewer 54" internal diameter, with manholes and other works contingent thereto. The work has been let on contract and materials are being collected.
- (b) Estimate No. 2—Main tranch sewer from junction of Kashmir Rood and Mall Road near Anarkali Gate of Government House to McLeod Read via. the Mall and Hall Road,—Estimated cost Rs. 64,866.—Construction work was commenced in December, 1939, and three hundred linear feet of 26" by 39" pressed brick-lined, egg-shaped sewer was completed during the month along with manholes and other contingent works. Further work is in progress.
- (c) Estimate No. 3—Trunk sewer from crossing of McLeod Road and Brandreth Road to junction of Nisbet Road via McLeod Road,—Estimated cost Rs. 54,579.—Construction work was started in December, 1939, and two hundred feet length of 22" by 33" pressed brick-lined egg-shaped sewer with manholes, etc., was completed during the mouth. Further work is in progress.
- (d) Estimate No. 4—Trunk sewer along Abbott Road from Empress Road to McLeod Road,—Issimated cost Rs. 51,597.—Construction work was started during November, 1939, and eight hundred feet length of 26" by 39" pressed brick-lined egg-shaped sewer with manholes, etc., has been completed and further work is in progress.
- (e) Estimate No. 5—Branch sewers of glazed-ware pipes, Blocks Nes, 9, 10 and 18, Civil Station,—I stimated cost Rs. 1,21,197.—A contract for the supply of glazed-ware pipes and specials has been placed and work will be started as soon as these are received.
- (f) Estimate No. 6-Southern City sewer,—Estimated cos-Rs. 1,39,537.—A contract for this work has been let and the pressed bricks and other materials required for the work are being collected.
  - (g) Estimate No. 7—Branch sewer in Central Civil Station along Nihal Chand Bazar,—Estimated cost Rs. 30,574.—A contract has been let and machine-pressed bricks and other materials for the construction work are being manufactured.
  - (h) Estimate No. 8—Western City sewer,—Estimated cost Rs. 22,206.—The glazed-ware pipes and specials required for the work have been placed on order, and construction will be taken in hand as soon as these are received.
  - (i) Estimate No. 9—Main branch sewer along Durand Read and part of Mayo Road,—Estimated cost Rs. 44,949.—The construction of the brick, egg-shaped sewer has been taken in hand and is progressing satisfactorily.

- (j) Estimate No. 10—Acquisition of land for Sectional Pumping Station at Chota Ravi,—Estimated cost Rs. 11,689.—Notification under section 4 of the Land Acquisition Act of 1894 has been published in the Gazette and necessary arrangements are being made to acquire the land.
- (k) Estimate No. 11—Northern City and Western trunk sewers and City outfall sewer,—Estimated cost Rs. 4,33,810.—The works covered by this estimate have been let on three contracts. The contractors are busy with manufacture of the bricks and collection of other materials required for the construction work.
- (l) Estimate No. 12—Branch sewers draining into the main trunk sewer under Abbott Road,— Estimated cost Rs. 28,921.—The glazed-ware pipes and specials required for the work have been placed on order and construction work will be taken in hand as soon as these are received.
- (m) Estimate No. 13—Branch sewers in Changar Mohalla,—Estimated cost Rs. 33,831.—Tenders for the supply of glazed-ware pipes and specials required for this work have been invited and are under consideration.
- (n) Estimate No. 14—Branch sewers in Garhi Shahu area,—Estimated cost Rs. 49,093.—Tenders for the supply of pipes and specials required for this work have been invited and are under consideration.
- (o) Estimate No. 15—Acquisition of land for main outfall pumping station, rising main, access road, etc.,—Estimated cost Rs. 60,276.—Preliminaries for acquisition of land have been taken in hand and draft notification under section 4 of the Land Acquisition Act has been sent to the Deputy Commissioner, Lahore, for verification.
- (40) Lahore Municipality—New egg-shaped sewer size 38" by 57" from Lytton Road to Rajgarh pumping station,—Estimated cost Rs. 61,931.— The work of the first half section of this sewer has been let on contract and materials are being collected to enable work to be started shortly. The commencement of construction of these works was delayed for soms time on account of the difficulty in procuring suitable machine-pressed bricks for the sewer linings and further delay was occasioned due to the outbreak of war and consequent inability to secure brick manufacturing plant from Great Britain. It is anticipated that there will be considerable activity on the construction of sewers during the year 1940 when the construction of the main sewage outfall pumping station and the Chota Ravi sectional sewage pumping station will be commenced.
- 8. Maintenance and operation of public health engineering works in connection with Government buildings and institutions, etc.—All important water-supply and sanitary installations and cognate works relating to Government buildings and institutions throughout the Province continued to be maintained and run by this Circle for the year 1939 as usual. These works comprise water-supply installations consisting of tube-wells and percolation wells with steam, oil

engine and electrically driven pumping plants, hand pumps, pipe-lines, tanks, reservoirs, etc., sanitary installations consisting of fittings of all types, drains, sewers, sullage tanks, and sewage farms, disinfecting plants, gas plants, hot water-supply and heating installations, air conditioning plants, laboratory installations, etc. Amongst important works brought into operation during the year may be mentioned the following:—

- (a) Improvements to water-supply of Punjab Agricultural College, Lyallpur.
- (b) Water-supply of the Government Tanning Institute, Jullundur.
  - (c) New large tube-well, Mayo Hospital, Lahore.
- (d) New large tube-well and improvements to working of fountains, Shalimar Gardens, Lahore.
  - (e) Irrigation tube-well water-supply for Emerson College, Multan.
    - (f) Pirmahal water-supply scheme.

The three Government Estates at Lahore, comprising 445 residential bungalows and quarters with the roads (except of G. O. R. Estate) lawns, drainage, water-supply systems, and conservancy arrangements thereof, continued to be maintained and administered by the Executive Engineer, II Lahore Public Health Division, Public Works Department. This work as usual included the realization of rents, water, and conservancy charges as well as the making of allotments of residential buildings in the Rivaz Gardens and Chauburji Estates.

In the course of the year, two of the remaining bungalows on the G. O. R. Estate which were not provided with damp proof courses, were under-pinned and cement concrete damp proof courses, three inches thick, covered with bitumen, were inserted.

- 9. Maintenance and operation of public health engineering works on behalf of local bodies.—The following important watersupply and drainage schemes were maintained and operated by divisions of this Circle on behalf of local bodies during the year under review:—
  - (1) Multan Municipal Committee—
    - (a) Multan waterworks.
  - (b) Multan drainage, Part II.
    - (2) Dera Ghazi Khan Municipal Committee.—Dera Ghazi Khan waterworks.
  - (3) Okara Municipal Committee—
  - (a) Okara waterworks.
  - (b) Okara drainage works.

- (4) Arafwala Notified Area Committee—
- (a) Arafwala waterworks.

namiceting

- (b) Arafwala drainage works.
- non simila san sausig (5) Khanewal Municipal Committee.—Khanewal waterworks.

types, drains, sowers,

- (6) Pathankot Municipal Committee. Pathankot waterworks.
- (7) Kangra District Board.—Jawala Mukhi waterworks.
- (8) Ambala Municipal Committee. Airlift installation on new experimental tube-wells at Handesra.
  - (9) Mian Channu Municipal Committee. Mian Channu drainage works. a. I farige of law -eds, Mayo Hospital La. sarow
  - (10) Tribal Area, Dera Ghazi Khan.—Fort Munro Water-supply fountains, Shalimar Gardens, Labore, . sarow
- (11) Murree Joint Water Board.—Murree water-supply works.
  - (12) Rawalpindi District Board.—Nurpur Fair waterworks.
  - (13) Jhelum District Board Aggus-Talaw Indonesia (1)
- (a) Choa and Katas Fair waterworks.
- (b) Thal Haga rural water-supply works for villages of Lilla, Jethal, Dhudi, Tobah, Kundal, Kandwal and Saroya. oldan sandal 11 montant evisuosxi salt vd Division, Public
- (14) Lahore Municipality—
  - (a) Shishmahal sewerage scheme.
  - (b) Rajgarh sewage pumping station.
  - (15) Lahore Municipal Committee and Defence Department .-Miannmir storm water channel, Lahore.
    - (16) Mianwali District Board .-
      - (a) Musakhel rural waterworks.
      - (b) Sanwans village waterworks.
    - (c) Burekhel village waterworks.
  - (17) Shahpur District Board. Choha village waterworks.
  - (18) Pind Dadan Khan Municipal Committee .- P nd Dadan Khan temporary waterworks.
  - (19) Rawalpindi Cantonment and City .- River Leh Canalization, Rawalpindi.
  - (20) Attock District Board .- Tamman rural waterworks.
  - (21) Palampur Municipal Committee-Palampur waterworks.
  - (22) Isakhel Municipal Committee .- Isakhel waterworks.

- (23) Campbellpur Municipal Committee.—Campbellpur waterworks.
- (24) Panipat Municipal Committee.—Panipat waterworks.
  - (25) Vehoa Small Fown Committee .- Vehoa water-supply.
- 10. Preparation of projects for public health engineering works for Government buildings and institutions.—The estimated cost of projects for Government works during the year under review was as follows:—

(1) (a) Major works	Rs. 2,86,422
(b) Major works (revised)	10 lor 87,080 1 ,alroy
(2) Minor works	4,47,332
(8) Maintenance and repair works	4,72,372 10 8 10 8
feture than in cast vears. In order to come to come of by thator, local bodies have	12,93,206

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Details of these projects are given in Statement " A " annexed.

11. Preparation of projects for public health engineering works for local bodies.—Numerous projects for major and minor public health engineering works of local bodies were prepared in the Circle and its divisions during the year.

A list of these is attached in Statement " A " annexed.

A large number of projects which had been got out by the staff of local bodies were examined and those found in order were technically sanctioned, while the remainder were returned for amendments or amplifications in the light of detailed instructions and technical notes recorded by the officers who examined them.

A list of such projects is given in Statement "B" annexed.

- 12. Inspections of works of local bodies.—About 200 inspections of public health works in urban and rural areas were made by officers of the Circle during the year and reports prepared or advice tendered thereon.
- Government buildings and in connection with establishment and maintenance of fire brigades of local bodies.—Advice was tendered to several local bodies on the most suitable arrangements and equipment of fire brigades while detailed specifications and other data were prepared to assist local bodies to call for tenders for equipment. Tenders were scrutinized and technical assistance given to the authorities concerned in the selection of the most suitable offers. Some fire-brigades with their equipment were inspected by officers of the Circle in course of their tours of inspections and reports furnished thereon.

- 14. Technical advice and designs for Commissioner, Rural Reconstruction, in connection with rural uplift work—Technical advice and drawings were supplied to the Commissioner, Rural Reconstruction, in regard to public health engineering matters when applied for.
- 15. The standard of maintenance and upkeep of public health engineering works of local bodies.—Pressure continued to be steadily exerted on the local bodies with a view to their improving the care and maintenance of public health engineering installations belonging to them. The standard of cleanliness and sanitation generally observed in urban areas with few exceptions continued however to be unsatisfactory and many municipal water-supply and drainage works, the control of which is vested in the local bodies, are still in a defective state. In view of war conditions tending to increase difficulties of obtaining spare parts and spare machinery, the adverse effects of past inefficiency and bad maintenance will become of more serious moment in the future than in past years. In order to counteract delays likely to be caused by the war, local bodies have been advised to order adequate stocks of spares, equipment and stores well ahead of actual requirements and it is to be hoped they will act on the advice given.

Particulars are given in the following pages of the present stages of development of public health engineering works in various towns and districts of the province.

- 16. Urban areas—(1) Abohar (population 14,035).—One storage and sedimentation tank, size 239 feet by 197 feet by 10 feet deep and two additional slow sand filter beds have been provided at the headworks which are now capable of dealing with a supply of 225,000 gallons daily. The average daily supply of water for the year 1938 39 was 143,414 gallons. There are now 320 metered private connections. A project for Rs. 38,170 for drainage extensions has been sanctioned and the works will be taken in hand during next year.
- (2) Alipur (population 3,931).—The sanitary condition of this town is bad. The sub-soil water-table is rising and has reached within 10 to 12 feet below ground level. A drainage project amounting to Rs. 61,734 is under preparation.
- (3) Ambala City (population 35,193).—Estimates have been submitted to the local body for trial borings 600 to 700 feet in depth at Ambala and Handesra, respectively, in order to make further attempts to find suitable water-bearing strata. The average daily supply recorded for the year 1938-39 was 157,988 gallons as compared to 151,059 gallons during 1937-38.
- (4) Ambala Saddar Bazar (population 26,517).—The construction of two additional deep tube-wells is in progress and work on the improvements to distribution system has also been taken in hard.

(5) Amritsar (population 263,210).—Three estimates amounting to Rs. 1,80,518 for the construction of three reinforced concrete overhead reservoirs at Dhab Tili Bhannan, Toba Bhai Salo and new Katchery road have been approved administratively and detailed schemes are under preparation.

Work amounting to Rs. 61,553 for the improvements and renewal of cast iron pipe-lines for distribution is being taken in hand.

Estimates amounting to Rs. 78,781 for the improvements of pavements and surface drains in certain mohallas have been prepared, and further estimates for the remaining part of the city are under preparation. The local body has deposited funds to the extent of Rs. 41,346 and construction work is being started.

The average daily quantity of water supplied for the year 1938-39 was 4,100,000 gallons.

(6) Arafwala Mandi (population 3,201).—The water-supply and drainage schemes continue to function satisfactorily.

The water-supply distribution system has been extended to the Factory area and the Rest-house and the Tahsil area will be served as soon as permission is obtained to cross the railway line. The distribution system has been extended in certain streets at an estimated cost of Rs. 9,025 and the hydrants in connection therewith are on order.

The average daily quantity of water supplied for the year 1938-39 was 85,989 gallons.

(7) Bhalwal (population 4,153).—A new tube-well 366 feet deep has been completed. It has been sunk into alluvial sweet water-bearing strata and is being connected to the existing pumping plant.

The average daily supply during 1938-39 was 33,047 gallons.

(8) Bhiwani (population 35,866).—Both the water-supply and drainage schemes have functioned satisfactorily and certain additional branch distribution pipe-lines have been completed.

The average daily water-supply was 162,600 gallons during the year 1938-39, and there are 116 private connections, all metered.

(9) Burewala (population 3,271).—The greater part of Part I of the new drainage scheme amounting to Rs. 60,549 has been completed and the remainder will be finished in the first half of 1940. A new water-supply scheme estimated at Rs. 1,06,922 has been taken in hand. One tube-well has been completed and the other is in hand while all cast iron pipes, specials and the pumping plants have been delivered at site. The scheme is expected to be completed during 1940.

- (10) Chak Jhumra (population 4,094).—A surface drainage schemefor new moballas at Chak Jhumra estimated at Rs. 29,477 has been prepared and work will be taken in hand when funds are allotted. The waterworks are inefficiently maintained. The average daily supply of water was 42,066 gallons during 1938-39.
- (11) Chichawatni (population 4,387).—A detailed surface drainage project has been prepared and will be sent to the local body in 1940.
- (12) Campbellpur (population 7,997).—The water-supply works of this town are based on a deep percolation well equipped with a pair of oil engine-driven deep well reciprocating pumps which deliver the water into two overhead service reservoirs whence the distribution system takes off. The yield of the well has seriously deteriorated and the supply of the town is very meagre. The local body has been advised to augment the supply but nothing has been done so far. The works which were in a neglected state were handed over to this Department for operation and maintenance at the commencement of the financial year 1939-40. The average daily supply for the year 1938-39 was 113,000 gallons.
- (13) Dajal (population 6.185).—The water-supply arrangements are very unsatisfactory. Water from the Rakhni stream is collected in dirty ponds in the vicinity of the town. The supply is inadequate and also heavily polluted.

A scheme has been prepared with headworks at Said Alif about 20 miles from Dajal. Unfortunately the cost was beyond the financial capacity of the local body and further investigation is in hand with a view to reduce the cost if practicable.

- (14) Dunyapore Mandi (population 1,949).—An estimate for Rs. 8,716 for the provision of a brick-lined, canal water storage tank for the water supply of the present population has been sanctioned. The capacity of the proposed tank is 456,000 gallons and the construction work is being taken in hand.
- (15) Dera Ghazi Khan (population 23,468).—The waterworks continues to be maintained in very good condition, the average daily supply for the year 1938-39 being 180,847 gallons.

Nothing has so far been done in regard to drainage improvements.

- (16) Fazilka (population 18,463).—A surface drainage scheme amounting to Rs. 30,089 has been submitted to the local body and work will be taken in hand when funds are allotted.
- (17) Gojra (population 9,779)—An estimate amounting to Rs. 7,881 for a deep trial bore has been submitted to the local body and work will be taken in hand when funds are allotted.

The average daily supply of water during 1938-32 was 100,000 gallons.

- (18) Gujranwala (population 58,716).—No improvement has been made in this town so far as the development of public nearth engineering works are concerned. The town is surrounded by ponds and subsoil water is very high. An estimate amounting to Rs. 20,00 for the drainage of the Baghbanpura and Khatekan ponds into a neighbouring subsoil drainage channel of the Irrigation Branch, Public Works Department, has been submitted to the local body and work will be taken in band when funds are provided.
- (19) Gujrat (population 25,604).—This is a backward town from the sanitary point of view. A surface drainage scheme amounting to Rs. 3,35,827 has been prepared and is ready for submission to the local body for acceptance.
- (20) Gujrat Railway Bazar area (population 1,961).—A surface drainage scneme estimated at Rs. 88,745 has been prepared and submitted to the local body for acceptance and deposit of funds for the execution of the work.
- (21) Guru Har Sahai (population 1,470).—A surface drainage scheme is being worked out and will be submitted to the local body shortly.
- (22) Hafizabad (population 14,431).—Extensions of the surface drainage works into the mandi area have been completed.
- (23) Hansi (population 18,356).—Preparation of water-supply and drainage projects is in hand and it is expected that these will be submitted to the local body in due course.
- (24) Hissar (population 21,179).—A comprehensive drainage scheme for this town is under preparation and will be submitted to the local body in 1940. The preparation of the project was delayed as the local body could not decide about the site of the proposed disposal works.
- (25) Isakhel (population 7,515).—A deep tube-well has been sunk to a depth of 510 feet in the town and it is being equipped with diesel engine driven, vertical spindle, borehole pumping plant.
- (26) Jaranwala (population 7,320).—Enlargement of the water-supply works is urgently needed and an estimate amounting to Rs. 22,407 has been submitted for the provision of an extra filter bed and a storage tank.

The average daily water supply during the year 1938-39 was 70,000 gallons.

(27) Jagraon (population 24,034).—The local body has applied for the preparation of drainage of Agwars, i.e. certain suburbs. The eld work has been completed and the project is under preparation.

(28) Jullundur (population 74,295).—The surface drainage system and outfall works are kept in a fairly good state of repairs but the oil engine-driven pumping plant at the disposal works needs overhauling.

Construction of Part I of the drainage extension scheme amounting to Rs. 61,445 is nearing completion.

Part II of the drainage extension scheme estimated at Rs. 66,465 has been submitted to the local body for acceptance and work will be taken in hand when funds are deposited.

Part III of the drainage extension scheme is under preparation.

- (29) Kalka (population 7,937).—A surface drainage scheme amounting to Rs. 47,187 is still pending with the local body, and no progress has been made in carrying out urgent and necessary improvements required to the existing surface drainage and water-supply systems.
- (30) Khanewal (population 11,205).—The skeleton water-supply scheme based on tube-well with airlift plant continues to function satisfactorily, the average daily water supply for the year 1938-39 being 57,493 gallons.

An estimate for a second electrically-driven tube-well has been prepared and submitted to the local body for provision of funds.

The surface drainage scheme has been completed and is functioning satisfactorily.

- (31) Kot Adu (population 4,925).—A surface drainage schem estimated at Rs. 27,670 has been prepared and submitted to th local body.
- (32) Lahore (population 590,000).-(i) Lahore Sewerage Scheme.-The construction of the Lahore Sewerage Scheme-Part I (City and Central Civil Station area) was commenced this year, under a special division of this Circle called the 3rd Lahore Public Health Division. Contracts to the value of about 17 lakhs of rupees were let and construction work put in hand on the Civil Station Outfall and Trunk sewer from McLeod Road to the Outfall pumping station, the Abbott Road sewer, the sewer from the Railway Station to junction of Abbott Road and McLeod Road and the Mall and Hall Road sewer. Orders were placed for large quantities of cast iron manhole covers and glazed-ware pipes and specials for various branch sewers and for junction blocks in connection with brick sewers, while manufacture of special machine compressed bricks for sewer linings and of large diameter, heavy, reinforced concrete, spun and vibrated tubes for the main outfall sewer, was proceeded with. Preparations were made for making an early start on the construction of the City Outfall sewer, Western Trunk sewer, Northern Trunk sewer, Southern City sewer and various other

sewers. The detailed designs and projects for the Chota Ravi pumping station and the main outfall pumping station as well as for sewerage and drainage works of certain insanitary areas such as Gowal Mandi, Garhi Shahu and Anarkali were pushed forward.

(ii) Other drainage and sewerage works.—The Lahore suburban drainage scheme (estimated cost Rs. 1,97,854) for drainage improvements of the suburbs of Krishan Nagar, Sant Nagar, Prem Nagar and Rajgarh is approaching completion and the subaqueous construction of the brick, egg-shaped, outfall sewer discharging into the Rajgarh pumping station was pushed through successfully in spite of serious difficulties with water and running sand.

Branch surface drains in streets and lanes of the suburbs classified as "private" by the Municipality have been held up under orders of the Administrator. An estimate for Rs. 61,931 was sanctioned for a new brick, egg-shaped, outfall sewer, size 88" by 57" about 5,000 feet long, from Lytton Road to Rajgarh pumping station. The funds for about half of this work were deposited and a contract let. The rest of the scheme will be let on contract in 1940.

Estimates are under preparation for branch surface drains and pavements inside streets and lanes of the suburbs of Krishan Nagar, Sant Nagar, Rajgarh, etc. The Shishmahal sewerage system and the Rajgarn sewage pumping station was maintained by this Department throughout the year. Many improvements were effected and the works are in good working order.

- (iii) Water supply.—New deep tube-wells were completed during the year at Gol Bagh, Lange Mandi and Badami Bagh and brought into action to augment the existing water supply. The first two are equipped with 45 H. P. electrically-driven, vertical spindle, borehole type, turbine pumps while the other has been connected directly to the suction system of the Badami Bagh steam pumping station. Two additional large and deep tube-wells have been put down at Temple Road and Race course Road and they will be equipped with electrically driven, vertical spindle, borehole type, turbine pumps in 1940 and brought into action in due course. The average daily water supply delivered from Municipal sources during the year 1938-39 was 10,000,000 gallons.
- (33) Ludhiana (population 69,262).—A large independent tubewell put down near the Southern Service Reservoir in 1937 continued to function satisfactorily. This year, a similar tube well has been put down near the Northern Service Reservoir, the estimated cost being Rs. 21,302. The pump house is under construction and the above tube-well will be put into operation in 1940. The average daily supply of water for the year 1938-39 was 899,659 gallons.
- (34) Lyallpur (population 42,922).—The average daily supply of water for the year 1938-39 was 932,959 gallons.

An estimate amounting to Rs. 2,18,345 for the construction of drainage outfall and disposal works is ready for submission to the local body.

- (35) Mandi Baha-ud-din (population 3,668).—Work on the drainage extension scheme is in progress. A further drainage extension scheme amounting to Rs 1,63,853 of supurban areas has been prepared and submitted to the local body.
- (36) Mian Channu (population 4,349).—Part I and Part II of the drainage scheme have been completed. An estimate amounting to Rs. 13,425 for increasing the size of the overhead flush-water reservoir and distribution system was sanctioned this year and the work is nearing completion. This will enable the flush-water system to be utilized as a skeleton wate-rsupply system for the town.
- (37) Montgomery (population 26,154).—An estimate amounting to Rs. 24,850 for the provision of water-supply extensions of distribution system inside the town in certain streets has been prepared and sent to the local body. The drainage system functioned satisfactorily during the year and for the year 1939 the local body anticipated obtaining a rental of Rs. 15,000 for the sewage farm of about 108 acres.
- (38) Muktsar (population 14,839).—The waterworks functioned satisfactorily, the average daily supply during 1938-39 being 159,317 gallons.

Proposals for enlarging the waterworks headworks are still pending with the local body.

A detailed drainage project amounting to Rs. 1,17,625 is ready for submission to the Municipal Committee.

(39) Multan (population 108,351).—The daily water supply for the year 1938-39 was 220,687 gallons as against 211,255 gallons for the previous year.

The local body is still thinking over the replacement of two tube-wells which are in a clogged condition and need renewal and nothing effective has so far been done in the matter.

Part II of the drainage scheme was handed over to the local body for maintenance during the year but Part I is still in a disused state.

For the year 1939-40 the Municipality anticipated realizing about Rs. 150 in respect of sale of sullage water from the two outfall pumping stations of Parts I and II of the drainage scheme. This compares very unfavourably with the revenue figures of the sullage farms at Okara and Montgomery, though the populations of these latter towns are only a small fraction of that of Multan.

(40) Murree Joint Water Board (Summer population about 30,000).—The water-supply scheme was maintained satisfactorily

during the year, although some shortage of water was experienced in the hot weather season on account of the increasing demands for water of the local body and the military authorities. A recommendation has been made to the Board to double the existing six-inch gravity pipe-line from Dunga Galli to Khyra Galli in order to augment the supply to Murree. The supply distributed for the year ending 31st March, 1939, was as follows:—

Gallons.

Military area .. .. .. 26,645,805

Municipal area .. .. 27,363,940

Total .. 54,009,745

as against 46,978,403 gallons for the previous year.

(41) Okara (population 10,712).-The water-supply scheme functioned satisfactorily during the year, the average daily supply for 1938-39 being 163,331 gallons as compared with 146,611 gallons for the previous year.

Certain branch water-supply extensions were completed.

The surface drainage scheme functioned satisfactorily during the year and the drainage extensions have also been completed. For the years 1938-39 and 1939-40 the local body received a revenue of Rs. 6,383 for rent of the sewage farm, 28 acres in area, including the sullage water. The sewage outfall works were kept in excellent order and the sewage farm was in prosperous condition.

- (42) Palampur (population 860). The water-supply scheme functioned satisfactorily during the year.
- (43) Pathankot (population 9,763).—The water-supply scheme continued to function satisfactorily, the average daily supply of water during 1938-39 being 100,500 gallons as against 85,835 gallons during the previous year.
- (44) Phullerwan (population 2,957).—The deep tube-well completed in 1937, continued to yield a potable supply of water. A water-supply extension scheme is under preparation, in order to meet the demands of the growing population.

A project for drainage extensions prepared in 1935 amounting to Rs. 77,757 is still pending with the local body.

(45) Pind Dadan Khan (population 9,832).—The construction of a water-supply scheme based on wells at Haranpore is in progress. Work has been considerably hampered due to delays in acquisition of the land required for the headworks, wells and pumping station but if no further delay occurs it is expected that the scheme will be finished and ready for operation in 1940. Until these permanent works are ready, the existing temporary water supply based on raw river Jhelum water will continue. The average daily supply of water from the temporary water-supply scheme was 43,792 gallons during 1938-39.

(46) Pir Mahal Mandi (population 1,520).—The water-supply scheme has been completed but has not been put into operation as the local body has failed to provide funds for the work.

Work on certain additional distribution pipe-lines will be completed in 1940.

- (47) Panipat (population 32,915).—The water supply scheme was completed and put into operation during the year. The local body has now applied for the preparation of a drainage scheme.
- (48) Rohtak (population 35,235).—The waterworks scheme functioned satisfactorily during the year and extension of the distribution system along the Delhi-Multan Road to the Jat Heroes Memorial School was completed. The water-supply headworks have become inadequate to meet the water-supply demands of the growing population and need to be enlarged. The average daily water supply during 1938-39 was 331,937 gallons.

The drainage system of the town is in dilapidated condition. A drainage extension scheme estimated to cost Rs. 1,29,638 has been prepared for extension of surface drainage in the newly developed suburbs of the town, i.e. the Khat Mandi area, etc.

(49) Rawalpindi (population 75,767)—(i) Water supply.—The water-supply scheme functioned fairly well although there was some shortage of water during the summer. The daily supply of water was 1,506,440 gallons during 1938-39.

The local body has deposited Rs. 13,600 for a trial boring for an independent tube well near the Public Gardens and the work will be carried out in 1940.

- (ii) Drainage.—The drainage arrangements are in dilapidated condition and the sullage of the town is being discharged into the River Leh. The local body has asked for a preliminary comprehensive drainage estimate with a view to obviate the pollution of the River and a scheme is under consideration.
- (iii) River Leh Canalization.—The canalized section of the River continued to function satisfactorily. The work has progressed fairly well and the total canalized length at the end of the year was about 21,000 linear feet extending upstream of the Rock fall below Topi Park.
- (50) Rewari (population 26,269).—The condition of the waterworks went from bad to worse during the year and the old pumping plant is in a rickety condition. The local body has found Rs. 34,459 for the installation of 5 Nos. electrically-driven deep well

pumping sets, one over each headworks well, with electrically-driven booster pumping set on the ground surface to pump the water into the existing service reservoir. The pumping equipment has been delivered at site and construction of motor rooms over the wells and pipe-laying work is in hand.

The average daily supply of water for the year 1938-39 was 139,110 gallons.

The drainage system of the town is in the same dilapidated condition as described in last year's report.

- (51) Sahiwal (population 7,762).—The local body has applied for a drainage scheme. A plan of the town has been prepared, and field work has been completed for the preparation of the scheme which is under preparation.
- (52) Sargodha (population 26,761)—(i) Water supply.—The water-supply works are entirely inadequate in size and capacity to meet the water-supply demands of the growing population of the town.

An estimate amounting to Rs. 73,126 and Rs. 38,955 have been submitted to the local body for the provision of an additional storage and sedimentation tank and additional filter beds while further estimates for the provision of electrically-driven pumping plant and larger rising main respectively is ready for submission to the local body.

The average daily supply for the year 1938-39 was 331,185 gallons.

- (ii) Drainage.—The surface drainage scheme is old and dilapitated. A comprehensive drainage scheme amounting to Rs. 1,82,990 has been prepared for the improvement of the existing outfall and disposal works, and provision of surface drainage in the newly developed suburbs and prospective areas to be developed for urban purposes later on. This scheme is ready for submission to the local body.
- (53) Sialkot (population 85,093).—The water-supply scheme functioned fairly satisfactorily during the year. A new independent tubewell at Greenwood street was completed and is functioning, while another tube-well at Dharowal street has been put in hand. The average daily supply of water during 1938-39 was 864,421 gallons.

The drainage of the town is in a fair condition, but annual repairs and maintenance are defective.

- (54) Sillanwali (population 2,585).—The source of water supply is canal water and the waterworks are in dilapidated condition. The average daily supply for the year 1938-39 was 30,000 gallons.
- (55) Sheikhupura (population 12,166).—The drainage of Thatti Balochan suburb has been practically completed but some intramural drains are incomplete as the local body has not been able to get encroachments removed.

New outfall and disposal works are in hand but the local body has not as yet handed over the land to be acquired for sewage farm, hence the rising main from the pumping station to the sewage farm cannot be completed.

- (56) Simla (population 52,400)—(i) Drainage.—The existing drainage works were maintained as efficiently as practicable during the year but no new works of any importance were carried out.
- (ii) Water supply.—New lime treatment plants were installed at Chair and Guma in order to increase the alkalinity of the water so as to retard the attack of corrosion on the internal surfaces of the steel rising and gravity mains between the headworks and Simla.

The new electrically-driven high lift turbine pumping plant, capacity about 25,000 gallons per hour, ordered the previous year was installed at the Cheroot Nullah pumping station and put into operation. The average daily supply for the year 1938-39 was 739,722 gallons as against 675,654 for the previous year.

(57) Toba Tek Singh (population 5,903).—The water-supply system is based on canal water. The works are in a dilapidated condition and inadequate and require overhauling and enlargement.

The average daily supply for the year 1938-39 was 46,900 gallons.

(58) Vehari (population 1,588).—A detailed estimate amounting to Rs. 79,339 for a drainage scheme was submitted; work will be put in hand after funds are arranged.

An estimate amounting to Rs. 5,276 for a trial boring 700 feet deep was sanctioned and the work was entrusted to the Second Agricultural Engineer to Government, Punjab. It is anticipated that the work will be finished in 1940.

17. Rural Areas—(1) Mianwali District—(i) Musakhel water supply (population 7,982).—The scheme functioned satisfactorily throughout the year, the average daily supply being 16,575 gallons during 1938-39.

There is only one tube-well at present and a second one is required to be installed.

- (ii) Sanwans village water supply.—The scheme functioned satisfactorily throughout the year. Construction of a washing and bathing platform amounting to Rs. 594 was sanctioned from the savings of the main scheme.
- (iii) Burekhel village water supply.—The scheme functioned satisfactorily throughout the year.

- (2) Attock District—Tamman water supply (population 6,000).— The water-supply scheme was successfully operated throughout the year, the average daily supply being 26,079 gallons during 1988-39.
- (3) Jhelum District—(i) Thal Ilaga water supply (population 10,300),—This comprehensive gravity water-supply scheme, based on the Sardi spring in the Salt range functioned satisfactorily throughout the year. Water is now being supplied to the villages of Lilla, Jethal, Dhudi, Tobah, Kundal, Kandwal and Saroya.

Schemes for further extension to the villages Golpur, Bhilowal, Kora and Churian are under consideration.

(ii) Other schemes.—The following estimates were sanctioned technically for execution of works through the agency of the District Board:-Estimated cost.

Rs.

		Contractor Call
(a)	Construction of well at village dispen-	
-	sary, Khanpore	1,072
(b)	Construction of well at Ranjah	2,346
(c)	Construction of well at Dhok Khushal	one 590 il dauore
(d)	Construction of well at Dhok Walana	2,615

- (4) Shahpur District-(i) Choha water-supply scheme. This has been completed and is functioning satisfactorily.
- (ii) Joint water-supply scheme for villages Daiwal, Kurar and Tilokar-Estimated cost Rs. 92,120.-This work has been taken in hand and is expected to be completed during 1940. The cast iron and steel pipes and valves are on order.
- (iii) Padhrar village.—An estimate amounting to Rs. 13,717 for the construction of a 15-feet diameter well 25 feet below spring level was prepared and forwarded to the District Board for acceptance and deposit of funds for execution of work.
- (5) Dera Ghazi Khan District-(i) Vehoa water supply (population 4,000).—The work has been completed and functioned satisfactorily.
- tube-wells .- The installation of 44 No (ii) Fort Munro water supply.—The scheme functioned satisfaczaffargarh District. estimated cost Rs. 4,067, has been entrust viirot
- (6) Rohtak District-Construction of a tank at Lila Hari.-A project estimated to cost Rs. 6,062 was sanctioned for execution through the agency of the District Board.

(7) Gurdas pur District.—The following estimates were sanctioned technically for execution of work through the agency of the District Board:—

(i) Re-excavation of tank at Kahanpur, tahsil
Pathankot . . . . 2,977

(ii) Re-excavation of tank at Sehonti, tahsil
Pathankot . . . . 2,454

(8) Ambala District.—The following estimates were sanctioned technically for execution of the model the sanctioned

(8) Ambala District.—The following estimates were sanctioned technically for execution of the works through the agency of the District Board:—

(i) Construction of a well for chamars in village

Kanalsi .. .. .. .. .. 755

(ii) Improvement of water supply in village
Rahwas Sultanpur ... 570

(9) Muzaffargarh District—(i) Pavements and drains in villages.—
Pavements and drains were provided in the following villages through the agency of the District Board during 1939:—

#### Estimated cost.

and the second of the second second second	Lawner Cook
	Rs. Margaria
(a) Langu Sarai	528 (0000 0000
(b) Muradabad	
(c) Thatti Qureshi	500
(d) Kamalpur	
(e) Robillanwali	478 (156)
(f) Dhadhi Lal	477 Grando edi
(g) Basira	460 ml to diseque
(h) Karmdad Qureshi	298
(i) Alipore North	592

- (ii) Abyssinian tube-wells.—The installation of 44 No. shallow tube-wells equipped with hand pumps in the Thal tract of the Muzaffargarh District, estimated cost Rs. 4,067, has been entrusted to this Circle for execution.
- (10) Kangra District—(i) Estimates sanctioned—funds provided by Sanitary Board.—The following estimates were sanctioned technically

for execution of work from Sanitary Board grant through the agency of the District Board during 1939 :-

d pumps in various villages through the agency	Estimated cost.
	Rs.
(a) Improving the existing rainwater tank at Gahr, Nurpur tahsil	1,178
(b) Deepening rainwater pond at Shambu in Hamirpur tahsil	1,371
(c) Water-supply scheme for village Bhaleta, Kathalia, tahsil Nurpur	5,175

(ii) Funds provided by Government of India.—A sum of Rs. 7,110 was sauctioned from the Government of India second grant for rural reconstruction during the year for the improvement of water supplies in the following 17 villages:—

Total estimated cost.

	Total estimated cost.
	Rs.
(a) Dadoh	511
(b) Golwan Khan	801
(c) Jhakhli Khanni	904
(d) Chhatta Jogian	400
(e) Khatta	225
(f) Basi Khas	300
(g) Dak	300
(h) Matleh	350
(i) Bhatoli	600
(j) Rihan Khas	1,500
(k) Papher	1,500
(l) Aghar	600
(m) Makroli	600
(n) Dharboli	300
(o) Berot Khas	450 of ar noxe
(p) Gahr	1,178
(q) Shambu	1,371
Total	11,890
Share to be provided by the	as been sanctioned for
villagers	4,780
Balance, being grant of Govern-	18. Fairs (I) Nu
ment	7,110
a non one a sure of the control of	Idne man a one frances

- (11) Sheikhupura District.—An estimate amounting to Rs. 28,675 was sanctioned technically for installation of 208 No. shallow tubewells with hand pumps in various villages through the agency of the District Board.
- (12) Rawalpindi District—(i) Matore village water supply (population 8,000).—A tube-well 391 feet deep has been completed, and an estimate amounting to Rs. 21,190 for providing pumping plant, service reservoir and skeleton distribution system was submitted. The work has been held up as the villagers have not so far given an undertaking that they will meet the operation and maintenance charges of the scheme.
- (ii) Works executed by District Board agency.—The following estimates were sanctioned technically for execution of work through the District Board agency:—

Estimated cost.

and the second of a well for charmed the second	Rs.
(a) Extension of pipe-line from Nurpur Shahan to Dhok Firozkhan	1,989
(b) Improving and completing well at Bhatian Noor Din	1,371
(c) Repairing and improving tank at village Bishandot	868
(d) Constructing new spring at Mohra Malal village	210
(e) Improving existing well at Dhok Mochian on Rewat Bandi Road	307
(f) Improving old spring at Mohra Malal village	312
(g) Completing well at village Tikal (Kahuta tahsil)	114

- (13) Hoshiarpur District—(i) Bit Ilaqua water-supply scheme.—
  The large water-supply scheme estimated at Rs. 6,03,680 has been taken in hand and steel pipes and specials for the rising mains have been placed on order and are arriving. Due to the outbreak of the war the cost is likely to exceed considerably the estimated figures.
- (ii) Other Works.—An estimate amounting to Rs. 2,498 for sinking a baby well in the existing well at village Nangal Jarialan has been sanctioned for execution of work through District Board agency.
- 18. Fairs—(1) Nurpur Fai,r District Rawalpindi.—The fair was held in April, 1939. The water-supply arrangements worked satisfactorily, the water supplied for the year being 5,500,000 gallons out

of which it is computed that about 120,000 gallons were supplied during the fair period.

(2) Jawala Mukhi Fair, District Kangra.—The fair was held biannually as usual in March and September, 1939. The permanent gravity water-supply system functioned throughout the year supplying water to Jawala Mukhi village. During the fair days a power-driven "Boulton" elevator was installed in a well to supplement the water supply which was operated by the staff of this Circle.

The total water supplied for the year is computed at 1,200,000 gallons, out of which 250,000 gallons were supplied for the two fairs.

It is necessary to provide a second storage tank for storage of water to meet water-supply demands during fair days. An estimate amounting to Rs. 9,731 was prepared and submitted to the District Board, Kangra, as far back as 1932 but no funds have been provided.

(3) Choa and Katas Fairs, District Jhelum.—The fairs took place in April, 1939, when the special fair water-supply installation based on the Katas spring was put into operation and an ample supply of filtered water was supplied throughout the fair period.

About 863,500 gallons of water was supplied and distributed during the fair.

- (4) Sun Eclipse Fair, Thanesar, District Karnal.—No fair was held in 1939. The plants and reservoirs are being kept ready for the next sun eclipse fair due in 1941.
- (5) Pehowa Fair, District Karnal.—As usual, pumping plant from Thanesar Fair area was loaned to the District Board authorities for the fair in April, 1939. The water-supply arrangements were satisfactory and about 50,000 gallons of water was supplied.
  - (6) Phalgu Fair, District Karnal.-No fair was held in 1939.
- (7) Baba Farid (Pakpattan) Fair water supply, District Montgomery.—The tube-well has been completed. The oil-engine driven pumping plant has been delivered at site and the construction of pump house is in hand. It is expected that the work will be completed during 1940 and will be ready for delivering water for the fair of 1941.
- (8) Sakhi Sarwar water-supply scheme, District Dera Ghazi Khan.— In spite of great difficulties, one of the tube wells has been sunk by the Second Agricultural Engineer to Government and is expected to be ready early in 1940, when the pumping station will be constructed and pumping plant installed.

D. A. HOWELL.

Superintending Engineer, Public Health Circle, Punjab. of which it is computed that about 120,000 gallons were supplied.

bisanually as usual in March and September, 1839. The parmanent bisanually as usual in March and September, 1839. The parmanent Streity water supply system functioned throughout the year supplying water to Jawala Mukhi village, During the fair days a power dury of the fair days a power dury of the fair to supply the value of this Circle.

values, out of which 150,000 gallons were supplied for 1,200,000

some to meet water-supply demailed during tell that it is the trial to amounting to Es. 9,731 was prepared and submitted to the trial of Board, Kartrey, as for hour as 1832 but no funds have been provided.

A. (3) Chos and Lates Lairs, District Shelum.—The fairs took place in April, 1939, when the special (air water-supply insullation based on the Katas spring was published blickwich that an ample supply of filtered water was supplied. throughout the talk period.

About 863,500 gallons of water was supplied still distributed during the fair.

- (4) Sun Kelipse Fair, Phanaelle, The plants and reservoirs hie being kept ready for the next sun eclipse fair dua.in. 1911, gaing wen gainsurfaced (b)
- (5) Pelone Fair, District Karnal.—As usual, primping plant from Thanesar Fair area was lonned, to the District Board an bosities for the fair in April, 1939. The water-supply arrangements were satisfactory and about 50,000 callons of water was supplied.
  - (6) Pholon Pair, District Karnal,-No fair was held to 1939.
- (3) Raba Parid (Pakpatlon) Kain water supply. District Montgomory.—The tube-well has been completed. The off segine driven
  pumping plant has been delivered at site and the construction of
  gomor house is in hands It is expected that the work will be completed
  during 1940 and will be ready for delivering watch for the land of 1941.

  ove (8) Such Sormar voltar supply anome District Dera Char Schan.—
  In spite of great discoulties, one of the tube wells has been such by
  the Second Acricultural Response to Course wells has been such by
- In spire of great difficulties, one of the tone webs has been such by the Second Agricultural Engineer to Government and is expected to be ready early in 1910 when the pumping station will be constituted and pumping plant installed.

D. A. HOWELL,

eaw tist and the second street of the Superintending Engineer, the second secon

### STATEMENT " A".

# List of projects prepared in the Public Health Circle, Punjab, during the year 1939 (1st January, 1939 to 31st December, 1939).

Serial No.	Name of works.	Estimated cost.	Total.
3 3	Contractor water simply: dateacons of the world	Rs.	Rs.
2 3	1—GOVERNMENT WORKS.  (a) DETAILED PROJECTS.	na ylggre-a nol 4- moż kiela Lanor M-a	t Wati
	1. Major works estimates.	Codd da sand	anp Cons
1	Vehari Mandi drainage, Part I	79,339	Am
2	Addition and alteration to distribution system of Pirmahal water-supply.	11,820	Lah Tynyr a
8	Land acquisition for the sullage farm near the New Police Lines, Ludhiana.	22,264	1,13,423
4	dhina, water-supply and sani-	of syllanged	HvE) 8
000,1	2. Revised major works estimates.	la Khuel M.	7 Rone
1	Agricultural College, Lyallpur, sewerage scheme	53,407	Action to
2	New Police Lines, Ludhiana, drainage scheme	33,673	07.050
900.	3. Minor works estimates	1.49,597	87,080 4,47,382
11	4. Maintenance works estimates -	50,574	4,72,372
207	No. 7 sing Nibal Chand bean.	atsolorg be	
008.	Carried to Abstract	ninary proje	11,20,207

Serial No.	Name of works.	Estimated To	tal.
Ja	I-GOVERNMENT WORKS-concld.	Rs. F	s. lab
	(b) PRELIMINAR Y PROJECTS.		CO E
	1. Major works estimates.		
1	Water-supply and sanitary installations in 7 quarters—4 for Superintendents and 3 for Personal Assistants—at Brockhurst Estate, Simla-E.	10,010	
2	Construction of additional latrines for menials' quarters at the Mayo Hospital, Lahore.	10,211	
3	Sanitary installation for proposed Government High School and Boarding House for Girls at Amritsar.	13,643	
4	Improvements to water supply, Central Jail, Lahore.	23,118	
5	Water supply for Government Hosiery Institute, Ludhiana, Estimate A—	aw inflamed to	
	Alternative No. 1	20,858	
888	Alternative No. 2	11,678	
6	Civil Hospital, Ludhiana, water-supply and sanitary installation.	39,679	
7	Renala Khurd Mandi drainage scheme, Part I	43,802	2,999
1	ge, Lyalluur, sewerage scheme   68,407		
	2. Preliminary projects revised	Ni	,
-	Imhlana drainage scheme 38,073		_
030,	18 ——		
¥118.	Carried to Abstract	1,72	,999
278	C.7.5	ow annunctained &	
	Abstract.		
	Detailed projects	11,20	.207
	Preliminary projects		,990
702	ed to Abstract 11,20		
	Carried to Summary	12,93	,206

Serial No.	Name of works.	Estimated cost	Total.
	II—CONTRIBUTION WORKS.	Rs.	Rs.
	(a) DETAILED PROJECTS.	L. Major v	
1	1. Major works estimates.  Montgomery water supply; extension of distri-	24,253	odaT b
2	bution pipes inside the town in certain roads and streets.	sition of la	
2	Trial bore at Municipal Garden, Rawalpindi City.		
3	Murree water supply: Panch Pandu reservoir—providing watertight lining of malthoid and 3" thick cement concrete.	51,059	
4	Thal Ilaqa water supply, joint water supply of Daiwal, Kurar, and Tilokar villages, District Shahpur.	94,000	
-5	Lahore sewerage scheme, Estimate No. 1; Central and outfall sewer for Central Civil Station area from McLeod Road to outfall pumping station west of Veterinary College.	6,29,397	Eshor Brin
6	Lahore sewerage scheme. Estimate No. 2; main branch sewer from junction of Kashmir Road and Mall Road near Anarkali Gate. Government House to McLeod Road via Mall and Hall Road.		Garb Garb
7	Lahore sewerage scheme, Estimate No. 3; sewer from Brandreth Road and McLeod Road crossing to Nisbet Road crossing on McLeod Road via McLeod Road.	54,579	No. I Storm
8	Lahore sewerage scheme, Estimate No. 4; trunk sewer along Abbott Road from Empress Road to McLeod Road.	51,597	sinsti di
9	Lahore sewerage scheme, Estimate No. 5; Central Civil Station, branch sewers of stoneward pipes in Blocks Nos. 9, 10 and 18, Civil Station District.		Drain,
10	Lahore sewerage scheme, Estimate No. 6; southern city trunk sewer.	1,39,537	antesty of
11	Lahore sewerage scheme, Estimate No. 7; Branch sewer in Central Civil Station Block No. 7 along Nihal Chand bazar.	30,574	lamsi .
12	Lahore sewerage scheme, Estimate No. 8; western city trunk sewer.	23,206	Rot A
13	Lahore sewerage scheme, Estimate No. 9; main branch sewer along Durand Road and part of Mayo Road.	44,949	in an an
810	2,87	13,42,814	

Serial No.	Name of works.	Estimated cost.	Total.
-	II-CONTRIBUTION WORKS-CONTD.	Rs.	Rs.
-	(a) DETAILED PROJECTS—concld.	13100-11	
	1. Major works estimates-concld.	raC (a)	
	Brought forward	13,42,814	
14	Lahore sewerage scheme, Estimate No. 10; acquisition of land for sectional pumping station near Chota Ravi.	11,689	plable I oliud a bas
15	Lahore sewerage scheme, Estimate No. 11; Construction of southern city and western city trunk sewers and city outfall sewer.	4,33,810	2 Triol
16	Lahore sewerage scheme, Estimate No. 12; branch sewer draining into the main trunk sewer under Abbott Road.	28,921	tedT 4
17	Lahore sewerage scheme, Estimate No. 13; branch sewers in Block No. 1 (Changar Mohalla) Part I City and Central Civil Station area.	33,831	Distr Distr
18	Lahore sewerage scheme, Estimate No. 14; Branch sewers in Blocks Nos. 6, 7 and 8, Part I— City and Central Civil Station area—Part of B—Central Civil Station District and C— Garhi Shahu area.	49,093	Static Static Pump I Labora Pond Pond
19	Lahore sewerage scheme, Estimate No. 15; acquisition of land for main pumping station, rising main, access road, etc. Part No. I—City and Central Civil Station area.	60,276	noda.T V
20	Storm water drainage of Lawrence Road from its crossing with Temple Road to its crossing with Ferozepore Road, Lahore.	10.175	M 1909,000 M podel 8
21	Draining and paving of kuchas in the municipal area, Amritsar—Divisions Nos. 1 and 2.	18,577	Toda I R
22	Draining and paying of kuchas in the municipal area, Amritsar—Divisions Nos. 3 and 4.	22,769	Contra
23	Abohar Mandi drainage extension	38,170	m 122 18
24	Extension of distribution system of water- works at Mian Channu.	18,099	a dimen
25	Rural water supply, Rawalpindi District; Matore village water supply.	21,190	No. V
26	Kot Adu drainage scheme, District Muzaffargarh.  2. Detailed project revised  3. Minor works estimates  4. Maintenance works estimates	sewerage Dranch seve Mayo Bose	74,370
	Carried to Abstract	-	2,87,31

I No.	Name of works.	Estimated	Total.
Serial	dox and our Supres	cost.	
-	CONTRIBUTION WORKS—CONCLD.	Rs.	Rs.
.Indo	(b) PRELIMINARY PROJECT.		atte
	1. Major works estimates.		- 00
1	Renala Khurd Mandi drainage scheme,	27,888	
2	Chuharkana Mandi drainage, relaving inter- cepting and outfall drains and providing fresh disposal works.	16,513	
3	Extension of water supply at Khanewal, Tube-well No. 2.	13,224	T Con de (D)
*	Providing intramural drains in Pirmahal Mand!	13,359	2 00
- 5	Fazilka drainage, improvements to the main	30,089	Pa
-6	sullage outfall drain.	73,126	S Con
.0	Sargodha waterworks extension, proposed 3rd storage tank at headworks.	75,126	EN LE
7	Sargodha water works extension, proposed additional filter beds.	38,955	gu 6 Pro
-8	Extension of distribution system towards Civil Station area at Montgomery.	41,692	act Di
9	Mandi Baha-ud-Din drainage extension	1,63,853	6 Pro
10	Rohtak drainage extension	1,29,638	05
211	Constructing a 15-feet diameter well 25 feet below spring level at Padhrar, District Shahpur.	13,717	
12	Tandlianwala drainage scheme	15,009	5,77,08
3,57	2. Preliminary projects, revised		Nil.
	Carried to Abstract		5,77,068
	ALIAWOH A . (Abstract.		
	Detailed projects		24,78,764
ab.	Preliminary projects		5,77,068
	Carried to Summary		30,55,82
	Summary.		
	Government works		12,93,20
	Contribution works		30,55,82
	GRAND TOTAL -		43,49,033

D. A. HOWELL,
Superintending Engineer,
Public Health Circle, Punjab.

#### STATEMENT "B".

## List of projects perpared by local bodies and examined for technical sanction in the Public Health Circle during the year 1939.

Serial No.	B	Name of works.	Estimated cost.	Total.
		Mandin design economy articles	Rs.	Rs.
		Major works estimates.	therican Ma bile and or	2 Obs
	1	Construction of 10-feet diameter well, 180 feet in depth, in village Kaimbwala, Tehsil Kharar (District Ambala).	the well No.	13 - E
	2	Constructing a well at Bangal village in Pathankot Tehsil.	15,765	E Pro
	3	Constructing a well at Jharoli or (Huller) village in Pathankot Tehsil.	15,525	nos o
	4	Constructing a new settling tank at Chair pumping station, Simla.	19,011	T Sarr
	5	Providing water hand pumps for water-supply scheme in the rural area, Sheikhupura District.	28,675	S Ext
	6	Proposed improvement to water supply, Simla,—laying 4" C. I. D. class main from Barnes Court to Jakhoo reservoir.	14,600	10 Rob
		Minor works estimates	2,57,029	1,06,547 2,57,029
		a general Port of Paristos Spinis	the of a west 15	orth Sile
		Total	rationary pr	3,63,576

D. A. HOWELL,

Superintending Engineer, Public Health Circle, Punjab.

Superintending Engineer,
Public Health Circle, Punjab,

## STATE

Statement showing Waterworks in the

	Barriegie 31132	A D T III F III		
Thy of	会社を報会する	Brown		
Average di population population	Avorany A valuably by a value of the Wales of the Bull Bull Bull Bull Bull Bull Bull Bul	Population	Name of waterworks.	Sectal So.
68				
Gallons.			A-URBAN WATER-	
01 6,123	788143,414	880,11,785	SUPPLY WORKS.	
6-h 17,804			Ambala City 95	
30.2	102,100,000			
0.5 18,401	()5124,313	20,517	Ambala Sadar Bazar	14
3.61 1.08	\$ 100,000 E		Amiritane 220.5	
	080,58	3,201		
8	STA	TEMENT '	C" Inwinds	
	UNJAB FO		PERWORKS IN THE EAR ENDING 1939.	E
8-01 0-0			Chair Thums Th	
. 20		080,1.	(Dalbourie 224.0	
2.2 3,708			Dera Chazi Khan	
1,007	089,62	3,976	Disarmasia Municipal Committee	AL
	1000		Dharmasia Cantonment	
201 986		877.8	Gojra A	
			lea Hhel	17.
01	208, 70,000	7,820	Jamanwala	
	About 50,000		Kalka	
8.0	67,498	11,205	Ehanewal	
	120,000	14,000	dadandX	
			10,240 enodha	
P8197,888				
27-127,340 23-2	982,959		Tyallpur Assauling Montgomery (Flushing Installation).	
15-6	17,597,795	1,125,844	- Tavo Deirrao 0,82.5	

STATE
Statement showing Waterworks in the

			ment showing w	aterworks in the	
Serial No.	Name of waterworks.	Population.	Average daily quantity of water supplied during the year ending ing 31st March, 1939.	Average daily supply per head of population.	
1	2	3	4	5	
1	A-URBAN WATER- SUPPLY WORKS. Abohar	14,035	Gallons. 143,414	Gallons.	
2	Ambala City	35,193	157,988	4.5	
-3	Ambala Civil Station	2,031	61,401	30.2	
-4	Ambala Sadar Bazar	26,517	124,313	4.6	
-5	Amritsar	263,210	4,100,000	15.5	
-6	Arifwala	3,201	85,989	27	
7	Bhalwal	4,153	33,047	8	
8	Bhiwani	35;866	162,600	4.5	
9	Burewala	3,271	ENT SHO	STATE	
10	Campbellpore	7,997	113,000	14.1	
11	Chak Jhumra	4,094	42,066	10.8	
12	Dalhousie	1,030	20,000	20	
13	Dera Ghazi Khan	23,468	180,847	7.7	
14	Dharmsala Municipal	3,976	79,520	20	
5	Committee. Dharmsala Cantonment	2,383		AT-080 - 2,573	
16	Gojra	9,779	100,000	10.2	
17	Isa Khel	7,515			
18	Jaranwala	7,320	70,000	10	
19	Kalka	7,937	About 50,000	6-2	
20	Khanewal	11,205	57,493	6.8	
21	Khushab	14,000	120,000	8	
22	Lahore	500,000	10,000,000	20	
23	Ludhiana	68,586	899,659	13.1	
24 25	Lyallpur Montgomery (Flushing Installation).	42,923 26,154	932,959 63,499	21·74 2·43	
	Carried over -	1,125,844	17,597,795	15-6	

MENT "C".
Punjab for the year ending 31st March, 1939.

auto de la companya d	Maria San San San San San San San San San Sa	RECEIPTS.	raterworks.	7 to onian of N	
Water rate.	Sale of water.	Rent of meter.	Other re-	Total receipts.	
-811 6 187 A.S.	South T BE	8	WORLS.	71199010	
178.1 Rs. 18.8	Of Rs.	Rs. 80.11	Rs.	Rs.	
4,122	327	1,765	9,447	15,661	
17,894	61,401 :80-2	2,081	59	17,953	
1,591 4,681	7,004	20,817	dar Bazar	7,004	
13,401	2,241	163,316	119	15,761	
200 770,1,05	,384 989.58	1,644	5,917	1,12,945	
399	120,88	85		lawindil 497	
3,018 2, 2,108	973 973	.808.78	i i ma	inawida 973	
2,073		437	8	2,518	
3,284	1.91. 000 311	7,007		10 Campbells	
725- 1,47	7,622	400.5	1,069	8,691	
626	20,000 . 20	080.7	477	1,080	
2,421 92	180,847 - 7.7	23,468	6,442	6,442	
2,706	02 244	8,978	Municipal	2,950	
1,307		940	4,157	6,404	
888 -888	100,000 10.2	0,779	-	anob on	
8995	-	188	5	1,188	
BI. F. TER	01 000.07	7,820	- 5,987	18 Jayanwala	
263-	g.a 1,802	7,987 Ab	- 213	1,802	
1,010	136	11,205		awegad 7 136	
1,271 1,18	124,000 - 8	14,000		dadenda 12	
1,16,020-1,14,6	0,000,000, 20	500,000-10		22 Lahope	
8,850 18,40	3,80,395	414	10,240	3,91,049	
27,283	48,959 -31-74	224	2,677	29,984	
57,840	65,499 2.43	1,287	galdant 724	59,351	
172		8	.on).	tallateal 180	
	8 61 . GUT, WALL	1 170,814	01.79X0 bo	6,82,569	

			000	of the phi-	hily of of	18 C".	EXPEN
No.	-	-	Popula-	ge da tity sup ring end Mar	y y latic	sa car so	e different
Serial No.	Name of	waterworks.	tion.	Average d quantity water sul ed durin year end 31st Ma 1939.	Average supply head popula	Establish ment.	Pumping
- 00 - 00	A Acres of	2	1 180	Av qu wg ed 311	Av Br	Est	Pu
1	gien	2 giso	3	4	5	11	12
	SUPPLY	AN WATER. WORKS—	3	Gallons.	Gallons.	Rs.	Rs.
1	Abohar	By.	14,035	143,414	10	3,281	1,671
2	Ambala Ci	ity -	35,193	157,988	4.5	10,164	24,144
3	Ambala C	ivil Station	2,031	61,401	30.2	1,784	2,761
4	Ambala Sa	adar Bazar	26,517	124,313	4.6	1,591	4,631
5	Amritsar	······································	263,210	4,100,000	15.5	23,214	47,043
6	Arifwala	210.5	3,201	85,989	27	1,077	999
7	Bhalwal		4,153	33,047	8	864	1,324
8	Bhiwani		35,866	162,000	4.5	3,018	2,103
9	Burewala		3,271	1866		2,078	00.
10	Campbellp	ore	7,997	113,000	14.1	2,234	
11	Chak Jhu	mra	4,094	42,066	10.3	725	1,475
12	Dalhousie	4774	1,030	20,000	20	85421	0.8
13	Dera Ghaz	ti Khan	23,468	180,847	7.7	2,421	928
14	Dharmsala		3,976	79,520	20	840	2.2
15	Committe	ee. Cantonment	2,383	978	100	1,307	20
16	Gojra	Contonment	9,779	100,000	10.2	928	2,638
17	Isakhel		7,515	779	2000	age 65	8-2
18	Jaranwala		7,320	70,000	- 10	931	1,185
19	Kalka		7,937	About 50,000	6.2	263	10
20	Khanewa		11,205	57,493	6.8	1,010	955
21	Khushab		14,000	120,000	8	1,271	1,189
22	Lahore		500,000	10,000,000	20	1,16,926	1,14,565
23	Ludhiana	0.62,01	68,586	899,659	13.1	3,850	18,469
24	Lyallpur	2,677	42,923	982,959	21.74	12,0 43	5,578
25	025	ery (Flushing	26,154	63,499	2.43	018,70	74
180	-	ied over	1,125,844	17,597,795	15.6	172	

DITUR		10000000						BALANCE.			
Intake.	Settling Tanks and Filters.	Distribu-	Repairs.	Water	Analysis.	Miscellane.		Total Ex- penditure.	Credit Balance.	Debit Balance.	REMARKS.
13	14	15	16	1	17	8 18	1	19	20	21	22
Rs.	Rs.	Rs.	Rs.	F	Rs.	Rs.		Rs.	Rs.	Rs.	
4,682	37,059	619	407		844	3,461		51,180	ght.toru	35,519	
		1,428	431		849.	3,207		40,392	untrail	22,439	
1						150		4,675	2,329	Moletan	27
1,733		1,085	752		40	18,037		27,869		12,108	
11.5		6,610	4,908			383		82,158	30,787	Murra	
1		153				373		2,724	-vanis	2,227	
1		07	47		1	6,263		7,586	tee	6,613	
2,436	220	40	135	1	17	67	3	8,036	Le Divini	5,518	
		1.020						Muraes	0,12	m	Under con-
2.0	-	18	78	3	712.	3,082		5,394	3,297	Okara	struc-
491	24	1,646	24	0	088	3,352		7,737		6,657	Cioni
162			2,071		236	5		2,895	3,547	Panigat	
2.0		1,086	985		885	367		5,787	00:	2,837	
50	120	781	11.		ra.	2		1,791	4,613	Phyllory	
1 200		- 29	.81			9		11	id2L dal	Plast Da	
1		339	447		020	5,424		9,776		8,588	88
17.0		0)	1,600,		78	.57		65	lba	9 65	Water
1,009	1,382	1,372	105		03	26,2		5,987		4,185	supply in sus-
210		87.	2.188 4		88	46		313		177	pen- sion.
27		273	0.03379		87	307		3,068		3,068	
93.	100	. 58	28		35	2,573		5,289		5,289	
1,14,565	or	19,095	30,366		708	7,715		2,70,280	1,20,769	dodlad	
1 .0-1		3,195	0.01227	1	88.	14,202		39,943	1	9,959	
8,856	1,162	10,253	3,676	1	- 02	251	-	41,819	17,532	almič	
1.		1.0	0,73-	-	56			10.	180	10,337	
-8	-		0:0:		80		-	624,764	183,054	125,249	
8-1		0	2.643,80		01	1,692,8		22,102	1000	,	

1	BAKANGE.			Hill	A.	ostga.		.gorrad	
Serial No.	Name of waterworks.			Population.	Average dai	water supplied during the year end ing 31st March, 1939	Average daily supply per head of population.		
21	12 02	er		3 VI		4		5	
	A-URBAN W SUPPLY WOL	RKS-		all all		Gallons.		Gallons.	
	Brought forw			1,125,844	0	17,597,795		15.6	
26	Mian Channu ( Installation).	Flushing		702,84,849 -	0 1	128 431		170 2	
27	Muktsar	010.0	11	14,839	2	159,317		10.6	
28	Multan	008,72		108,351	10	220,687		2.1	
29	Murree Joint Wa	ter Board		878 201	1			in l	
	(i) Murree M Committe	funicipal e.	-	Summer		74,970		G	
(nobal)	(ii) Military Can in the	tonments Murree	1	about 30,000		73,002	1	Variable.	
- 30	Hills.	5,304	1	10,712	1	163,331	1	15.2	
31	Palampur	7,787		860	Gr	avity supply		401 _ 24	
32	Panipat	2,805		32,915	1	170,9		102	
33	Pathankot	Tar.a		9,763		100,500	k	10.3	
34	Phullerwan	197,1.		2,957		-11,700	1	021 04	
35	Pind Dadan Kha	in	15	9,832		43,792		4.3	
36	Pirmahal	9,776		1,520	17	TAN 988		-	
37	Rawalpindi	· 65		75,767		1,506,440		19.9	
-38	Rewari	5,98T	-	26,269		139,110	II.	288 5.3	
39	Rohtak	BIS	-	35,235	OTH	331,937		9.4	
40	Sangla	*800,8**	-	6,478		50,000		7-71	
41	Sargodha	5,289	-	26,761		333,185		12.45	
42	Sialkot	2,70,280		85,893		864,421	.81	10.15	
43	Sillanwali	B19.95.	-	2,583	1 8	30,000	8,	11.6	
44	Simla	018.14		S. 51,729		739,722	10,	Variable	
45	Tandlianwala	T (Floring	08	W. 18,145 6,105	1	57,000		9.3	
46	Toba Tek Singh	100		5,903	177	46,900		7.3	
	Total	124,764	-	1,692,810	-	22,543,809		13.3	

Expus	PE .	RECE	IPTS.	Bazauene	
Water rate.	Sale of water.	Rent of	meter.	Other re-	Total re-
6	7		8	9	10
Rs.	Rs.	Gallons	Rs.	Rs.	Rs.
Re. Bh B	Bs. Ba	Ra. 7 507 7	Be. 110 317 1	Sa carly	682,569
and a street	the to ewant	12000	- 0103	ning (Floridage	2d Misg.Chan
2,960		168,831	7.450	4,944	9,354
2,900 Met 717.8	163	280,68	1,450	4,944	178
	100		15	relaw Mater	20 Married J
120 120,8		1848	1	fegiolos M. 18	
880.1	-	73,00	MARRIA	onstand the	(e) Milita
25,41	17		879	allik equ	26,296
1,618 - 810.1	178	103,53	1000	04	4,211
256	178	(denvity)	4,000	34	4,211
2001	652	1	23,916		SS P. banks
1,991	0.01	patoos	340		2,331
258	8-8 -	1837	9,883		had had 258
			1,620	·	Se Pamaral
018 71 728 0	26001	F.665	1471015	9	ing Front Ly
42,902	1,562	0 7.881	252	12 13	44,716
8,735 - 4,010 ·	1,425	100,780	1,673		3,098
970 1 - ao 14	3,568	50,000	928	20 .3	4,496
8 200 B T 086, V	1 837 st 1	833,15	- 107,02	- ·	1 Secoding
6, 1 83 88, 464	20,055		243	1,263	21,562
1,846,51	30,601	80,000	2,688	298	30,899
94,789	1,54,228	#27.051	15,508	2,200	2,66,72
870,1588	1,721	57,000	301.8	71	1,795
2,941	287		5,003	374	3,60
	18.8		-	Alexand Ded	1,102,51

-		st.	St s s s s s s s s s s s s s s s s s s s	ly pr		EXPEN
Serial No.	Name of waterworks.	Popula- tion.	Average daily quantity of water supplied during the year ending 31st March, 1939.	Average daily supply per head of population.	Establishment.	Pumping.
1	2	3	4	5	11	12
- 00	A-URBAN WATER- SUPPLY WORKS- concld. Brought forward	1,125,844	Gallons.	Gallons.	Rs,	Rs.
26	Mian Channu (Flushing		1.049	-		
27	Installation).	14,839	159,317	10.6	3,130	2,259
28	Multan	108,351	220,687	2.1	3,717	194
29	Murree Joint Water Board comprising—  (i) Murree Municipal Committee.  (ii) Military Cantonment in the Murree Hills.	Summer Population about 39,000.	( 74.970	Variable	13,924	521
30	Okara	10,712	163,331	15.2	1,618	53
. 31	Palampur	860	Gravity supply.		256	-5-2
32	Panipat	32,915	oapp.y.	1.4		-
33	Pathankot	9,763	100,500	10.3	1,993	1,296
34	Phullerwan	2,957	11,700	4	1,161	1,125
35	Pind Dadan Khan	9,832	43,792	4.3	1,422	1,200
36	Pirmahal	1,520			-	**.
37	Rawalpindi	75,767	1,506,440	19.9	14,427	17,610
38	Rewari	26,269	139,110	5.3	5,668	3-9
39	Rohtak	35,235	331,937	9.4	3,795	4,910
40	Sangla	6,478	50,000	7.71	1,498	1,076
41	Sargodha	26,761	333,185	12.45	7,380	9,062
42	Sialkot 804	85,893	864,421	10.15	6,483	33,464
43	Sillanwali 888	2,583	30,000	11.6	1,246	10
44	Simla	S. 51,729	739,722	Variable	71,510	140,284
45	Tandlianwala	W.18,145	57.000	9.3	970	1 500
102	The state of the	6,105	57,000	TELLE.	870	1,588
46	Toba Tek Singh	5,903	46,990	7.9	836	1,534
011	Total	1,692,810	22,543,809	10.0	.	

DITURE	84	1 6 6	546	F2			BALA	NCES.		
Intake obugation	Settling Tanks and Filters.	Distribution.	Repairs.	Water ana- lysis.	Miscellaneous.	Total Expendi.	Credit Balance,	Debit Balance.	REMAI	RES.
13	14	15	16	17	18	19	20	21	22	
Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	ST	
				rward	-	624,764	183,054	125,249	8	
.suoi	Br.		inollai.		-	Re	No.		Under	con-
2,426	1,028	613	1,968		6,032	17,456	eoH soin	8,102	struc	tion.
8	3,347	710	451		412	5,484	det Mian-	5,306	Bure	
379		6	,652	2,755	1,616	25,847	(and Gray bras)	25,847	Ohoi	40
-		477	12,641		5,271	19,422	6,874	(District	Kuld	
			87		229	1,977	2,234	W7 02	Mate	
]			45		24	341	dibniqia.	341	EG)	
S		8	14,67		1,070		doirdald)	khel.	Under	con-
		83	452		1,700	4,016	-mailt soi	1,685	WEER	88
	***				806	3,092		2,834	ilew	
1.0	400	- 8	28,07		1,109	4,131	oloodt A toolo	4,131	Tame	
ioi		-	5.70		800		-Inwasi	solusida)	Tret	
		8,546	6,107		682	*47,374		2,658	*Beside	les Rs.
1 100		1,675	686		12,204	20,213	(District	17,115	37,90	0 has
4,328		244	275	140	423	13,957	niaC' 'S	9,461	been	on
	337	1,145	233	1		4,289	-	4,289	loan	int of for
6,127		120	602	18	10,179	33,488	ct Shah-	11,926	water	
_::_	2,904	4,732	882		400	48,865	doFridi(I)	17,966	Fort	
1,3	63		2,302		290	1995,201	(on	4,772		
5,	516	14,520	85		13,841		20,969	as for vi	Joint schen	
-592	320	250	630		-	4,250	-dad8 a	2,458	1	
2,700	949	859	124		972	7,974		4,372		
		1		1	1	1,137,897	213,131	248,512	-	

l Serial No.	Name of waterworks.  2  B—RURAL WATER-SUPPLY WORKS.	Population.	Arerage daily quantity of water supplied during the year ending 31st March, 1939.	Average daily supply per head of population.
2005	MAN Change (Floring	369	Gallons.	Gallons.
47	Bit Ilaqa (District Hosshiarpur).	30,000	860.1 21	2,428.1,028
48	Burekhel (District Mian- wali).	2,000	12,000	6.
49	Choha (District Shahpur)	2,500	12,500	015.
50	Kulu (District Kangra)	6,000	140,84 77	1-1-1
51	Matore watersupply (District Rawalpindi).	6,000	70	8 - 38-
52	Musakhel (District Mianwali).	7,979	16,575	2
53	Sanwans (District Mian- wali).	2,700	13,860	200 - 1.200 5-
54	Tamman (District Attock)	181.5 4,300 1	26,079	004 6:1
55	Tret (District Rawal- pindi).	300	5,700	19
56	Thal Haqa (District Jhelum).	19,500	58,500	3
57	Vehoa (District Dera Ghazi Khan).	3,089	275 -	785 - a 285.b
58	Warcha (District Shah-	283 88 3,303	40,000	who while
59	pur). Fort Munro (District	500	288   221	14905 400
42	Dera Ghazi Khan).	(approx.)	2,802	1,5 63
60	Joint water-supply scheme for villages of Daiwal, Kurar and Tilokar (District Shah-	8,841 245,758	0.2	88 516 Th
	pur). 888,2	062,0	7.8 018	S 700 3 5740 0
	278 Total	94,171 708,781,1	185,214	2.00

16423	18	I VE	12888	RECEIPTS.	1	1	
Pangalage.	Water rate.	Sale of water,	Separate 1830	Rent of meter.	Other re-	Total re-	Harth 220°
5T	8	7		8	9	10	ī
Re.	Rs.	Rs.	is a solidation	Rs.		Rs.	
	100		-12,100	20,000	(District	Mar and	
		10	.001,21	2,500	Merick States	Discharge (Discharge (	
50	200	9 "	1994	000,8	rater supply travalpined).	Marketon (District	
-	na .	8	098,81	oot,8,		Frawing State	
1,190	008	1.0	010,02	4,800	iointa(E)	Timujan Altock)	
818	1,187	8 -08	6,100	008,21	-lawait dainly	Panelline Panelline	
1		-		8,080	Dettion Dem	muled Car	
-		1.81	000,01	8,808	made dobateki		
		- [		Sod Opproxide G,000	water supply to a village of the villages of the party and the same and the control of the contr	dnitt.	
		0-8	185,214	DCL by	1410)	-	

T		.ergrans	daily of of plied year 31st	ad ad		EXPEN
Serial No.	Name of waterworks.	Population.	Average daily quantity of water supplied during the year ending 31st March, 1939.	Average daily supply per head of population,	Establishment.	Pumping.
1	2	3	4	5	11	12
0/1	B-RURAL WATER- SUPPLY WORKS- CONCLD.		Gallons.	Gallons.	Rs.	Rs.
47	Bit Ilaqa (District Ho-	30,000				
48	shiarpur). Burekhel (District	2,000	12,000	6	100	
49	Mianwali). Choha (District Shah-	2,500	12,500	5		••
50	pur). Kulu (District Kangra)	6,000				
80	Tura (2.5.1	0,000	6101			
51	Matore water supply (District Rawalpindi).	6,000	-	-	"	
52	Musakhel (District Mianwali).	7,979	16,575	2	952	700
53	Sanwans (District Mian- wali).	2,700	13,860	5	90	-
54	Tamman (District Attock).	4,300	26,079	6.1	866	1,190
55	Tret (District Rawal-	300	5,700	19	373	-
56	Thal Ilaqa (District Jhelum).	19,500	58,500	3	1,134	418
57	Vehoa (District Dera Ghazi Khan).	3,089			- "	-
58	Warcha (District Shah- pur).	3,303	40,000	12.1		
59	Fort Munro (District Dera Ghazi Khan).	500 (approx)		-	-	
60	Joint water-supply scheme for villages of Daiwal, Kurar and Tilokar (District Shahpur).	6,000	500	-	-	-
	Total -	94,171	185,214	2.0	-	-

D	DITURE. BALANCE.											
· · · · · · · · · · · · · · · · · · ·	Intake.	Settling Tanks and Filters.	Distribution.	Repairs.	Water analysis.	Miscellaneous.	Total Expendi- ture.	Credit Balance	Debit Balance.	REMARKS,		
1	13	14	15	16	17	18	19	20	21	22		
The same of the sa	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	v		
	-0.00			Emons						Trans.		
-	000,	60	00	500,0		69	169	a (District	169	of Cho Jh		
1	000,0	BE	00	0,002,		000.8	2	olate(I)	da Makta	Scheme not yet taken in hand.		
-										Under con- struction.		
	50	1,20	30	50		224	2,004	alitzio) a	2,004	es Neg		
1	-	-	-			31	121	sletnici)	121	out to		
197		-	100	-		21	2,677	-	2,677	040 27		
	000,0	link.	0	00,000		35	408	pluf(44T)	408	65 Pebe		
	-		-	300	141		1,993		1,998	3		
	-	-	-	-		000,0	-	(District	darit. in	S c h e m e since com- pleted and		
	-	-	-		-	-		plenting)		started in 1939-40.		
	-	-		-	-	-		L. Contract	Roll D	Work treat- ed as Gov-		
	-	-	-	-	-	-	-	(Pa)	mn)	work. Under construction.		
-	-		-		-		1	1				
	000,	3,310		00,000	700	000,	7,372	-	7,375	2		

	SOWALAN			, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
Serial No.	Name of waterworks.	Fair population.	Supply during the year.	Supply during the fair.
Ser	and a discount of	100000	100 100	Series de la constitución de la
1	2	3	4	5
2	10 00	01 81	TT 01 A	10 14
		-	-	
	C—FAIR AREA WATER-SUPPLY SCHEMES.	Ra. Ra.	Gallons.	Gallons.
61	Choa and Katas (District Jhelum).	15,000	500,000	500,000
	and bell to place of	2,000 RES	0.1 . 9 .	
62	Jawala Mukhi (District Kangra).	22,000	1,200,000	250,000
miles v	Share Distance Assessor	g000	1	
63	Nurpur Shahan (District Rawalpindi).	10,000	5,500,000	1,200,000
60	THE PARTY OF THE P	127070 18		
64	Thanesar Fair (District Karnal).	12 10 10 10	001	
65	Pehowa Fair (District Karnal).	20,000	1,400,000	1,400,000
	800.1	0,100	- S00 163	
66	Phalgu Fair (District Karnal).	40,000	2 . 2	-
67	Sakhi Sarwar (District	1000		
ney?	Dera Ghazi Khan).	9,900	000	
of Fad	Pro State Control	in		
68	Baba Farid (Pak- pattan).	B.DEG		=
	Total	107,000	8,600,000	3,350,000

DITTORE	T	REC	EIPTS.	1 2			
Water rate.	Sale of water.	Rent of	meters.	Other re-	me of water	Total re-	b N
6	7	17 18	8	9	31	10	art and a second
er ir		1	8		2		1
Rs.	Rs.	F	s.		FARR A		
Ral Ra.	Gallous	Galleya.	1,0		1,775		
885 259	000,000 8	500,500	16,000	(District	and Estar	Chos	ra
840	05250,0008	000 002,120	000,82	District	in Matchi ogra).		88
_ 287 _	1,200,000	6,800,000	10,000	District	purshiban walpirdi).		80
				Jointal (1)	nesae Pair		
455	000,000,1	000,000	-200,00	Intelet	ma Pale	Keho	85
4			40,000	District	gu Bair (		
	1	-		(Distelet	Sarwar and Charles	Sakh Der	
		-		(natter)	Farid (Pa	Haba	
	-				3,8	6	
4		8,600,000	107,000	14	LaboT		
	-			Public H	atth Circl	2	
	-				1		

4		salers.	on I	115	7 6	Exp
Serial No.	Name of water works.	Fair popula- tion.	Supply during the year.	Supply during the fair.	Establishment.	Pumping.
Seri	01 0	8		T	Est	Pur
1	2	8	4	5	11	12
	C-FAIR AREA WATER-SUPPLY SCHEMES-concld.	.8.		.eft	.83	00
	grade tracks strategy	1 100	Gallons.	Gallons.	Rs.	Rs.
61	Choa and Katas (District Jhelum).	15,000	500,000	500,000	385	259
62	Jawala Mukhi (District Kangra).	22,000	1,200,000	250,000	340	00
68	Nurpur Shahan (District Rawalpindi).	10,000	5,500,000	1,200,000	287	-
64	Thanesar Fair (District Karnal).	. "	-		-	-
65	Pehowa Fair (District Karnal).	20,000	1,400,000	1,400,000	458	00
66	Phalgu Fair (District Karnal).	40,000	00		-	
67	Sakhi Sarwar (District Dera Ghazi Khan).		-			•••
68	Baba Farid (Pakpattan)		-		"	-
	100			-	77.7	-
	Total	107,000	8,600,000	3,350,000		

	DITUR	E.	daine S	in 200	seretati			BAT	ANCE.	
THE REAL CO. I.	Intake.	Settling Tanks and Filters.	Distribution.	Repairs.	Water analysis.	Miscellaneous.	Total Expendi-	Credit Balance	Debit Balance.	Remarks.
	13	14	15	16	17	18	19	20	21	22 22
	A CONTRACTOR	No. Dept. and	A CHARLES	OF SUR	olley gill	or ballets	day to o	and the	edida dal	
	188	A COLOR	the the	Paris Carlo	CONT.	ubbe.	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Popo	ded of	
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
	50	426	278	141	220	(Lat)	1,759		1,759	(I) Blane Dis-
	od novemi	nped sees	72	418	808	162,	864	S,ads P	864	. Bhiwani .
	olusati	ni bec	207	20		261	775		775	
TO O	orene aly aly	d pa	10 A	50,06	000	er.	ima allo // nehttevda allow-schi lanso bos	100193	2,560	No fair during the year.
al al	ty.	the c	a is	7,08	000	8.6	458	038.83	458	- meatt
						-	form willow thyseintensity to be welle.	704.8	1 -1	Under con- struction.
	no do	рекоді	0	88,00	000	88	oatite.	368,01	920	Ditto.
	.old	a .	10	20,00	000		oms alle le	7,465	99	- Tohuna
	to lo	potoque to to					3,856	4,037	3,856	abaldbutt .liudhlada
	1000	peeog	p. 0	10,01	000,	02	staw latte dorest in	4,045	100	Mandi.

D. A. HOWELL,
Superintending Engineer,
Public Health Circle, Punjab.

STATE
Statement of Punjah Drainage Works

				State	ment of z	unjan Drainage Works
	Janes	printe	Cheng	GENERA	L.	DE LEGIS
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sul- lage or sewage.
	1.	2	8	8E 4 .08	5	Ra 6 Ra. Ra
(1) Hissar Dis-	Acres.	-	692.1	Gallons.	Gallons.	co ngs on Br
1. Bhiwani	640	35,866	Piped water supply bas- ed on fil- tered canal	162,600	130,000	Pumped to two- sewage farms and disposed of by broad irrigation.
100		The contract of	water and wells.	102,200		
2. Hissar	2,560	25,179	Wells and abyssinian tube-wells and canal water.	75,000	50,000	Partly removed by sullage earts and partly flows into the canal which runs close to the city.
3. Hansi	480	18,356	Wells	55,000	36,712	Disposed on land outside the town.
4. Fatehabad	-	2,497	Wells and abyssinian tube-wells.			
5. Sirsa	926	16,855	Ditto	66,000	38,000	Disposed of on land.
6. Tohana	99	7,463	Wells and hand pumps.	30,000	20,000	Ditto.
7. Budhlada	3,858	4,037	Tube-wells and wells.			Disposed of outside the town by sul- lage carts.
8. Dabwali Mandi.	100	4,044	Canal water stored in brick-lined tanks.	20,000	10,000	Disposed of into depressions.
9. Jakhal	14	750	Wells and hand pumps.		1	-
10. Kalanwali	13	1,157	Canal water	4,000	2,000	

MENT "D".

for the year ending 31st March, 1939.

tion (in	185	Exp	ENDITUR)	E.	1 5	TIE	REC	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxa-tion or other sources in connection with drainage.	REMARKS.
7	1	2	3	4	5	6	1	2 A	(2) Rohte District
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	f. Bobtak
44					no beard	d	150		
spaller odd ei	noved by	1000 Eng	12 00		malwate td wells temp temp	ta log egg	E1 85		2. Thajjar
apored depres	3,360	4,037	8 00	12.0	hoted haw inco all sw ba	no on on on on on on on on on on on on o	34 7		Drainage arrange- ment de- fective.
	'tin	1,000	1 00		lis	W as			
into	6,501	1,451	2 00	25,0	ella sera	2,026	118 0		Drainage arrange- ment de-
aib be	earts an				aka			100	fective.
	7,841	2,738	100	40.0	= ell	80 W	16,1		Drainage
.:	827	84	00	181.		347	33		arrange- ment de- fective.
		2,252	001	18,0	dis and	W 588	a . 98		
boel n	360	Display	00 01	139,1	od water pply has		20,2		S. Howari
	355	DIO 00 DI	7 000	180,0	lation alls and alls and	W 708	01 03		dec Palwai
enso es	i bedoot	0,000 Col	1 000		alla	W 881	1,560		

		-			GENERAL.		ok ahe yene ending 31
Name of mu cipality or local body.		Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	Paris de	841	2	3	4	5	16 16
(2) Robtak District.		Acres.		5 6	Gallons.	Gallons.	1 7
1. Rohtak		of ed	35,235	Piped water- supply based on filtered canal water	331,937	200,000	Broad irrigation or sewage farm.
Drainage		158	12,232	and wells. Scheme based on filtered canal water	30,000	25,000	Removed by sullag carts outside the town and disposed of on land.
8. Beri		134	7,880	and wells. Wells	12,000	8,000	Thrown into depressions outside the
4. Gohana		69	5,045	Wells	20,000	13,000	
5. Bahadur	-	118	6,963	Wells	35,000	25,000	Discharged into
6- Mehm		177	9,079	Wells and tanks.	20,000	10,000	sto m water drains Removed by mean of carts and dis posed of on land.
7. Sonepat (3) Gurgao		803	15,050	Wells	40,000	30,000	Drains are flushe out of the town.
1. Farrukh- nagar.		654	4,894	Wells	16,000	9,000	100.
2. Sohna		89	5,667	Wells and springs.	16,000	9,000	STEEL TO STATE OF
3. Rewari		763	26,269	Piped water supply bas- ed on per- colation wells.	139,110	90.000	Disposed of on land
4. Palwal		150	10,807	Wells and canal.	180,000	70,000	Disposed of on land outside the town.
5. Hodal	••	66	7,258	Wells	18,000	10,000	Collected in cess pools, removed by carts outside the town and disposed of on land.

y (in		EXPI	ENDITUR	E. HEND			RECE	IPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e. intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	#1	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	District
duo n	14,784	8,570	1,272	9.93.	ndi	195	6,000	1- 5	de prosper
oarts	eved by	.000 Rem	1. 00	0.88	1	08 T	7,	- 300	7. Hideyan Ohbay rayong 0.1
	3,899	- 000.	01	12.0		04 100	E		8. Nub
	-	- 000	8. 0	0.0		48 D	4.5 10		nlatell .
ullage sposed	2,165	000 Rem	-	19,00			,b , 62	80	No drain
	1,534			01.01	144	01 10	106	line	Parking
	5,779			-				1	No prop
ito no	dagber b	un 28.5000	100.0	1,00,00	Itan al	10 77 .15	38 13		actall .
	age farm	300		0 25	03310		\$1	1100	No drai
no no		000. Broad	18 . 0	120,00	nilate			1	Drainag very de fective.
also also	5,36	2 00		4,010		OS WILL	-		Dit to.
		19 00	-		-	-		-	No drain

			G	ENERAL.	EXPEND	A City
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
6	1	2	3	4	5 8	16
(3) Gurgaon District—	Acres.	E A	II. all	Gallons.	Gallons.	Acres. Rs.
6. Firozpur- Jhirka.	1,054	5,390	Wells	10,000	5,000	Disposed of on out- skir's of town.
7. Hidayatpur- Chhaoni.		7,208	ро	28,000	14,000	Removed by carts and disposed of on
8. Nuh		3,404	Do	12,000	6,000	land.
9. Hathin	61	2,948	Do	6,000	3,000	2062 obtails
10. Ballabgarh	359	4,162	Do	10,000	5,000	Removed by sullage carts and disposed of on land near the town.
11 Faridabad	193	5,134	Do	16,000	8,000	Ditto.
(4) Karnal District.		16,	ao Welia	- 40,	723 00	Design Are fluid
1. Karnal	741	25,871	Wells and handpumps.	100,000	60,000	Broad irrigation on sewage farm.
2. Karnal Civil Station.		1,239	Ditto	7,000	4,000	000
3. Panipat	261	32,915	Tube-wells	120,000	80,000	Broad irrigation on land adjacent to the town
4. Kaithal	496	18,709	Wells	and 180	000 10	Disposed of into de- pressions and also on land near the
5. Kaithal Mandi.	65	709	Do	4,000	2,000	town.

(in			Ext	PENDITU	RE.			RECE	IPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	of repairs and one both inside	drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	0 1		2	3	4	5	6	1	2	
Acres.	Rs.	1	Rs.	Rs	Rs.	Rs.	Rs.	Rs.	Rs.	(4) Karms trict-co
bael a	to lesogr	g	0,000	.000		. pl	10 17 100	081	be	No drain age.
-	on alone		000,0	000		Esta B	Tayy ba	ir		No prope drainage
OUTDO	atdage so	10	181	000	201	aquing h	68	60 0.0		Ditto.
	Ditto.		3,000	000		osti				los Raday
			-						i f	No prope drainag
	143	Ble	000,0	1 38	rist.	d water	die il	820		L Amb
na land	to berog	Die	000,000	h sis	1242	_ ellow-e	110000	63 24,6	9 10	2. Ambre Sade
11.24	12,798		1,450	783		39	1 88	1,60	1 41	
	odili 4,1			-	-			1		No drain
	-9,670	4	000,8	.000	18		15	3	1	Drainage
mi.	boguedq	10 1	000/	00	25,0		.00 08	31 1.7		very d
	516	240	0 10	13 000	24.0		64 00	22 8,7	t   1	6. Rupar

				GENERAL.			E IOING
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and meth of disposal of sullage or sewa	- 2
8	1	2	3	4	5 9	6	
(4) Karnal Dis- trict—concld.	Acres.	83	Ba	Gallons.	Gallons.	ast as	Acre
6. Shahsbad	05 . 6	12,293	Wells	40,000	20,000	Disposed of on	land.
7. Thanesar	1,280	5,032	Do	20,000	10,000	Ditto.	
8. Ladwa	71	3,154	Wells and hand pumps.		-	There is no effe drainage sche	
9. Pundri	59	6,053	Ditto	20,000	12,000	Ditto.	
10. Radaur	-	2,904	Ditto	12,000	8,000	Ditto.	
(5) Am bala District.				,000			
1. Ambala City.	960	35,193	Piped water supply bas- ed on wells	157,988	120,000	Broad irrigation sewage farm.	n on
2. Ambala Saddar Bazar.	262	26,517	Tube-wells	124,313	100,000	Disposed of on	land.
3. Jagadhri	- 100	13,268	Wells	65,000	50,000	Ditto.	
4. Buria	100	3,494	Do	13,000	8,000	070.0-	
5. Sadhaura.	621	7,769	Do	25,000	14,000	Discharged municipal nullah.	into
6. Rupar	122	8,764	Do	24,000	13,000	Broad irrigati end of sewag	

or		Expi	ENDITUR	E			RECE	IPTS.	
Area under cultivation application of sullage sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of li'ting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	-1	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(5) Ambala (5) Arrice—con
the the sed on the the	2,177 952	181	00 00	0.60 0.61	para viore and service and service and	67	8.4 08		Drain a g very de fective. No drain age.
Dani n	1,233	Disc.	10		od water	1 · Pr	2		Ditto.
10	15,834	100	1,967	7.687	d water	53		5	Simla
- 011	23,267	1,636	01	8,00	olitio olitio		12	5	Kasompii Dagska Cantes ment
22.5		627			377		83,1	6	Sabath
-	1,681	534		00.08	pane 1	7			Kangra District. Dharmal
9.01	ides.	at Ref		00,38:	oly.	0 10	42	1	7 ATRIANT

				GENERAL	HXPHN	
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullag or sewage.
8	1	2	3	4	5	6
(5) Ambala Dis- trict—concld.	Acres.	,01	Has.	Gallons.	Gallons.	leres. Ha.
7. Kalka -	705	7,937	Piped water supply and	50,000	35,000	Discharged int
8. Kharar	1,080	4,854	springs. Wells	12,000	7,000	town. Sullage is passed o to land near th town.
Babyal	48	4,129	Wells and hand pumps.	12,000	7,000	Discharged on t
10. Amb ala Civil Station.	-	2,031	Piped water supply.	61,401	3,01	Disposed of on lan adjacent to the town.
(6) Simla Dis- trict-						
I. Simla	2,720	8. 52,400 W. 21,000	Piped water supply.	739,722	500,000	Runs into septi tanks about 5 mile from Simla an discharged int streams.
2. Kasumpti	49	418	Ditto	8,000	5,000	Ditto.
3. Dagshai	826	1,469	Ditto	22,319	18,000	Discharged into nullah.
ment.	961	1 207	8 7760		129	Discharged int
Canton- ment.	261	1,327	oá Da	1 30	90 00	Discharged int
7) Kangra Dis- trict.		21 73	80 Do.	10.0	200	1807
1. Dharmsala	2,881	3,976	Piped water supply.	80,000	50,000	Discharged on thillsides.
2. Kangra	448	3,527	Wells and springs.	28,000	22,400	Discharged in nulla by gravity.

(in		E	XPENDIT	URE.			REC	EIPTS.	T
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repars and renewals to drains both it side and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with dramage.	REMARKS.
7	81	2 8	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(7) Kangra
al Selvan	4,058	63	-500	02 - E	na Ha	T sor	201	:: -	3. Nurpu
inti anala	1,408 270	85	-008	2 - 75	ped,wate	sec p	76	-400	No drain- age.
-	-				Jagaing	-	-	and	(8) Foshin
io nois	ond irriga	200020	1001	207	ells	7 320.	814 25	sogs	ddaoH .1.
	46,656	15,559	.000	. 12		452	85. 3	alow	2. Gorbd
outsid	bogrados to town.	000.0	000	. 16	7.00	888	358 8		4. Moher
-	1,240 3,197	15,000.	000	32 .	100	195	986	1 1	S. Misol
outsid	3,310	727	.000		nug be		6	1,400	6. DARLY
Listuo d n	schutged to tow weepers.	3	000	16	ells_	808	36.	1+-	7. Una
-	3,017	749	-900	12		018.	HIL	-mg	8. Annu
-	1,179	0051	-000	01	:00	1,237	-678	27100	0. Kham

General.  daily of sul- sed of	an) (as
daily upply gal-	sup)
Total inhabited area (in acres)  Rource of water supply.  Source of water supply.  Approximate average daily quantity of water supply of water supply of supply of supply of supply of supply of supply of supply (in gallons.)  Approximate quantity of supply of supply (in gallons.)	f sullage
1 2 3 4 5 6	7
(7) Kangra District—concld. Acres. Gallons. Gallons.	Acres
3. Nurpur 110 3,766 Tanks and wells fed by rains. 20,000 10,000 Discharged nullah by g	in ravity.
4. Palampur  40 860 Piped water su p p l y based on springs.  (8) Poshiarpur District.  Drained natural characters.	into nnels.
1. Hoshiarpur 1,814 25,925 Wells 207,400 40,000 Broad irrigat sewage farm	tion on
2. Garhdiwala 35 3,452 Do 12,000 6,000	
8. Hariana 5,971 Do 23,000 14,000	los los
4. Mukerian 359 3,889 Do 16,000 10,000 Discharged the town.	outside
5. Miani 226 5,125 Do 25,000 15,000 Ditto.	
6. Dasuya 90 7,562 Wells and hand pumps. 50,000 30,000 Discharged the town by of drains.	outside means
7. Una - 4,398 Wells 16,000 10,000 Discharged the town sweepers.	outside by
8. Anandpur 137 3,610 Do 12,000 6,000	to
9. Khanpur 82 2,846 Do 10,000 5,000	5

ica-		Ex	PENDIT	JRE.			REC	EIPTS.		
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.	
7	8 1	2 0	3	4	5	6	1	2		
Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	R	Rs.	(B) Hosbian	
abis/p	1,392	86	.000	22	alls, and	K61 W	71. 8	-ned	concide 10. Garb	
of at	760 begand	319	_000	12	elle	109	2 88			
		000,8	000		alls and	081	8	Jas.	12. Sham Chau	
11	12,458	2,933	.000,	08	one glis	510 7	4,405			
"								+	(9) Jullun Distric	
ibu on	opemple dirigati wase fair	0.5	2 ,000,		ma elleli wallow named ba		NT 1088	educ 3		
	ead irriga svage fari				na ellev	385	1 000	- noi	2. Juliu Can	
n tine	1,949	3	000,0	3 8	na . sifeV	N .STR	8			
Inte	1,285	20,000 D	000,0	88	siloV	7 388	25	inte		
10 30	aposed aposed on ontai	000,16	000,0	1.0	Vells an	ngs v	74 8	ana		
til	569	183	-000	-	other		421	Ladali	o Nu	
	ho town.		000,0	-	- ellev	7 888	861	ingle		

	Tusons			GENERAL.	Extras	H. Hatel
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water sup. ly.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
-	1	2	3	4	5	. 16. 7
(8) Hoshiarpur District— concld.	Acres.	3 -5	Re. T	Gallons.	Gallons.	Acres Re.
10. Garh shan- kar.	71	5,561	Wells and hand pumps.	22,000	15,000	Discharged outside the town
11. Jaijon	36	2,405	Wells	12,000	8,000	Discharged into nullah outside the town.
12. Sham Chaurasi.	200	3,186	Wells and abyssinian tube-wells.	12,000	8,000	
13. Urmar Tanda.	474	9,510	Wells and hand pumps.	30,000	20,000	- Constant
(9) Jullundur District.						
1. Jullundur	3,680	74,295	Wells and shallow hand pumps.	280,000	200,000	By pumping plant for irrigation on sewage farm.
2. Jullundur Canton- ment,	3,769	14,735	Wells and tube-wells.	Luideo	1000	Broad irrigation on sewage farm.
3. Kartarpur	.00	9,878	Wells and hand pumps.	30,000	20,000	Discharged outside the town in the fields and ponds.
4. Nakodar	26.	9,584	Wells	30,000	20,000	Discharged into ponds and depres-
5. Phillaur	74	5,168	Wells and hand pumps.	20,000	14,000	sions. Disposed of on land outside the
6. Nur Mahal	1,421	7,079	Ditto	28,000	20,000	town.  Discharged into depressions outside
7. Alawalpur	1,861	4,835	Wells	15,000	9,000	the town.

y (in		E	XPENDE	TURE.			RECI	EIPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of draius, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e. intramural drains and disrosal works flushing installation.	Cost of lifting or pumping sullage or sew ge.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS,
7	10	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(9) Inllundur District concid.
obiac	1,358	445	18,0	100,42		43	01,5 <b>-</b>	ee //	S. Nowsball
abia	476	60	-	35,049	bas	inew	-		). Banga
-khos	own (a p	the		-	agmo	bead	-	-	District
400	2,800	43		-	w.Ler-	Pipe	-		Lodhlana
-	Dixto	282 00	0.00	105,629	had	How.	801,72	818	Jagrapa
60	3,600	23,699	6,335			SE-	17,376		
8.38	8,280	pami	30		600		750		Haskos
brial	rd to be	sg Disp	41,	62,44	1	ena :	0,646		Khanno
the	2,765	198			-	-		202	
oblish	no begun	00 Disc.	5,0	10,000		ata	2,535	-	Saurala .
basi anoli	1,744	ou yd ou	120,0	8,0,8	allow-	Tube	30,287	der -	Dismist. Ferosepore Cantonnes
ao adi-	140	100 Broad	12.	140,000		Ditte	188,48	2,347	H'eronepare

	arere.	Brech		GENERAL	Expension	al) Y
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of isposal of sillage or sewag.
	8 1	12	8 3 3	14	8 5	2 610 7
(9) Jullundur District— concld.	Acres.	Raff	Re. Re.	Gallons.	Gallons.	Acres, Rs. Rs.
8. Nowshahra 9. Rahon	- 996 160	7,158 6,692	Wells Do	25,000 24,000	18,000 16,000	Discharged outside
10. Banga	30	5,840	Wells and hand pumps.	35,040	2,500	Discharged outside the town in ponds.
(10) Ludhiana District.		-	- Oraca	. 124	1	
1. Ludhiana	4 44	69,262	Piped water- supply.		- Es	Broad irrigation on land.
2. Jagraon	646	27,108	Wells and hand pumps.	105,620	60,000	Ditto -
8. Raekot	220	11,810	Ditto	45,000	25,000	Sullage disposed of into ponds by means of drains.
4. Khanna	16	6,555	Ditto	52,440	41,952	Disposed of by land treatment and into ponds outside the town.
5. Samrala  (11) Ferozepore District.		2,535	Ditto	10,000	5,000	Discharged outside the town.
1. Ferozepore Cantonment.	155	30,297	Tube-wells and hand pumps.	242,376	120,000	Disposed of on land by broad irrigation.
2. Ferozepore	2,257	34,337	Ditto	140,000	100,000	Broad irrigation on land outside the town.

ica-		E	XPENDITU	RE.			REC	EIPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disnosal works	flushing installation.  Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	1	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(11) Ferozep District— conoid.
oblista	1,872	elCl 48	70.01 0	20,00	d pump	18 We	45	1	S. Zira
tol 12h		is Pur	84.64	103,98	. ożżi	SI D	122	EQE	4. Moga
ion on to land on by	2,548 begand	for	2 52.00	128,08	ed water	89 Pig	88 14,8	200 2	o be Muktas
for ion and des in	ad irigathand irigat	brd th	0,881 6	18,89				1,5	. C. Farilla
00 60	9,308	1,28	2	1	od water opply sed on oalwater	d	798	50	7. Abehar
	2,665			25,00	pas alls ad pump and water	33	.8 118	.015	Mark Mark
td 4	3,230	1,72		. 5,q	166	W70 W		1810	to. O n r
.mwod	tside the	tro .	0.41, 0	19.00	nd pump	179 Ha	872 0,		call o Dhara
	453	4.7	20.81 0	25,00	. ott		S1 8-9	88 - bas	istalet .St
		13						-20	(12) Lahore Distri
25.32	20,573	nda 3,73	0, 1450 105	10,000,00	500 71 q q q 10 bee	e 60 Fig be w to	1,075	,ar	e Lerbaliere

	ROBERS	AT		GENERAL.	EXPENDE	and
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	1	2	3	4	5	6
(11) Ferozepore District— concld.	Acres.	91 3	H MI GUE	Gallons.	Gallons.	Acres Rs
3. Zira	113	5,318	Wells and hand pumps.	20,000	10,000	Disposed of outside the town.
4. Moga	1,280	17,581	Ditto	105,035	84,645	Pumped out for broad irrigation on
5. Muktsar	369	14,839	Piped water supply based on canalwater.	128,032	52,000	sewage farm. Discharged to land for irrigation by gravity.
6. Fazilka	1,280	18,463	Abyssinian tube wells.	92,315	135,000	Three-fourths for broad irrigation and the rest dries in
7. Abohar	103	14,035	Piped water supply based on	148,414	80,000	depressions. Broad irrigation on sewage farm.
8. Buchu Market.	16	562	Wells and hand pumps.	25,000	15,000	No proper drainage
9. Gid d a r- baha.	211	3,686	Canal water	15,000	8,000	pends by
10. Guru- harsahai.	25	1,470	Wells and hand pumps.	5,000	3,000	Removed by means of carts
11. Dharam- kot.	272	6,779	Hand pumps and wells.	19,000	14,000	outside the town.  Discharged outside the town.
12. Jalalabad	255.3	7,703	Ditto	25,000	18,000	463
(12) Lahore District.					450	097
1. Lahore	1000	500,000	Piped water s u p p l y based on wells and tube-wells.	10,000,000	8,001,500	By broad irriga- tion on land and also stagnates in streets of new areas where drains are not provided.

any		Е	XPENDI	rure.			REC	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sulage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	1	2	3	4	5	6	2 1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	12) Labore Distric
no ne	d trigittle	979E	008. 0	500,00	d weter	me Par	8,95 - 89,6	an- 2,0	3. Lahore C
12.68	16,877	6,320	1,331	180,00	allow-so	tud tud	220	ed bu	S. Kasser
5	7,267	ado 336	21 0	25,00	for M	mad l	296		Drainage very de- fective.
10	15,365	4,037	18. 5	45.3	598	644	658 es		Ditto.
osl7 egani idosi	10,721		1,204	10,00	776	1,631	460		6. Patti
band	435	000 Disc	08 0	45,00	odd	ia   50	Ker -	- n -mu	No drain- age. Ditto.
	.11	doo Bros			ot:	id si	ó;a 00	0.1	8. Ichbru
philip		129	01 0	1.00,00	od:	43	25	in del	No propez draiueza
osmi "	b ban ab		010	20.00	· · · · ·	91 <sub>0</sub>	0.0 00	gh · I	10. Sur 311
672·80	2,79,021	18,007	37,258	12,00	podicy Lan	5,56,898	14,495	3,60,000	Drainage very de fective.
		vot 0000	or o		- ods	65 D	7.6		13, Padhar

	STREET			GENERAL	Excesses	VIII.
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in galions).	Means and methods of disposal of sullage or sewage.
	1	2	3 3 8	<b>4</b> 4	8 5 4	6 6 7
12) Lahore District— concld.	Acres.	Tea	Rs. Rs	Gallons.	Gallons.	Acres. Re. Re
2. Lahore Can- tonment.	2,092	29,672	Piped water supply based on	500,000	360,000	Broad irrigation on sewage farm and in compounds of
8. Kasur	1,920	46,815	tube-wells Wells and hand pumps.	180,000	150,000	gardens.  Discharged into natural drainage channel and land
4. Khem Karan.	117	6,898	Wells and tube-wells.	25,000	18,000	treatment.
5. Chunian	960	8,269	Wells	41,345	31,400	Disposed of by broad irrigation on land.
6. Patti	153	12,882	Wells and hand pumps.	40,000	30,000	Discharged into natural drainage channel (Rohi nullah) passing by
7. Baghban- pura-cum- Bhogiwal.		13,805	Ditto	45,000	30,000	the town. Discharged to land and also into nullah direct.
3. Ichhra	1,600	5,048	Ditto	24,000	18,000	Broad irrigation on
9. Kot Rai Buta Mal.	320	4,066	Ditto	16,000	10,000	land. Discharged outside the town.
0. Sur Singh	100	6,092	Wells	20,000	13,000	Discharged into ponds and depres-
1. Pattoki	211	8,016	Wells and canal water.	44,500	30,000	sions. Broad irrigation on land.
2. Khudian	51	8,184	Wells and hand pumps.	12,000	7,000	Discharged into ditches and low land outside the town.
13. Padhana		4,765	Ditto ↔	16,000	10,000	are not provided

(in		H	XPENDI	TURE.	)		REC	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water,	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous in- come due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	1	2	3	4	5	6	1	2	
Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	13) Amritan Distric
55-30	658	876	190	4,100,0	p p-1 y sed on	10 Pip	2,530	0,5	rashmak and
25	21,024	4,080	0 40	10,73,08	sq. wells, ls · and d pumps	lut lo W•• 88 bass	7,820	s al	Drainage very de- fective.
into into	4,463	402	0 .10	16,00		180	160	a car	Drainage scheme failed.
no no	5,642	1,016	0 12	0 83		234	a,a a	80	Winning .
·nib	d irrigit;	lan	00 20	25,0	fir and	ow 90	7.8 0	1	additan .
1	3,525	50					21	-1	14) Gurdany District
bani 5	768		165	. so oo		uid bin	45	9	Gurdanp
bire a	or channe	tab .			sed on	nd oa		"	
oda ba	9,079	Anna II	00, 19	18,0	admind p	ned bl	1.0 . 85	0 183	Bina Na
bual y	1,240	223	001.00	140,0		od She	133		l. Batala
bont		tos 1000 Disp	00 . 19	18,0		76 We	1,5 01	. 40	i. Dera Ba Nanak

			G	ENERAL.		aroin,
Name of municipality or local body.	Total inhabited area (in acres).	Population,	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of suliage or sewage.
	1	2	9 3	4	5	6
(13) Amritsar District.	Acres.	a l	general R	Gallons.	Gallons.	Acres Ra. II
1. Amritsar	6,099	263,210	Piped water supply based on wells and	4,100,000	3,240,000	Broad irrigation on sewage farm.
2. Jandiala Guru.	774	8,888	tube-wells. Wells and hand pumps	45,000	40,000	Ditto
8. Tarn Taran	809	10,103	Ditto	40,000	25,000	Disposed of in fields by means of
4. Ramdas	43	4,904	Percolation wells.	16,000	10,000	jhallar. Discharged into ponds and also broad irrigation on land.
5. Sultanwind	56	5,572	Wells	18,000	12,000	10.042 Aug 11
6. Majitha	10	6,709	Wells and hand pumps.	25,000	20,000	Broad irrigation on land and also dis- charged into
(14) Gurdaspur District.	11.49	S PA	- 1114	00-1 1-0	100 1000	nullah.
1. Gurdaspur	2,158	11,116	Wells	50,000	36,000	Discharged on land
2. Dalhousie	514	1,030	Piped water supply based on	20,000	14,000	Discharged into- water-courses and canal channels.
3. Dina Nagar	623	5,114	catchment. Wells and hand pumps.	18,000	12,000	Some of it is sold for- cultivation and the rest is discharged into ponds and
4. Batala	1,080	33,204	Shallow wells.	140,000	100,000	depressions.  Discharged on land and into depressions round the town.
5. Dera Baba Nanak.	66	5,176	Wells and hand pumps	18,000	12,000	Disposed of on land outside the town.

(in		Ex	PENDIT	RE.			RECE	HPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the unkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operations of sewage iarm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to dir.ct or indirect taxation or other sources in connection with drainage.	Rewarks.
7	1	2	3	4	5	6	1	2	
Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rg.	sbxo2 (bl)
1,156	2,09,992	in ood	16,028	.88.	14,663	383	51,003	Host	Drainage very de fective.
5	2,309	50	00	1,963	elle	W 781	100	-bn	7. Srigob pur.
otal	6,653	da . bod	00		an well	77, -08	40	(1)1	visoria :0
ab ab	659	75	1 00	-	· · ·	78	0 88	dan	0. Fatch
		000,	00	, E1-	ate wells	00 Pri	2	1 .	derak di
1 40	1,960	250	2 00	80.0	fina sil		07 08		daine .s.
off3	bletno b	no.			d pumps		128		
olof	9,235 8,262	CKSY 1.000	51 00	11.	ed water oply from	0.00=		6,442	S. Baklon Canto ment
					avity			Dis-	15) Sinileo I
no as	3,895	000- Er	1 0 00	884,8	ed water	8	340		Sialkot C
10	10 D080	8,407	00 00	00,08-	on tube- ils and lis and be-wells.	13,952	113	32	Stalkor Cantor ment
otili	2,018	37			line ul	18 W -80	12.0		

			(	BENERAL.		(i) (ii) Option
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullarge or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
2	1 1	2	3	4	5	6
(14) Gurdaspur District—	Acres.	.0.	Rs. I	Gallons.	Gallons.	Acres - Rs.
6. Pathankot	934	9,768	Piped water supply bas- ed on wells.	83,943	70,000	Discharged into a nullah.
7. Srigobind- pur.	001	3,737	Wells	15,000	10,000	6 5,860
8. Sujanpur	75	4,605	Do	15,000	10,000	Discharged on land.
9. Dhariwal	.01	4,186	Wells and hand pumps.	16,000	12,000	Discharged into water-courses and canal channels.
10. Fatehgarh	58	6,457		22,000	15,000	Discharged on land outside the
11. Narot Jaimal Singh.	. 66 e80	2,496	Private wells	12,000	6,000	town.
12. Qadian	150	7,018	Wells and hand pumps.	30,000	20,000	Discharged on land outside the town.
18. Bakloh Canton- ment.	150	3,239	Piped water supply from springs by gravity.	14,000	12,000	Discharged into khads.
(15) Sialkot Dis- trict.	840	1,134	batchment	18,000	SPP	Swang in the sold to
1. Sialkot City	1,490	97,160	Piped water supply bas- ed on tube- wells.	864,421	640,000	Broad irrigation on sewage farm.
2. Sialkot Canton- ment.	576	15,851	Wells and tube-wells.	80,000	60,000	Disposed of on land.
3. Pasrur	62	7,905	Wells and hand pumps.	24,000	16,000	Discharged into depressions outside the town.

by age,			Exp	ENDI	TUI	E. 10	N. T.					RECI	EIPTS.	
Area under cultivation by application of sullage or swage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	and r	drains and disposal works flushing installation.	Cost of lifting or pumping sul-	lage or sewage.	Cost of operation of sewage farm.		Cost of lifting or pumping flush water.	Cost of other missellements	S. S.	Sale-proceeds received in rea.	pect of sullage or sewage or of crops.	Any other mi cellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS
7	81	- 2	2 8		3	4		5		6 9		1	2	
Acres.	Rs.	1	Rs,	Rs	. ac	Rs.		Rs.	F	Rs.	]	Rs.	Rs. 10	(15) Siali District
	6,875		453	2	000		1	na alfa	44	095	T	7	g	concid.
							100	ad pum	ad .					
tat	1,872	Dia	440	2	00	82,0		otti	T.	888	8,			Daska
	5,878		748	и	00	16,		0.000	a ·	1220	4	1.5	3,864	Jamke .
	1,479		000.	i i	00	16,0		otti	a i	801		336	34	Zaforw.
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nai ox	bearing .		000.0	1	880	16,0		073		700		198	al al	No prop
nrong	1,591	Dis	590	11	00	16,		. · · · · ·	I.	800		198		
	1,424		255											
	-,		000,8	1	004	18,		.,		201		88		I. Bhope
int	Degrado	aa l	1,650	1	325	.51		na alle		244			ala	2. Sahow
00	57,007		,747	3,8	33		·B1	ad pum	7,5	257	3,	440	759	
7.18			000,8	1	000	nd,		ells	77	611	8	58	aba	Ewado e
**			000,8		000	12.	-		3	958			alay	4.º Kilası
	2,308	-	267	1	094	.013	-	onelle	97	:088		34.	Lila	

	terescent.	10		GENERAL	бивалиј	vike
Name of municipality or local body.	Total inhabited area (in acres).  Population.		Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or reware disposed of daily (in gallous).	Means and method of disposal of subag or sewage.
2	1	2	3	4 8	5	16 7
(15) Sialkot District— concld.	Acres.	S. 33	Rs. II	Gallons.	Gallons.	Acros. Rs.
4. Narowal	2,600	7,095	Wells and hand pumps.	30,000	20,000	collan.
5. Daska		8,636	Ditto	32,000	24,000	Discharged int
6. Jamke	8 7	4,022	Ditto	16,000	12,000	378.4
7. Zafarwal	25	4,102	Ditto	16,000	12,000	omal chardely.
8. Sambrial	37	3,827	Ditto	16,000	12,000	and onto do ti
9. Begowala	34	3,697	Ditto	16,000	10,000	Discharged on land outside the town.
10. Mitran- wali.	35	3,762	Ditto	16,000	12,000	Disposed of through a contractor.
11. Bhopal- wala.	33	4,291	PLOOD Wales	16,000	12,000	hatin link
12. Sahowala	27	3,244	Wells and hand pumps.	16,225	11,550	Discharged intadjacent nullah.
13. Chawinda	59	6,411	Wells	24,000	18,000	Paris financia
14. Kalaswala		2,953	Do	12,000	8,000	Deposited of the
15. Badomali	34	3,830	Wells and hand pumps.	16,000	10,000	1 800.5 This

Mary Service	ap-			E	XPENDIT	URE.			RECI	EIPTS.	
which the first on the state of the same	Area under cultivation by plication of sullage or sew if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside	ns and dispositing installation	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
1	7	01		2	3	4	. 5	6	11	2	
1	Acres.	Rs.	160	Rs.	Rs. 000	Rs.	Rs.	Rs.	Rs.	Rs.	District concile
0.3	ontale	of banks	a :	0,00	0000	18	Ditto	088,	8 -	and out.	ia. Sant
The same of the sa	•	2,088	1	296	_000.	er	Ditto	000,3	40	fo8	18. Qila
-		588		151				18	305	-slaw	16, Gujran Distrik
D. S.	oy broad a sewal control of the sewal control of th	530	To The	000 00	8_ 000.	800	beadnia tube-wel	E BITS	, deo 16	-	L Guira
1	in las	432	0 .	000,03	565	08	law-sda	P 928,	100	5 and a	No proper drainage.
A	o elallic	480	THE STATE OF THE S	111	000	08	iam went	ror	80	bed to	Ditto.
3	ontale	461	a c	100,a	.000	01 5	relle.	7 .1(2,1	80		& Ella
京は	Shto Files	251		8,000	000	20	Ditto	BUT,	88		6 Ram
200	ini ide thi	1,266	13/3	4,000	000		Disto	. 183	116		No drain
1	ren aq	687		477	000		in elle	Fig.	123	bada	Ditto.
-	100	in gos or	3 .   3		4.		mod but		1.		
								Brad	25	.com	

-	1.8	ROME	T.	0	GENERAL.	CHUZZŽĪ	S S S S S S S S S S S S S S S S S S S
. 038	Name of municipality or local body.	Total inhabited area (in acres (in a		Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	2	1	2	3	4	5 8	16
	(15) Sialkot District— concld.	Acres.	.83	Ba, B	Gallons.	Gallons.	Acres. Rs.
16	. Daud -	33	3,189	Wells and hand pumps.	14,000	9,000	Discharged to out- side the town.
17	. Sankhatra	6	2,986	Ditto	18,000	10,000	Drained to outside of the town.
18	. Qila Soba Singh.	240	2,500	Ditto	12,000	8,000	880.S- tota
16.	Gujranwala District.		81	Dkto"	10,000	to the	888
1.	Gujran- wala.	2,560	58,716	Abyssinian tube-wells.	360,000	300,000	Dispossd of by broad irrigation on sewage farm and into ponds and depressions.
2.	Eminabad	001	7,329	Tube-wells and shal-	30,000	20,000	Disposed of by land treatment.
8.	Wazirabad	1,753	20,707	low wells. Abyssinian tube wells.	80,000	60,000	Discharged into Palkhu nullah on the north-west of the town.
4.	Kila Didar Singh.	90	3,815	Wells and hand pumps.	19,000	15,000	Drained to outside of the town.
5	Ram Nagar.	107	4,768	Ditto	20,000	13,000	Discharged into a nullab of River Chenab.
6.	Akalgarh	66	5,483	Ditto	22,000	14,000	Discharged into ponds outside the
7.	Sodhara	2	4,712	Wells	20,000	13,000	town.
8.	Hafizabad	700	14,431	Wells and hand pumps.	70,000	50,000	Disposed of on sew- age farm outside the town.
9.	Pindi Bhattian.	25	4,478	all made	-	1	-

lica-		Ex	PENDIT	URE.			REC	EIPTs.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	ī	2	3	4	5	6	1	2	
Acres-	Rs.	Rs.	Rs.	Rs.	Rs	Rs.	Rs.	Rs.	(17) Shelkle pura Dintel
Material Confession	ed of by	100 Dispo		00,00	l pumps walls.	onii 60	11.21 2	0,1	. Sheikhu- pura.
abloft	327	110		00,02	0.000		5 5,00	-	
into	ide the fa	oute							The state of the s
100	55,382	2,736	02 0	4,8	75	1 19 8	4,875	-	Drainage very de- fective.
3	3,393	97			based yl	70	450	555	
	olatro Bad	,000 ,000 ,000			totay le	O Can	1,4		Drainage very de- fective.
		wood .			silmod p				
	1,558	296			odlik.				
a5 a	1,935	1,779	a	00,60 00	- ottio	21	0.02 00		No proper drainage.
16	498 7,717	56	947	00,00	other		13		
-00%	in beneated	Sund Direct	4	ta.oo	band b	BL Stat	7,0	1	
					Fidum	.:	1		

	STATEON	SH		GENERAL	EXPENSE.	1.00
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gailons.)	Means and methods of disposal of sulage or sewage.
etto Sintere	1	2	3 3	4	5	6
(17) Sheikhu- pura District.	Acres-	eH .	He Ha	Gallons.	Gallons.	Agree- Ha. I
1. Sheikhu- pura.	1,092	12,166	Hand pumps and wells.	50,000	40,000	Disposed of by means of inallars for cul- tivation purposes.
2. Sharakpur	45	5,056	Ditto	20,000	13,000	Discharged into fields outside the town.
3. Chuharkana Mandi.	32	3,399	Ditto	20,000	16,000	Discharged into ponds close to the town.
4. Khangah Dogran.	49	1,884	Ditto	8,000	5,000	Drained to ponds outside the town.
5. Sangla	612	6,478	Piped water supply based on canal.	50,000	40,000	Broad irrigation on sewage farm.
6. Shahkot	36	1,490	Canal water and wells.	6,000	4,000	Discharged into
7. Shahdara	7.5	5,249	Wells and hand pumps.	25,000	20,000	Drained outside the town.
8. Nankana Sahib.	1,171	9,155	Ditto	60,000	40,000	Broad irrigation on sewage farm.
(18) Gujrat District.		5,490	I are		16,000	International Inter
1. Gujrat	1,459	25,604	Ditto	100,000	75.000	Broad irrigation on sewage farm.
2. Jalalpur- Jattan.	212	12,507	Ditto	50,009	35,000	Disposed of on land outside the town.
3. Dinga -		7,068	Shallow wells and hand pumps.	25,000	16,000	Discharged into see- page farm.

applica- f any (in		E	XPENDIT	URE.			RECI	EIPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of reprire and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm,	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	81	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
ableh own.	neds to	ogo Den	ði 0	0.80	ban, all	52 We	16 7,2		
land	1,608	204	040	80,08	08	CE . 8 00	0,01000	nd.	
	3,510	4				1 0	N.B., 25	4	
near	Baronsan	ob Dist	b1 0(	20,0	ina and allow-ec	10 VV.0	2.5 - 6.2	9 -	Summing .
odi o	1,584	lan Ono Disc	W O	14,0	od	M - M	110		invalatore.
		. 000	0 0	1.0,0	bas, el	ow. Re	8,2 00	2. "	
by	barrand to or ani	sia_ oce	8 0	12,0	illow olls	24 - Pu	8,8=		
	the town.	10						7.0	19) Shake
olni -eb	CHEDOGHA	879	0 14	21.0	Hew wol		13		incité.
6.68		1,417	959	40,0		258	600		Bhore.
-inni	on,	410			-mis	W- SE	7,7 5 80		lawhte8
od) o	totalo de la	102			pumpa	mad			
8	al lo losoc	5,164	00 0	630	rior be		630	8.1.	Drainage very de fective.
no p	4,662	219	085. 8	333,13	notaw by	II Prin	6	0.8-	Ditto.
vater	2.358				iply on	nd .			Sandyw.

	Pilao	EE PER		GENERAL	Expus	18
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	1	2	3	4	5	16 T
(18) Gujrat Dis- trict—concid.	Acres.	E E	Hs. Re	Gallons.	Gallons.	Acres Rs.
4. Kunjah	76	7,152	Wells and hand pumps.	28,000	15,000	Drainad to fields outside the town.
5. Mandi Baha- ud-Din.	635	9,600	Ditto	50,000	40,000	Disposed of on land near the town.
6. Shadiwal	82	6,469				ou sude the blern.
7. Lalamusa	624	6,230	Wells and tube-wells.	20,000	14,000	Discharged into depressions near the town and on land.
8. Malakwal	28	4,034	Ditto	14,000	9,000	Discharged into the
9. Phalia	200	2,603	Wells and pumps.	10,000	6,000	Il old free ation, on
10. Kharian (19) Shahpur District.	100	3,524	Public wells	12,000	8,000	Discharged by drains to outside of the town.
1. Miani	67	6,472	Shallow wells and hand	21,000	14,000	Discharged into neighbouring de- pressions.
2. Bhera	155	19,741	pumps Hand pumps and shallow wells.	70,000	50,000	Disposed of on land outside the town and by broad irrigation.
8. Sahiwal	695	7,762	Wells and hand pumps.	24,000	16,000	Discharged into a nullah close to the town.
4. Khushab	1,830	14,000	Piped water supply based on	120,000	60,000	Sullage water is disposed of in the river through
5. Sargodha	2,926	26,761	wells. Piped water supply based on canal	333,185	260,008	Broad irrigation on sewage farm and into storm water channels.

y ap-		E	XPENDIT	URE.			REC	EIPTS.	
Area under cultivation by plication of sullage or sex if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets	Cost of conservancy staff the upkeep and cleaning drains, bazaars and streets cost of repairs and renewals drains both inside and outsithe town, i.e., intramucianies and disposal wo flushing installation.		Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellane ous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	Remarks.
7	1	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs-	Rs.	Rs.	Rs.	19) Shahpur Distric
00	1,596	102	9 0	răr.	d water	87 Pip	2,2	81	6. Phuilet
14	6,218	25	02 200	0.88	oo bu	1,505	160		V. Bhalwa
		-	:		no hos	and sao		-	No proper drainage
	Ditto	000 -Abs	0 0	30,08	63310	low of	2,2 178	2 Illa	8. Ellland 9. Nurput
Innd	osed of by	Disp. Disp.	.7 0	00,11	haar el	eg We	2,8 30,2	1,0	10. Shahpi Civil S tion.
od n epres- the	near :	nai	at - 0	20.0	Stric	08	2,3	10	11. Shabpa City.
1.5	7,455	1,894	-	-			1,590		20) Shelum Distric
ofat	begind		82 84	0,001		eg Op	17.5	ut	aniedt, .1
into which wer.	2,831		08 04	0,00	lis. ed Water oply and ils.		551		2. Theinn Canton ment,
parren charge	no bodi	ant	20 20	48,71	pply.	SE Pip	01		B. Pind
33	26,975	ddo Disc	20 20	185,0	no be-	ad yit laW   QS	3,000		Drainage very de- fective.
di ol	de Leb.		10 7,205	1,608,4	ed water pply sed on	ad ad	87 75,7	-	L Rawall .r

	OFFIFTS.	MSE		GENERA	ERPRES	
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	1	2	39	4	5	6 7
(19) Shahpur District— concld.	Acres.	E. R.	Rs- B	Gallons.	Gallons.	ores: Re. B
6. Phuller- wan.	192	2,957	Piped water supply based on	11,700	9,000	Disposed of on sewage farm.
7. Bhalwal	49	4,153	tube-wells. Piped water	33,047	26,000	Ditto
No proper,	- 025	-0,230	based on canal.	26,000	116,000	The length links
8. Sillanwali 9. Nurpur.	267	2,583	Ditto Wells	30,000	23,000	Ditto Absorbed by sandy
. Nurpur	- 10	4,619	wells	14,000	9,000	Absorbed by sandy soil.
10. Shahpur Civil Sta- tion.	1,065	3,265	Wells and hand pumps.	11,000	7,000	Disposed of by land treatment.
11. Shahpur City.	51	5,280	Ditto	20,000	15,000	Discharged on to land and depressions near the town.
(20) Jhelum District.	100		and hand	-	To have	produced de-
1. Jhelum	1,000	17,266	Open wells and tube- wells.	100,000	75,000	Discharged into River.
2. Jhelum Canton- ment.	65	6,223	Piped water supply and wells.	50,000	30,000	Sullage thrown into main drains which lead to the River.
3. Pind Dadan Khan.	110	9,832	Piped water supply hased on	43,792	35,000	Absorbed on barren land and discharg- ed into River
4. Chakwal (21) Fawalpindi	115	9,549	Wells	35,000	25,000	Jhelum. Discharged on adjacent land.
District. 1. Rawal-pindi.	3,087	75,767	Piped water supply based on wells.	1,506,440	1,205,552	Discharged into the River Leh.

lica-		1	Expendi	TURE.			REC	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	the town, i.e., intramural drains and disposal works flushing installation.  Cost of lifting or pumping sullage or sewage.		Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	01	2	3	1	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
odesi	3,167	1,478	00100	145,9	d water	102	2,0.8	6,5	
otoi- otoi- otit	5.539	selC 95	240	18,10	doment.	206	54		
23	3,343	82					586		
	**	. 000	00 16	0,52	bne si lallewed	lo VV a (	0,01. 20,0	1	
N 03	begand an.	000 Disci	28. 09	0,11	so river E piped ter	177	1. 2,0		
	2,464	292	08 - 00	0,00	glge	55 W o	,a 6		
di one	oddsgree w awas badsaad lo s	e el	08 00	113,0	godnw by gloc god on the god on t	ind in	2 7,0	tion the	
River	arged mis	1,167	84	0,7	eubri 4		1		
into	352		11 - 0	28,0	has et				
	2,814			21,0	n.mbr	09 03	1	20	7. Fateh Japa. 3. Takage
	3,442	OTOT.			e Indus	83 BIV	A 58		
ois)	99,604	3,782	00 30	20,0	er Indus	TA CAT	.T. Be	-5	2) Mianwa Diatris La lau it

		SCRIPTS			GENERAL	Expan	
mu	Name of nicipality or ocal body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sul- lage or sewage.
		1	2	3 3	4	5	6
	Rawalpindi District— concld.	Acres.	8	Rs. B	Gallons.	Gallons.	& cres. Re.
2.	Murree	6,699	W.1,530 S.9,209	Piped water supply based on catchment.	145,930	100,000	Discharged into nullah.
3.	Gujar Khan. Attock Dis-	76	5,155	Shallow wells.	51,350	30,945	Discharged into nullah near the town by outfall drains.
	trict.		d den	· butter	30,000	22 22	28 3,848
1.	Pindi Gheb.	102	10,506	Wells and tube-wells.	25,000	15,000	Absolutely laddy
2.	Khaur	11	2,020	Sohan river and piped water	44,000	25,000	Discharged into a nullah.
3.	Hazro	80	9,155	wells	50,000	30,000	Ditto
4.	Campbell- pore.	512	7,997	Piped water supply based on wells.	113,000	80,000	Discharged to outside the town where it is absorbed in the beds of sandy nullah.
5.	Attock	1,100	1,846	River Indus water.	7,000	4,000	Discharged into River Indus.
6.	Hasan Abdal.	221	5,682	Springs	23,000	16,000	Discharged into
7.	Fateh		4,849	Wells and	16,000	11,000	streams.
8.	Jang. Talagang	95	7,146	ponds. Weils	21,000	15,000	and all the burton
9.	Makhad	35	4,933	River Indus			Thrown out of the
3)	Mianwali District.		2,40	Well "	,3%0 je		town by sweepers.
1.	Isa Khel	398	7,515	River Indus and Kur- ram.	30,000	20,000	Discharged into water-courses of River Kurram.

(in		1	EXPENDI	TURE.			REC	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and ceaning of drains, bazaars and streets.	drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	81	2	3	4	5	6	1	2	
Acres	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(23) Mianw District- conold
into	18,343	3,998	25 00	85,0	bas. eli	2,334	1,8   85		f. Kalabag
of the	harged o	go Diag	0 - 17	26,00	ils and allow	67 Ve	20 6,8		8, Bhakkor
ebista	3,547	2,220	05 40	0.00.	has all	12 .W.	28 15,1	2	Lawnelli &
	800	000	13		ban all		6.3		5. Knilark
по по	htmains, by	Bros.		150.0		W 18	-		No proper drainage.
n to into	brasslops		79	_	Ditto	III	LII.	5404	1. Montgon 2. Pakpatt
on on	9,399	340	121. 18	4,88,3	ed reafer		183	1,326	S. Okara
	9,494	272	12	20,0	1		128 45	late	
on on	ad irrigati		00	85,0	mps od water oply sed- or	igi pli	8 031	-	6. Aritwala
brag dua alb yl	909	70	00	0,01.	tores bo	83	.1 81		
aoles.	683	po by cau	-					7.0	No drain- age sys- tem.
intion.		0,000 By	008 2 63	932,0	staw beg	-	185 42	8 - 10	No proper drainage.

	STINOS	B		GENERA	Licenzi	(E)
District—concld.  2. Kalabagh  3. Bhakkar  4. Mianwali  5. Kallarkot  24) Montgomery District.  1. Montgomery Pakpattan	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used in gallons).	Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	1	2	3	4 4	5	6
	Acres.	B .	Ho. B	Gallons.	Gallons.	Acros. Ba.
2. Kalabagh	323	8,353	River Indus, wells and	35,000	25,000	Discharged into River Indus.
8. Bhakkar	920	6,857	tube-wells Wells and shallow	26,000	17,000	Discharged on to open land near the
4. Mianwali	2,438	15,412	Wells and hand pumps.	60,000	40,000	town.  Discharged outside the town.
5. Kallarkot		5,153	Wells and shallow	18,000	13,000	downs by outfall
District.	1100	Toubal	tube-wells.	enale	75 100	
1. Montgomery	237	26,154	Wells and hand pumps.	150,000	125,000	Broad irrigation on sewage farm.
	-18	11,311	Ditto	60,000	45,000	Discharged on to land and into depressions outside the town.
8. Okara	108	10,712	Piped water supply	163,331	120,000	Broad irrigation on sewage farm.
d. Campiell-	5127	7497	based on wells.	Tan,Qua	272008	I on Affection obtains
4. Chichawatni	123	4,387	Shallow wells and hand	20,000	12,000	to absorted in the
5. Arifwala	150	3,201	Piped water supply based on	85,989	60,000	Broad irrigation on sewage farm by pumping.
7 7 7 7 7			tube-wells.		111111111	and the same
6. Renala Khurd.	13	1,835	Hand pumps and wells.	10,000	8,000	Evaporated and absorbed by sub- soil and partly dis-
(25) Lyallpur District.		6,233	Slow Indus		-	posed of on land by sullage water carts.
1. Lyallpur	3,135	42,923	Piped water supply based on canal.	932,959	800,000	By broad irrigation on sewage farm.

appli-		Е	XPENDIT	TURE.			RECE	IPTS.	
Area under cultivation by al cation of sullage or sewage, if in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e. intramural drains and disposal works flushing in tallation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.		Any other miscellaneous in- come due to direct or indirect taxation or other sources in connection with drainage.	REMARKS.
7	81	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(25) Lyally District
no-no	2,908	1000 Bro	08 - 00	0.001	ed Water	3,093	29 1 9,		2 Goten
10	7,044	107	-		to bes	d .	1.		Ditto
62	15,156	651	18 - 00	46,9	- 02010	.80	1,264	ale.	Drainage very de
	360	000	10 57	70,0	Ditto	20.02	87 7.8	nin	fective.
25	5,504	T. PES			Ditto 228		E 27	1.4	Thurs
97	15,336	2,058	1,664	***	1,200	1.00	15,000	1.0	dibnaT .0
coss- bovou	648	1,383	648	0.11.0	allow b	TST TST	88 788	int	T. Samus
27	mwod	- 000	08 - 0	18,0	d pumps	w Tee	3,192		Sama Ramas
20 20 co	itagizi b	100 · Bros	8 - O	p.8 ***	62110	102	i in	·-ta	e. Pirmah
12	1,023	2,543	302			348	675		District.
20 00	indenti		001	180,0	ons all	W Sp	82 86,0	28	1. Jbang
8.6	1,502	000	pr 0	100,0	ofitto	222	25,8 00 25,8	8 -	No prop drainag
-	207				1	10	da   20	The way	S. Ahnad
21	36,532	1,252	7,723	28,00	one she	16,481	9,599	10	Drainage very d fective.

	SEATH.				GENER	RAL.	any.
Name of municipality of local body.	Total inhabited ar		D.	ter wa		Approximate quantity of sullage or sewage disposed of daily (in gallons).	Means and method of disposal of sullage or sewage.
	1	2	1	3	4	5	1 6
(25) Lyallpur District— concld.	Acres.	Be I I	all	Rs.	Galions.	Gallons.	dies. Rs.
2. Gojra	29	9,779	Piped water supply based on canal.		100,000	80,000	Broad irrigation of sewage farm.
3. Toba Tek Singh.	156	5,903	1	Ditto	46,900	31,500	Ditto .
4. Jaranwala	37	7,320	1	Ditto	70,000	57,000	Ditto _
5. Chak Jhumra.	51	4,094	1	itto	42,066	28,000	Ditto .
6. Tandlian- wala.	36	6,105	I	Ditto	57,000	35,000	Ditto
7. Samundri	25	2,278	100000	e-wells l wells.	11,000	8,000	Collected in cess pools and removed by carts outside
8. Kamalia	125	12,282	Well	s and pumps	48,000	30,000	the town.
9. Pirmahal (26) Jhang District.	71	1,520	D	itto	8,000	5,000	Broad irrigation on land.
1. Jhang- cum-Ma- ghiana.	3,232	36,035	Well	s and e-wells,	150,000	100,000	Broad irrigation on sewage farm.
2. Chiniot	3,200	25,841	D	itto	100,000	70,000	Ditto
3. Ahmadpur	4,762	5,045		/			college jenter
4. Shorkot	130	6,826		s and e-wells.	26,000	16,000	Pr good entraine.

ation		Ex	PENDIT	URE.			RECI	EIPTS.	
Area under cultivation by application of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewsge farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale-proceeds received in resrect of sullage or sewage or of crops.	Any other miscellaneous income due to direct or indirect taxation or other sources in connection with drainage.	REMARKS
7	8 1	2	. 3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	(25) Ihang trict—con
T,vn.	6,311	2,197	000	12	na elle	615	1,500	Die	Drainage is defec tive.
19	7,044	467	8 T81	120, d (from	dist alls	W Cas	828	-	Ditto.
52	7,037	2,063	000	300	o liggi	d	1,950		
9	4,188	600		-	-	7,034	259		2. Multan
25	5,594	6,985	-000	88 - 88,	228	ers w	827	*Lac	S. Shuja
elb s bibluo		do los	- 100	20,	о <b>н</b> д	782	832 6	an all	A. Jolely Piews
DB O	e town.	B TOOO,B	-000	.08	office	202	161. 4		S. Kaba
	993	61	- 100	81 !	enn •d% dlow-odi		4	···ud	melet in
di co	lo baron		000		de sile	.800 and	and the same		7. Mailet
	1,359	000.1	2,232	.8	mad ,vill	W7 148	1,962	silas	8. Kabire
7.5	9,729	628	••00		d pomp	77 :010	466	88	e Dany
inte	701		- 70	87,6	allowan	T 200	11 08	Law	o. Khane
by sul	cond of conds.	1,000 Dis	00	10,01	ils and	a Ston	25. 1,	.ma	madat .I

	TUROS	EL.	. (	GENERAL.	Expan	at) v
Name of municipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sulage or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
	1	2	3	4	5	6 Y
(26) Jhang Dis- trict—concld.	Acres,		Ha. 3	Galions.	Gallons.	Acres Re.
5. Lalian	33	3,216	Wells and hand pumps.	12,000	6,000	Discharged on land outside the town.
(27) Multan District.		9,70	amply	anado	80,000	de d'irrealiga on
1. Multan	1,000	108,351	Wells, tube- wells, muni- cipal water supply based on	w/ws.) 300,000 (from	380,000	Pumped and dis- posed of on sewage farm by broad irrigation.
2. Multan Canton- ment.	608	384	tube-wells.	wells).	28,500	881 A 0 -
3. Shujabad	68	6,618	Wells and hand pumps.	- 38,000	31,000	Disposed of on land in the vicinity of
4. Jalalpur Pirwala.	83	5,257	Ditto	20,000	12,000	town. Rudimentary surface drains discharging outside the town.
5. Kahror Pakka.	161	7,458	Ditto	30,000	16,000	A few surface drains discharge the sul- lage outside the town.
6. Talamba	72	4,378	Wells and tube-wells.	18,000	12,000	Removed by carts to fields outside
7. Mailsi	- ·-	3,003	Wells and hand pumps.	12,000	8,000	the town. Disposed of on the outskirts of the
8. Kabirwala	25	1,845	Wells, hand pumps and	6,000	4,000	Ditto
9. Dunyapur	59	1,946	wells and hand pumps.	8,000	4,000	Ditto
10. Khanewal	89	11,205	Tube-wells	57,497	45,000	Discharged into sewage by broad irrigation.
11. Jahanian	25	1,641	Wells and abyssinian tube-wells.	10,000	7,000	Disposed of by sullage carts outside the town.

lin lin	7	-	E	XPE	NDIT	URE.			-	1	REC	EIP	rs.	
Area under cultivation by application of sullage or sewage, if any (in acres.	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	of repairs ns both i	the town, i.e., ichramural drains and disposal works flushing installation.	r pumping sul-	lage or sewage.	Cost of operation of sewage farm.		Cost of lifting or pumping flush water.	Cost of other miscellaneous	expenses.	Sale proceeds received in respect of sullage or sewage or of crofs.	Any other miscellaneous in-	taxation or other sources in connection with drainage.	REMARKS.
7	0 1	1	2 ,8		3	4		5		6 2	1	1	2	
Acres.	Rs.		Rs.	R	8.	Rs.		ks.	R	s.	Rs.	Age	Rs.	(27) Muh District conold
sulfago e the	753	BD.	251		- 00	7.		ells an byssiona the well	8	386	1 -03	0	- m	13. Lodhe
153	56,380	13	8,406	7,	785	14,0		alle wells ad . ban amps.	m ·	178	1,294	13	als	13. Burew
	-	1			1						1			1d. Venar
-										60		-	indi	No drain- age.
24	4,635		481		.9			29			113			Line of
I broad	2,360		602	1.	0.08	30,		192	od.	868	181	1	- 111	16. Mian Chan
	3,759		79										rice.	(28) Muzaf garh Din
bnal so	o to besoo	Disp	000	1	001	20,		Imnd pr	sН	858	ā 01	8	-3	L. Musaff.
1	of beal	Dre	000.		000	12,0	1	roolation ella and ysginjac be-wella	7 0	883	8 8	3	di	2. Khanga
boal o	1,799	Disp	000.	1	00	19.0		lis and	77	931		4		2. Allpur
23	8,109	18	8,091	-						829	2 -	-		d. Karor
n odi	1,569 beggad	Disc	000,	28	415	30,0		rainisev diew-ed	UA ST	126	0	184	1.00	5. Lelah
1	-				-		1	and or		25	4.0		1	G. Kot Adu

_							
		T3130 H	H		GENERAL	EXER	(In
_	Mandi.  16. Mian Channu  (28) Muzaffargarh District  1. Muzaffargarh.  2. Khangarh.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons).	Approximate quantity of sullarge or sewage disposed of daily (in gallons).	Means and methods of disposal of sullage or sewage.
		1	2	3	4 6	5 2	1 6
	District-	Acres.		-8/1	Gallons.	Gallons.	Agree   Series
12.		950	1,385	Wells and abyssinian tube-wells	7,500	4,000	Removed by sullage carts outside the town.
13.	. Burewala	530	3,271	Public wells and hand pumps.	14,000	10,000	Ditto
	4	-	1,588	-	or saint	-	-
	. Dunyapur	811	50	Stella and and general	5A0	181	and sog land
	Channu	148	4,369	Wells and hand pumps.	20,000	16,000	Disposed of by broad irrigation on sewage farm.
(28	) Muzaffar- garh District.		7,488	D8500	30,000	62	ear a the pul-
1.	Muzaffar- garh.	640	5,853	Hand pumps	20,000	15,000	Disposed of on land near the town.
2.	Khangarh	38	2,863	Percolation wells and abyssinian tube-wells.	12,000	8,000	Drained to fields outside the town.
3,	Alipur	81	3,931	Wells and hand pumps.	19,000	12,000	Disposed of on land near the town.
4.	Karor	-	3,491	Wells and	10.00	.180	duraby sol
ъ.	Leiah	240	9,578	Abyssinian tube-wells and hand	30,000	23,000	Discharged into a nullah.
6.	Kot Adu		4,925	pumps.			-

loa-			EXPENI	OITURE.			RECI	EIPTS.	
Area under cultivation by applica- tion of sullage or sewage, if any (in acres).	Cost of conservancy staff for the upkeep and cleaning of drains, bazaars and streets.	Cost of repairs and renewals to drains both inside and outside the town, i.e., intramural drains and disposal works flushing installation.	Cost of lifting or pumping sullage or sewage.	Cost of operation of sewage farm.	Cost of lifting or pumping flush water.	Cost of other miscellaneous expenses.	Sale proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous in- come due to direct or inducet taxation or other sources in connection with drainage	REMARKS.
7	8 1	2	3	4	5.	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	manM (88)
	(01			**:	squ•sq E	na 1 85	0,8 36	- nit	(28) Musel garh Distri- concid. 7. Daire I Panal
cains.	510	000C By	11 11	15,0	one sque	68 Pu	250 3,0		S. Jatol
-	-			****		- 12	2,4	1 2	J. Khairpe Sanda
							÷	issi det.	New drain- age scheme under con- templation.
	10,788	- 1900	17 -120	180,8	od mator pply sod on	ald. St	80 38,4	asi "2.	1. Dark Gr
5	6,239	13,523	1,300	30,0	lis. Is and I pumpi.	258	820		a timpu
	1,790	-000,	8 - 00	0.81	sinateds	St Kat	1,0 81		i. Dijal
3.5	3,659	312	-		etments.	of ·			
inte	hogod ks.			0.8	lls and pumps.	W 08	57 2,0	1 - 30	indilidine .
.baa	1,761 betatog	GORD & BAS	00 . 10	10,0	. oddie		1.1 - 20	- 1.12	s. Rajang
.50.65	748	-000		8.0	. oddie	3011	83 - 2	noti	assen
		000	61 00	.25,0		06 . De			r. Tabbas
	483	000,	00	0	stream	1H 08	5 4 3,	1	s. Venos
	1,312 2,638	558				63	D. A cristen Feella (	HOW ling Ku linete, F	Party Control
		22 5	PH-01	-5.54	-SGPF	Labore			
		-							No drain age system

		ROBIPE			GENERAL.	distr.		nd)
	Name of unicipality or local body.	Total inhabited area (in acres).	Population.	Source of water supply.	Approximate average daily quantity of water supply used (in gallons)	Approximate quanitity of sullage or sewage disposed of daily (in gallons).	Means and met of dispo-al of s or sawage	thods
		1	2	3	4	5	6	7
(28 ga 7.	8) Muzaffar- rh District— concld. Daira Din Panah.	Acres.	2,049	Hand pumps	Gallons.	Gallons.	Rs. Berentell due ideal	Acres.
8.	Jatoi	28	3,953	Pumps and	15,936	11,000	By means of d	rains.
9.	Khairpur Saadat.		2,467	wells.	-	-	018	
(29 K	Dera Ghazi han District.							
1.	Dera Ghazi Khan.	2,490	23,468	Piped water supply based on wells.	180,847	120,000		he has
2.	Jampur		9,430	Wells and hand pumps.	30,000	20,000	Acres Tax	20.
3.	Dajal	118	6,186	Katcha tanks filled by hill torrents.		8,000	to be seen of	8.5
4.	Mithankot	157	2,680	Wells and hand pumps.	8,000	4,000	Discharged tanks.	into
5.	Rajanpur	302	4,510	Ditto	19,000	10,000	Evaporated absorbed on	and
6.	Kot Chutta	33	2,619	Ditto	8,000	5,000	**	
7.	Taunsa	-	7,506	Deep wells	25,000	15,000	mad fine to	on lan
8.	Vehoa	5 4	3,089	Hill stream	000	4,000		

1						-			
y ap-			ExPE	NDITURE			REC	EIPTS.	
-	ff for	als to utside mural works	Buidmud	sewage	Cost of lifting or pumping flush water.	neous	res-	s in-	
ţi	conservancy staff i	nd contra		100000	mping	miscellaneous	Sale-proceeds received in respect of sullage or sewage or of crops.	Any other miscellaneous in- come due to direct or indirect taxation or other sources in connection with drainage.	
cultiva suliage s).	Cost of conservancy the upkep and cle drains, bazaars and	drains both inside and tendrains both inside and the town, i.e., inturains and disposal flushing installation.	g or	Cost of operation of farm.	or pu	1000	receiv e or	irect ther ther	REMARKS.
hea under c plication of su if any (in acres).	cep s	of repairs us both in town, 1 us and ung nustal	Jost of lifting sullage or sewage.	perat	fting	other	sullag	e tod	
Area un plication if any (in	Cost of constine upkeep	drains to the tov drains	of age of	of o	of li	ost of expenses	Sale proc pect of s of crops.	Any other come due to taxation or connection	
Area plica if an	Cost	Cost dra the drai flush	Cost	Cost c	Cost of water.	Cost	Sale	Any con tax con	
7	1	2	3	4	5	6	1	2	
Acres.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	
A	401	AL'F	0.0	45 (	PUF	Lic	HE	AL	FH)
-	1,419	1,240			- rike		468		
-		-			O. C. C.				
	10,665	3,001						-	No proper drainage.
-	3,089	-							Ditto.
	1,790	-							Ditto.
-	1,369	452				36			Ditto.
	2,360	4,026							Ditto.
i	746					47			Ditto.
								-	Ditto.
	483								Ditto.
					1	1			

D. A. HOWELL,

Superintending Engineer, Public Health Circle, Punjab.

32 DPH-314-5.5.41-SGPP Lahore.

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D. A. HOWBLI,

Superintending Engineer, Public Health Circle, Punjab.

32 DPB-314-5-5-41-3GPP Labore.

## ANNUAL FORMS (PUBLIC HEALTH).

ANNUAL FORM No. I.

Number.

## ANNUAL FORMS (PUBLIC HEALTH).

## ANNUAL FORM NO. I.

STATEMENT SHOWING THE BIRTHS REGISTERED IN THE DISTRICTS OF THE PUNJAB DURING THE YEAR 1939.

					H	H	0	B	A	002		H	H
63		DISTRICTS.	63	Ambala Division.	Hissar	Robtak	Gurgaon	Karnal	Ambala	Simla	Jullundur Division.	Kangra	Hoshiarpur
					:	:	:	:	:	:		:	:
	Midy	Males.	8		550,405	510,588	452,658	527,537	466,294	24,782		449,648	623,878
co	MIDYEAR ESTIMATED POPULATION, 1939.	Females.	4		466,925	444,980	392,664	437,012	373,573	15,090		415,047	545,458
	АТЕР 39.	Total.	10		1,017,330	955,568	845,322	964,549	839,867	39,872		864,695	1,169,336
	NUMBE	Males.	9	IAL	20,992	22,127	20,210	23,237	18,207	587		15,552	23,705
7	NUMBER OF BIRTHS REGIS-	Females.	7	PIV	18,485	19,486	17,984	20,783	16,142	269	NV	13,872	20,638
	is Regis-	LatoT	00		39,477	41,613	38,194	44,020	34,349	1,182		29,424	44,343
	RATIO LER Pol	Males.	6		20.6	23.1	23 9	24.1	21.7	14.7		18.0	20.3
10	RATIO OF BIRTHS 1ER 1,000 OF POPULATION.	Females.	10		18.5	20.4	21.3	21.5	19.2	14.9		16 0 8	17.6
-	-	Total.	11		8.88	43.5	45.2	45.6	6.04	29.6		34.0	37.9
	MEAN RATIO OF BIRTHS PER 1,000 DURING PREVIOUS FIVE YEARS.	Males.	12		8.12	22 5	22.7	22.6	21.9	17.1		18.8	8.02
9	EAN KATIO OF RTHS PER 1,000 TRING PREVIOU FIVE YEARS.	Females.	13	-	19.2	20.1	20.3	20.3	20.0	15.6		17.4	18.9
1	,000 ,1008	Total.	14		41.3	42.7	43.0	42.9	41.9	32.8		36.3	39.7

-	600,179	514,057	1,114,236	23,335	21,402	44,	44,737 20-9	-	19.2 40.1	1 21.0	19.4	4.0.4
431,976	18	349,877	781,853	17,113	15,637	32,750	_	21.9 20	20.0 41.9	9 21.5	19.8	41.0
730,834	4	609,034	1,339,868	31,889	27,236	59,	59,125 23	23.8 20.3	.3 44.1	1 22.0	19.4	41.4
897,406	9	679,527	1,576,933	33,692	30,094	8	63,786 21	21.4 19.1	1. 40.4	₹ 20.0	17-7	37.8
719,425	10	588,997	1,308,422	29,812	26,990	56,	56,802 22	22.8 20.6	.6 43.4	4 22.3	20.4	42.1
621,596	9	527,628	1,149,224	26,543	24,713	51,	51,256 23	23.1 21:5	5 44.6	6 22.6	8.02	43.4
634,479	8	535,772	1,170,251	26,963	24,721	51,684		23.0 21.1	1 44.3	22.0	20.3	42.5
461,495	157	378,133	839,628	19,163	17,300	36,	36,463 22	22.8 20 6	6 43.4	\$ 20.4	17.8	38.5
452,013		375,047	827,060	18,336	16,332	34,668	68 22	2 19-7	7 41.9	9 21.3	18.8	40.1
574,911	1-1	493,584	1,068,495	21,576	19,502	41,078	78 20-2	2 18-2	2 38.4	19.4	17-3	36.6
510,851		432,719	943,570	19,517	17,297	36,814	14 20 7	7 18.3	3 39.0	19-2	17.0	36.2
323,601		294,676	618,277	11,600	10,535	22,135	35 18-8	8 17.0	0 35.8	3 19.2	17.2	36.4
389,610	THE RESIDENCE	333,813	723,423	13,545	11,858	25,403	03 18	7 16.4	4 35.1	18.7	16.8	35.6
346,650		311,407	658,057	12,807	11,010	23,817	2.61 118.2	5 16.7	7 36-2	18.3	15.8	34.5
253,531		228,350	481,881	10,725	9,348	20,073	78 22.3	3 19.4	9.11	22.3	19-9	43.3
Inter		6019	Lillia	Falos	onor	ojes				-	-	urcea
682,143		537,429	1,189,672	29,084	25,664	54,748	48 24.4	4 21.6	6 46.0	21.1	18.5	39-7
759,914		639,445	1,399,359	31,173	28,433	59,606	06 22.3	3 20.3	3 42.6	21.4	19.6	41.1
416,721		363,203	779,924	16,853	14,495	31,348	18 21.6	6 18.6	6 40.2	18.7	16.9	35.6
786,783		619,909	1,343,402	27,641	23,145	50,786	86 20.6	6 17.2	37.8	18.7	16.1	34.8
358,373		303,712	662,085	12,775	10,942	23,717	17 19.3	3 16.5	35.8	18.5	15.6	34.0
305,105	_	253,949	\$50,024	9,772	8,434	18,206	06 17.5	1.91	1 32.6	18.6	15.6	34.2
14 500 000	-	TO 1 17 POR	97 991 119	199 997	528.078	1,111,604	94 21.6	6 192	8 40.8	20.8	18.6	39.4

The statistics of Lahore and Sheikhupura districts in this and other forms refer to the area as constituted before the extension of

ANNUAL FORM No. 1 (A), where the property of the party of

The statistics of Lahore and Statistical

STATEMENT SHOWING STILL-BIRTHS REGISTERED ACCORDING TO CLASSES AND SEXES IN THE DISTRICTS OF THE PUNJAB PROVINCE DURING THE YEAR 1939.

Museumania uli	proper	amber.	1	1 Value	(ib niglaya)	Ambi	1 Hissar	2 Robtak	9 Gurgaon	4 Rarnal	5 Ambala	8 Simla	Vinteres July	7 Kangra	8 Hoshlarpur	Jullundur
	Drewnster	Districte.		63		Ambala Division.		rathrends		:	:	1 1	Jullundur Division.		Najejos	
МОНАММА	THE SET OF	ales.	W	8	l oto, left	TOLLAND	19	10	26	43	84	1 002   100	710,485	801,105	00	est 919
IMADANS	000,300 m	møles.	E-G	407	308 B IS	204,078	12	orto.	6 5	23	93941	2	988,88	31,076	4 0000	26
HINDUS.	781,077	nales.	281.88	5 6	180 188	918 311	62	0010	29 000	148 038 7	247 12	10 10	1,808,423	1.02 .088	1519017002	24 2
CHRIS	STATE OF THE PARTY	8	1	72.8	0.546	37,800	53	89	21 23.00	76 0.192	23 0001	15	80,813	8	1. gritish	20 11.118
CHRISTIANS. 0	HILTON SAMES	·sə[sææ	н	8	11,858	10,585	17,287	202,07	19,339	12,300	2	31,718	20,200	30,084	0.53,530	16,537
OTHER CLASSES.	31,3 BH 31.	ales.	201100	9 8 10	SP. 08 p.18	- 22 22 18	30,516 30	02 187 118	34 200	39 142 55	1 180 18 m	P. 270	20802	981 89 ···	15.00ff38" 8	88,750 8
130.2	0.000	sles.	W.	11	Tropic B	8-11-0	81	79	99	161	332	n	8 38.6	2	13	88
TOTAL.	10 5 3 10 10 10 10 10 10 10 10 10 10 10 10 10	males.		12 1	THE THAT	20.8 03	92	-	30	99 2	167 4	20	48.4 85.3	fo % 300	0	46
10-3	2 5	Jest	7	13	1	7	146	123	85	290	499	31	10	0	17 0.04	114

Lu lhiana		28	12	***	S S	0			:		20	00	8	7	
Ferozepore Lahore Division	18,03	14 de .	00	26	18,00	35,110	: 7,70		1	69	60	16	56	0.00	
Lahore	-	201	184	88	98		13	9 3	29	17	831	246	712	0.00	
Amritear	180.	101	98	144	104	10B.	1	23	-	60	343	204	647	96.0	
Gurdaspur	01	15	3	7	9	n.	1 :	:	9:	and and	23	8	32	90.0	
Sialkot		100	55	30	26	11		13		-	141	95	236	0.46	
Gujranwala	200	101	77	27	22	800.	12 1		:		140	110	250	89-0	
Sheikhupura	81	33	26	22	9	12	23	:	Z:	Roll.	22	34	16	0.28	
Rawalpindi Division.		01		01		0	0.0		-	100	100	M.	1		
Gujrat	218	116	99	. 30	21	TRE	1850	-:	:	AL AGMIN	145	87	232	0.88	
Shahpur	:	299	210	31	31		20	60	69	67	338	246	584	1.59	
Jhelum	1	78	09	6.3	10		:	•	:		80	02	150	0.68	
Rawalpindi	ien,	62	47	31	24	PA48	.:	:	112	See in se	95	17	166	0.65	
Attock	:	115	99	00	8		:	:	:		123	62	182	0.78	
Mianwali [	:	193	126	12	12		:	:	:	64	205	138	343	1-71	
Multan Division	25	20-1	38			20-	85-		-	and the second					
Montgomery	:	328	174	06	63		8	67	00	6	434	245	679	1.24	
Lyalipur .		202	149	.106	55	15	5 10	15		13 3	338	227	565	0.95	
Jhang	:	210	152	41	18	:		: ale	:	21	2 51	170	421	1.34	
Multan	omi	296	215	85	20			day	4	7 8	385	273	658	1.29	
Muzaffargarh	(SECON	180	100	13	10	un in	1000	:		63	203	105	308	1.30	
Dera Ghazi Khan	i	69	47	00	12	u i	127	:	•		77	59	136	0.75	
Total	-	8,070	1,947	1,422	928	72	55	69	-	52 4,633		2,982	7,615	89.0	

ANNUAL FORM

## STATEMENT OF BIRTHS AND DEATHS REGISTERED.

100	2 2 2 2	g_ 3,	-	3	4	20 00	5	
1080	a a 2 2	7 2 2	188	niles.	ation .	NUMBER OF	P DEATHS RE	GISTERED.
Number.	Distr	ICTS.	2020	Area in square miles.	Average population per square mile.	Males.	Females.	Total.
1	2			3	4	5	6	7
88	Ambala I	Division.				10 =	00 65	0
1	Hissar			5,213	195	20,139	17,628	37,767
2	Rohtak.	91.09		2,471	387	13,885	11,805	25,690
3	Gurgaon			2,263	374	12,003	10,562	22,565
4	Karnal	81.8		3,125	309	16,180	14,258	30,438
5	Ambala			1,882	447	13,751	12,057	25,808
6	Simla	9-9		101	395	522	386	908
1 2	1.111	D: :::				200	4 8	wing.
1-	Jullundur	Division.		0 1 9	0. 9	8 3	or or or	05
7	Kangra	-		9,976	86	11,891	11,249	23,140
8	Hoshiarpur			2,247	521	15,780	13,361	29,141
9	Jullundur	B. 8		1,431	781	12,022	10,604	22,626
10	Ludhiana			1,452	539	9,965	8,666	18,631
11	Ferozepore			4,290	312	18,278	15,057	33,335
	Lahore I	Division.						noid
12	Lahore	500		2,682	589	16,687	14,113	30,800
13	Amritsar			1,593	823	16,893	14,882	31,775
14	Gurdaspur	3		1,889	610	14,097	12,286	26,383
15	Sialk ot	good .	100	1,578	744	12,536	10,674	23,210
16	Gujranwala	11-10	N. T.	2,309	364	8,618	7,123	15,741
17	Sheikhupura	4. Eu	- A	2,302	360	8,490	7,195	15,685

No. II.

IN EACH DISTRICT OF THE PUNJAB DURING THE YEAR 1939.

-	NASA SA	Dara entra:	10.300.2	CORNEL TO	6	Halo	Hou		I service	- 1	1	7	379
	· E	DEA	THS PE	R 1,00	0 OF F	POPULAT	ON FE	юм	3 1	rolar	DEAT	THS PE	rio of R 1,000 EVIOUS
		Plage Pund		and	1 4		uses.		All caus	168.		IVE YE	
Cholera.	Smallpox.	Plague.	Fevers.	Pysentery Diarrhoea.	Respiratory diseases.	Injuries.	All other causes.	Males.	Females.	Total.	Males.	Females.	Total.
8	9	10	11	12	13	14	15	16	17	18	19	20	21
188	81	780,8	1 28	1,01	1 02	1	2,25		1	1	1	Joseph C.	18
DES	177	808.8	88	8,6	Fel	00	ST. 8	1	12 14		41	grianii	at
	0.5		30.0	0.6	2.7	0.3	3 0	36.6	37.7	37.1	23.3	25.6	24.4
	0.2	085.0	21.3	0.4	1.9	0.3	2.6	27.2	26.5	26.9	23.8	23.4	23.7
0.001	0.3	7,005	17.8	0.3	2.5	0.4	5.4	26.5	26.9	26.7	29.7	29.8	29.7
	0.3	200,0	16.7	0.4	9.1	0.3	4.7	30.7	32.6	31.6	28.0	29.4	28.6
0.001	0.1	**	18.5	0.5	7.5	0.1	3.9	29.5	32.3	30.7	25.5	28.3	26.8
	0.3	4,458	5.0	0.6	7.3	0.4	9.2	21.1	25.6	22.8	21.1	26.3	23.1
									with the same of t	Divisio	cutter		
8	0.01	780,8	18.2	1.6	4.1	0.2	2.6	26.4	27.1	26.8	25.7	26.5	26.1
	0.2		15.5	0.6	3.01	0.2	5.4	25.3	24.5	24.9	24.7	25.3	25.0
	0.1	317,81	14.4	0.3	1.9	0.2	3.3	20.0	20 6	20.3	20.8	22 0	21.3
.08	0.3	048,5	16.0	0.3	2.0	0.2	5.0	23.1	24 8	23.8	22.0	24.2	23.0
	0.3		16.4	0.3	3.3	0.3	4.3	25.0	24.7	24.9	22.9	23.1	23.0
U	213	1,887		ST.LL	83		sgs.o					antln.	27
03	10,6	4,600		Sa.p	93	1 3 B	850,69	1 33			STARTS	Deta	28 1
-	0.2	390,13	11.1	0.4	2.8	0.4	4.6	18.6	20.8	19.5	19.3	21.8	20.4
0.01	0.1	1	13.9	0.7	3.2	0.2	6.1	23.5	25.3	24.3	22.9	24.8	23.8
	0.03	-	13.3	0.4	6.0	0.3	3.0	22.7	23.3	23.0	22.7	23.1	22.8
0.001	0.1		12.8	0.4	3.1	0.2	3.3	19.8	19.9	19.8	20.9	21.3	21.1
1-8	0.1	889.07	15.0	0.2	1.0	0.1	2.4	18.7	18.8	18.7	21.9	21.9	21.9
	0.1	-	15.2	0.04	0.8	0.1	2.7	18.8	19.2	19.0	19.0	19.2	19.1

1	T	2			3	T	4	1		5	AL REUV
70 000,	ORATHS PARIS DE	STRICT	8.	14	Area in square miles.	1 10	Average population per square mile.	NUMBER 000,1 am	OF D	TAUG AT	GISTERED.
Number.	PIVE YEAR	Desay	III cana		Area in		Averag per sq	Males.		Females.	Total.
1	agfa ofmus	2	plane	yrea.	3	Soitu o	4	5	4010	6	oquian region
- 10	Rawalpin	ndi Di	vision.	76		1		179	1		10 10
21	Gujrat	81	71	-91	2,250	101	476	10.10		0.007	9 8
18		an ala						10,184		8,697	18,881
19	Shahpur	8713		8-8	4,789	1.00	197	9,326	3	8,308	17,634
20	Jhelum	8182		2.1	2,773	100	223	5,990	12	5,785	11,775
21	Rawalpindi	7:82		0.4	2,023	20:	. 358	7,851	1 Page	7,005	14,856
22	Attock	81.0		7.0	4,117	200	159	7,177	OL	6,066	13,243
23	Mianwali	8-88			5,395	201	89	5,058	1 02	4,458	9,516
	Multan	Divisio	n.			1					
24	Montgomery	8.00			4,518	2100	263	11,497	an	9,987	21,484
25	Lyallpur	24.0		8-15	3,224	207	435	13,832	101	12,775	26,607
26	Jhang	8-82		1-15	3,452	2100	226	7,556	05	6,510	14,066
0-	Multan	24.9		0-08		0.00	18		0.0		
27		hore			5,892		228	11,783		9,887	21,670
28	Muzaffargarh	8-91		Bier	6,052		109	5,931		4,509	10,440
29	Dera Ghazi Kl	nan		8-128	5,325		105	5,282	185	4,095	9,377
8-8				TER	0.0	8108	0 3	30 040 30	ente	-1	80.0 20.0
241				8-81	8-8		1 1	ST 10-0 S	20	1	110010
III	То	tal	2-91	9 81	96,614		282	323,204	2	79,988	603,192
-				-			-				

9,050	2002	1,00 to 100 to 1	1	12,211	6	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1	N N	S gin	iog in		7	SA CE
361	00	D	EATHS	16 6	000 OF	POPULAT	-	ROM			DEAT	N RATE	1,000
- 60	1	- 20 -		and .	A.	90 10	nses		All oru	ses.	FIV	EYEA	RS.
Cholera.	Smallpox	Plague.	Fevers.	Dysentery Diarrhoea	Respiratory diseases.	Injuries.	All other causes	Males.	Females.	Total.	Males.	Females.	Total.
8	9	10	11	12	13	14	15	16	17	18	19	20	21
1.0		10 10		1 10	25.00	A R	8		10000	la line		!	2 2
STREET	0.05	1,007	13.1	0.3	2.4	0.2	1.7	17.7	17.6	17.7	19.5	19.6	19.5
	0.2	180	12.5	0.1	2.7	0.4	2.4	18.2	19.2	18.7	18.7	19.4	19.0
1000	0.1	188.17	12.6	0.3	2.5	0.4	3.0	18.5	19.6	19.0	20.3	19.7	20.0
	0.1	10.10	12.8	0.3	3.5	0.5	3.4	20.1	21.0	20.5	19.7	20.7	20.2
1	0.2	10.3	13.6	0.1	3.1	0.4	2.7	20.7	19.5	20.1	19.5	18.4	19.0
2.003	0.1	Paris S	15.7	0.3	1.3	0.3	2.1	19-9	19.5	19.7	22.9	22.8	22.9
3 308	0.2		13.6	0.1	1.6	0.3	2.3				17.5		ā
	0.03	100.10	13.6	0.1	1.7	0.3	3.2	18.2	20.0	19.0	17.7	19.0	18.3
2	0.2		11.2	0.3	2.7	0.3	3.3	18.1	17.9	18.0	16.2	17.1	16.6
30.8	0.1	2 60. 50	11.3	0.5	1.8	0.4	2.0	16.0	16.3	16.1	18.8	19.2	19.0
		7	13.9	0.03	0.7	0.3	0.9	16.5	14.8	15.8	21.1	20.0	20.6
	0.3		13.6	0.2	0.9	0.3	1.5	17.3	16.1	16.8	19.6	18.5	19.1
relian	Total Control	Market Market	N BOO	1	-	1	died		1				-
202	Long	The Board	The state of	THE REAL PROPERTY.	1	100	8			1 3	Name of Street,		To the second
0.001	0.2	8 9	15.0	0.4	2.9	0.3	3.4	21.9	22.5	22.1	21.5	22.2	21.8
				- 1					1		-	1	1

in this or any other statement.

ANNUAL FORM NO. 1II.

DEATHS REGISTERED IN THE DISTRICTS (RUBAL CIRCLES) AND IN THE TOWNS OF THE PUNJAB DURING EACH MONTH OF THE YEAR 1939.

4	Total deathy register e d during the year.	15			34,258	22,892	20,559	26,965	22,211	340		23,039	27,810	19,127	15,656	29,954
TANC	December.	14	COLD	WD.	2,218	2,091	1,449	2,954	2,309	22	ON EAST	1,773	2,317	1,617	1,409	3,124
La Ball	November.	13		cher can	2,157	2,275	1,582	3,048	2,305	14	100	1,796	2,038	1,561	1,364	2,421
To the same of	October,	12		VIIV	2,304	1,864	1,754	2,778	2,627	17	B84	2,054	2,171	1,481	1,174	2,030
	September.	111			2,316	1,647	1,586	2,553	2,393	24		2,057	2,119	1,468	1,167	1,913
3.	August.	10		Sid	2,732	1,795	1,576	1,959	1,530	28	18:1	1,667	2,241	1,748	1,221	2,188
	July.	6		4:9	3,210	1,745	1,561	1,822	1,465	333	42.6	1,695	2,199	1,636	1,256	2,482
2-1	June.	00	SI,	3-0	8,553	1,899	1,800	2,069	1,588	26	8-21	2,172	2,480	1,619	1,363	2,403
8-1	May.	1	00	2.7	3,727	2,135	2,068	2,124	1,668	37	8-81	2,074	2,814	1,848	1,509	2,422
8-1	·lingA	8		1.2	2,815	1,729	1,637	1,563	1,370	24	1.21	1,633	2,218	1,388	1,239	2,003
2.	March.	10		0.2	2,787	1,506	1,652	1,701	1,524	43	13-0	2,141	2,505	1,784	1,279	2,395
7.	February.	4	BI	3:8	2,964	1,718	1,641	1,934	1,653	28	0-04	2,049	2,196	1,422	1,214	2,935
84	January.	00	18	0-1	3,475	2,488	2,253	2,460	1,779	44	8-11	1,928	2,514	1,755	1,461	3,638
1.	RCLES.	1 8	01	sion.		2-0	0	7-0	1.00	0-0	ision.		:	The same of	13%	1:
63	A-RURAL CIRCLES.	62		Ambala Division.	Hissar	Robtak	Gurgaon	Karnal	Ambala	Simla	Jullundur Division.	Kangra	Hoshiarpur	Jullandur	Ludhiana	Ferozepore
1	Number.	1	-	10	1	21	က	4	10	9	0:0	7	00	6	10	11

10,177	23,828	24,518	20,679	14,077	15,267		17,752	15,918	11,086	12,548	12,356	8,833		20,810	24,762	12,539	18,159	9,883	8,265	533,268	22.42
200	1,724	2,066	1,663	1,470	1,451		1,537	1,388	996	1,126	1,077	872	-	1,997	2,094	1,171	1,765	1,111	808	47,710	2.00
1 800	1,995	2,054	1,631	1,171	1,323		1,470	1,220	1,015	1,036	983	731	66	1,874	1,834	981	1,516	954	661	44,610	1.87
1,100	1,851	2,028	1,560	1,009	1,043		1,259	929	199	867	798	684	0	1,443	1,760	817	1,187	684	558	40,938	1.72
	1,451	1,890	1,649	1,062	1,135		1,381	1,030	821	722	708	611	38	1,446	1,992	191	1,114	602	528	40,008	1.68
	1,667	2,019	1,988	1,268	1,470		1,399	1,174	870	812	758	612		1,448	2,068	937	1,022	558	438	41,406	1.74
9	1,788	2,056	1,766	1,395	1,529		1,532	1,494	864	854	912	657	8	1,635	2,330	966	1,285	621	520	43,679	1.84
	2.422	2,376	2,053	1,174	1,538		1,533	1,685	948	918	993	716		1,980	2,637	1,266	1,621	724	700	48,066	2.02
90	1,723	2,556	1,911	1961	1,324		1,220	1,508	819	949	1,051	734	a di	1,868	2,379	1,163	1,843	868	691	48,413	2.03
,	1,198	1,748	1,322	785	832		1,101	1,096	776	882	854	717	2	1,330	1,621	1,075	1,273	899	670	37,216	1.56
	1,353	1,984	1,658	1,199	1,053		1,463	1,490	808	1,325	1,195	878	0	1,585	1,886	1,163	1,718	993	850	43,471	1.83
	1,438	1,711	1,529	1,077	1,167		1,768	1,481	1,127	1,337	1,222	965	- 5	1,982	1,999	1,026	1,854	927	851	44,591	1.87
	2,015	2,000	1,949	1,506	1,402		2,089	1,423	1,275	1,720	1,805	656	-	2,222	2,162	1,153	1,966	1,143	905	53,164	2.23
Lahore Division.	Lahore	Gurdaspur	Sialkot	Gujranwala	Sheikhupura	Rawalpindi Division-	Gujrat	Shabpur	Jhelam	Rawalpindi	Attock	Mianwali	Multan Division.	Montgomery	Lyallpur	Jhang	Multan	Muzaffargarh	Dera Ghazi Khan	Total for Rural Circles	Ratio per mille of population.
1049	12	14	15	16	17		18	19	20	21	22	23		24	25	26	27	28	29		

4	Total deaths registered during the year.	15		880	634	1,565	827	103	921	423	878	108	230	609	229	34,012	707	326	106
	December.	14	T. T. C.	51	45	115	25	1 200	68	40	82	8	20	101	Lahn	2,000,0	11	34	63
	November.	13	Town I	43	36	94	18	9	0	35	82	0	19	20	12	Stope.	62	- 31	•0
	October.	12	1000	36	. 31	66	8	* 208	64	46	82	==	6	21	13	Studen Students	83	20	00
	September.	11	- Salva	45	38	133	23	320	49	38	21	10	20	29	16	000	46	25	12
	.dsuguA	01	Date of the last	75	61	161	22	10	96	47	27	12	32	30	20	1000	69	30	18
00	July	6	Con Control	102	53	122	25	10	04	42	26	00	19	35	24	3300	67	25	*
	·əunf	80	2002	129	89	196	09	20	7.5	22	27	7	6	89	15	37.0	09	31	7
	May.	1	2000	94	57	190	17	16	118	52	48	10	18	53	22	5.55.5	69	25	0
	April.	9	1,021	7.1	43	122	30	15	65	24	32	7	6	87	20	8:	46	83	a
	March.	10	1,480	53	19	101	25	9	61	24	31	10	18	28	29	:	929	- 31	0
	Rebruary.	1	080.1	09	55	93	16	20	11	25	26	10	23	23	31	÷	99	19	13
	January.	3	1000	121	83	139	89	6	65	28	43	18	33	28	20	2.000	93	22	13
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Network 2	B-Towns.	2	Hissar District.	Hissar	Hansi	Bhiwani	Sirsa	Budhlada Robtak District.	Rohtak	J hajjar	Beri	Gohana	Bahadurgarh	Sonepat	Mehm	Robtak Civil Lines	Rewari	Palwal	Firozpur-Jhirks
-	Number.	-		-	63	co	4	ю	9	7	00	8	10	11	12	13	14	15	18

209	147	132	207	112	943	661	1,108	418	168	153	27	772	634	168	380	241	182	CAR NO.	10 mm	826	374	88
18	==	*	13	20	122	28	91	52	15	10	:	54	53	17	26	10	26	in	-	63	35	62
п	90	6	20	9	100	17	111	33	88	17	:	92	82	24	43	27	21	· No		101	34	00
14	10	10	10	4	68	34	76	39	10	21	:	28	26	14	51	12	6	:01	Pop	81	24	1
17	13	7	14	10	69	42	18	61	18	15	:	88	10	19	28	28	22	100	lijo.	67	37	00
24	11	15	20	1	211	1.82	121	47	22	90	:	69	48	=======================================	43	23	111	:,	1	77	37	60
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16	13	12	16	15	100	100	134	31	00	12	တ	53	52	- খ	22	14	7	:	Bi-	09	29	9
18	29	10	13	26	250 2	1 6	06	23	0	12	7	81	7.4	13	26	23	20	in	:	73	40	9
58	80	18	17	19		80 2	86	21	12	20	:	88	28	10	16	. 17	00	:,	67	40	23	61
. 21	10	12	21	6	8	00 9	13	17.	9	9	4	89	54	14	18	53	13	3,0	o ic	78	27	4
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Owit Pro-	:		Chhaoni	:	Karnal District.	::	District.	Constitution of	:	District.	Lines	Ambala District.	THE STREET	toponnotu.	:	District	i	ril Lines	[vil Lines	dr Bazar	Amb la Cantonment	Kasauli Cantonment
Hodal	Ballabgarh	Faridabad	Hidayatpur Chhaoni	Sohna	Karna	Karnal	Kaitcal	Shahabad	Thanesar	Pundri	Karnal Civil Lines	Ambala	Jagadhri	Burya	Sadhaura	Rupar	Kalka	Ambala Civil Lines	Sanawar Civil Lines	Ambala Sadr Bazar	mb la Ca	asauli Ca
17 B			20 H	21 8			2		28 T	27 P	28 K	29 A	30 J	31 B	32 B	83 R	34 K	35 A	36 S	37 A	88 A	89 K

4 80	Total deaths registered during the year.	15	490	53	8 7	183	19	of	1,108	632	125	138	269	120	411	9
1 88	December.	14.0	35	0	-	10	30	3	Ball	38	11	7	35	13	01	
0)	Мочетрег.	13	24		2 : 2	17	10	53	THE STATE OF	40	6	7	18	13	30	H
-	October.	12	3	-84	-2-	10	80	63	9	16	00	+	140	9	3	*
	September.	11 23	909	1 0	-	Or	63	3	9 4	45	10	8	115	63	0000	15.73
10	August.	10	84	0	7	00	60	60	12 10	70	12	10	25	10	20	- ED-
	July.	9.18	57	4 0		-	9	63	8	56	16	13	23	200	3	188
3	-Sunc	00	99	es «	0 00	B	=	6	200	53	12	16	30	110	9	91
0	Мау.	7	14	4	: 00	-00-1	7	7	000	11	23	14	27	12	9	2
10	April.	6 8	47	: 3	:	O.	00	10	00	52	9	16	21	5	23 13	9 28
-	March.	20	30	eo -	8 :	9 04	9	69	ÖI.	63	8	110	27	11	20	1831
8	February.	410	21	:	75	78	10	69	97	37	7	11	13	00	3	2
	Jamary.	60	53	c1 oc	25	080	10	63	507	61	7	218	21	6	1	2
Kusanji Cantonment	PHENE B-TOWNS.	Relieu 2	Simla District.	Dagshai Cantonment	Jutogh Cantonment	Kangra District.	Dharmsala	Dharmsala Cantonment	Hoshiarpur District.	Hoshiarpur	Hariana	Dasuyah	Tanda Urmar	Miani	Garhshankar	Hoshiarpur Civil Lines .
190	Number	134	8 19	4 24	£ 23	14	44	45	170	48	47	48	49	50	518	52

100	Jullundur District.						R							
207	Jullundur	177	159	127	146	263	185	156	193	111	126	183	139	1,965
99	Kortarnin	191	30	20	14	34	25	23	32	218	18	27	21	284
54		-	13	6	00	21	13	80	15	7	10	20	0	135
555	Dahon	99	18	00	14	30	17	18	143	100	12	22	9	186
99		15	14	16,0	19	26	6	6	16	10	9	13	-	160
22	Numahal	22	15	16	24	23	19	12	26	0	00	11	15	195
200		20	26	16	26	47	21	20	26	18	2.10	44	20	808
80		16	15	10	90	17	21	15	16	120	10	15	19	174
9		15	10	7	10	6	63	1	20	7	6	11	60	92
000	Ludhiana District.	148	218	173	186	192	155	139	148	166	119	128	203	1,973
29	gesprenbare pro-	45	74	200	99	44	59	45	61	67	61	47	63	657
65	Rackot	22	61	19	15	23	20	26	20	13	13	21	19	230
9 20	Maria M	6	14	9	11	11	-	13	10	7	6	œ	10	115
3	Ferozepore District.	129	84.	7.4	91	76	92	101	85	85	61	88	82	1,045
99	rerezepare	21	91	8	10	4	70	13	9	13	10	12	18	123
89	Dharmkot	16	23	10	16	6	15	17	7	10	t-	43	28	200
69	Muktsar	48	43	17	. 26	18	31	52	38	32	18	38	35	396
70	Fazilka	51	33	33	4	52	57	52	45	46	56	55	46	534
1	Moga	46	333	36	48	48	43	39	35	36	27	28	36	182
7.0	Ab har B-Louns	51.	39	19	4.6	28	27	38	22	22	20	\$	28	383
1 65	Jalalabad	19	11	10	9	00	4	8	16	-	9	=	17	124
74		12	9	12	=	10	12	9	00	4	10	20	00	94
-			1	-	-	-	-							

1	Total deaths registered during the year.	16	9.148	213	917	161	347	293	102	112	125	210	7,081	210	219	193	249	2100.1
00	December.	14	895	23	78	13	29	88	10	14	8	17	532	22	19	18	23	1881
100	November.	13	652	13	22	11	19	25	00	10	2	14	521	11	17	5	13	1831
O.	October.	12	572	00	61	6	23	18	14	20	-	12	266	11	6	18	18	Tool.
	September.	=	814	00	91	15	36	35	12	11	10	15	260	00	10	10	15	III
00	August	10	977	12	80	14	23	30	70	14	15	12	612	27	22	14	26	1833
8	July.	6	1,098	38	109	20	45	82	16	2	.11	27	784	22	17	16	18	1204
Ties	June.	8	790	29	81	12	38	26	6	14	10	59	750	18	27	23	-87	185 4
67	May.	7	154	19	47	10	85	17	9	13	6	17	701	25	18	21	20	2081
- 11	April.	9	691	18	62	22	31	20	4	11	16	22	627	12	10	13	20	169
13	March.	10	580	13	11	11	24	15	00	4	1014	116	473	26	31	25	18	2
0.	February.	#	643	14	78	14	21	16	00	8	9	-15	450	13	16	00	20	0.01
12	January.	00	875	18	106	15	23	23	-	00	12	-14	585	15	23	23	21	63
schots c.2 ronnent	B-Towns.	63	Lahore District.	Chunian	Kasur	Khem Karan	#	Baghbanpura Bhogiwal		Pattoki Mandi	Sur Singh	Lahore Canton ment	Amritsar	Majitha	Jandiala	Tarn Taran	Sultanwind	Amritsar Cantonment
1 000	Number.	-	75 La		200		79 Patti	80 Bag	81 Ich						200	- 00	GALL TO	90   Am

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- Mar		0	31	08.	96	=	6	12	# :	9		149	9	17	10	7	6	72	21	10	2	19
15	2	00	21	Por	99	10	9	11	-01	-	101	160	6	10	123	10	6	6.5	17	)eto	Der.	14
7	GY.	.43	22	63	78	10	1-	10	0 :	1500	30	168	2	8	18	6	1	112	27	epte	mb.	24
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9	70	9 .	19	oly.	16	61	7	12	87:	C1	3	224	14	22	19	10	15	123	19	Į.	4	27
10	10	97	29	4	106	12	6	25	-	10	0000	1645	00	13	1.50	60	111	66	25	9	60	17
78	960	40	22	7	83	22	10	6	01	6	70:	167	00	17	25	13	17	96	12	May.	4	19
101	99	.I.1	14	25	58	9	00	-67	OCT HO	0.4	01 10 10 10 10 10 10 10 10 10 10 10 10 1	122	160	11/2	115	10	10	97 %	23	0	67	16
10	19	1.6	36	00-	84	17	9	- 00	Po Face	200	0000	122,	7	10	- 13	2	10	75	16-	Mer	co co	- 23
98	7	33	8	1	09	12	: 4	c1	=	5000	000	- 66	7	10	178	9	9	99	23	Febr	63	11
40	11	24	13	7	62	00	: =	16	72	800 :	0.60	147	8	10	19	12	10	87	28	Janu	- A	20
trict.	:	11		**	;	.fort.	Mer. ::	: :	ment	nt	ines	rict.	:	4:	:	::	nt	istrict.	-	:		:
Gurdaspur District.		ar	t ::	in Klyan	5	a Nanak	FAUL DAUGS		Canton	ntonme	r Civil L	Sialkot District.	**	Canal a		-	ntonme	Gujranwala District.	p	p	S-TOWNS	p
Gurda	Gurdaspur	Dina Nagar	Pathankot	Dalhousie	Batalan	Dera Baba Nanak	Fatehgarh	Oadian	Dalhousie Cantonment	Bakloh Cantonment	Gurdaspur Civil Lines	Sialkot	Daska	Pasrur	Narowal	Chawinda	Sialkot Cantonment	Gujranwala	Wazirabad	Eminabad	Akalgarh	Hafizabad
-	16	92 I	93 E	94 I	95 E	1 96					-	102 S	103 I	104			_	-	-	1100	H	112

-	62						00							4
Number.	Fredering B-Towns.	January.	February.	March.	April.	May.	June.	July	August.	September.	October.	November	December.	Total detaths registered during the year.
148	Gallandage 2.	0	4	10	9	36	00	6	10	1 ==	12	113	14	16
107	Sheither	10	8	101	101	77	ALT !	12	120	-	0	0	11	1333
113	Sangla	63	00	5	8	3	00	2	67	1	::	00	03	30
114	Sharakpur ::	11	18	63	10	10	70	10	67	15	67	10	12	86
1115	Nankana Sahib	15	10	9	13	4	13	6	60	10	:	00	9	18
116	Shahdara :: ::	6	02	4	co	4	6	12	10	10	00	10	11	80
111	Sheikhupura	18	10	20	9	17	00	-13	00	101	11	7	11	120
The	Gujrat District.		PI.	1								-		000
118	Gujrat	49	36	90	45	27	63	49	25	65	27	920	90	660
119	Jalalpur	58	222	25	15	53	24		56	12	13	16	12	23
120	Kunjah	17	==	12	18	6	10	18	121	13	6	12	18	167
121	Dinga	15	4	7	14	16	12	-	7	-	10	10	11	120
122	Gujrat Civil Lines	1:	:	1	60	10:	1	8:	30 :	-	8	4:	=1:	9
80	Shahpur District.	00	13-	177	200	270	180	1881	CHE	380	308	196	DOM:	
123	Shahpur	0.4	-4	00	9	8.4	12	7	119	6	80	7	17	100
124	Sahiwal	14	15	14	20	14	11	-19	27	12	6	. 16	.18	189
125	Bhera	42	21	29	28	88	46	44	42	23	23	11	36	404
126	Mianizarden	20	00	10	17	16	21	18	15	13	4	6	13	164
127	Khushab	16	24	10	21	24	35	24	31	00	17	20	33	2600
128	Sargodha	40	30	31	47	37	43	22	54	41	40	34	99	619

21.	200	900	314	196	165	14	163	2,005	57.0	10	241	1,080	347	206,	28	16	141	149	TREET	212	110	121	210
20	4	•	200	13	18	-		183	:	:	16	0.	19	13	64	:	14	14	14	21	16	12	222
100.	7.		102	10	13	45	E	168	9	:	15	0.0	31	18	10	01	14	18	1.8	360	12	6	10
41.8.	or	,	28	15	11	:		142	-	:	19	200	55	18	120	:	7	12	101	140	7	11	14
2	01	2	19	5	10	: 12	-	210	7	:	7	0	22	13.55	2	100	6	00	=	32	14	12	22
F9-	6	o I	61	21	150	:	10	180	7	:	16	8	31	1713	00	122	14	10	TO .	25	12	00	13
EXX.	10	2	32	175	15/5	1	- 01	203	1-	:	21	THOUSE IN	37	24	10	100	17	14	8	26	11	6	21
314	1	201	26	13	24	67	200	195	19 8	00	24	- 10	46	26	050	00	13	15	00	16	12	7	24
E38.	-	G	32	325	1168	20	-	151	10	-	28	98	31	13.0	00	:	10	7	+1	11	16	15	10
141	;	29.0	23	12	9	61	- 1	111	10	1	20	00	23	6	I,	T.	20	. 12	0	16	11	6	13
223	7	10	22	10	16	1	-	158	1	:	24	0	31	20	10	4	13	10	0	00	-	10	16
60	11	11	26	21	12	1		190	63	:	19	- 6	24	20	1	63	9	91	-	11	10	4	21
3	6	103	37	23	13	100		114	-	:	322	10	30	15	170	63	19	13	62	19	12	15	26
129 Shahpur Civil Station	Phularwanen District	Sporkog District.	Jhelum	Pind Dadan Khan	Chakwal Helippens	Jhelum Cantonment	Rawalpindi District.	Rawalpindi	Murree	Murree Cantonment	Rawalpindi Cantonment	Ta Attock District.	Pindigheb but. Distaict	Hazro	Campbellpore	Campbellpore Cantonment	Hassan Abdal District.	Tallagang	Mianwali District.	Mianwali	Bhakkar	Isa Khel	Kalabagh
129	130	Tolling	181	132	133	134	120	135	136	137	138	10	139	140	141	142	143	144	-	145	146	147	148

Colopie	Hingwall Bakkas	Min	Callagar	-	149 Monte 150 Pakpa	-	-	152 Lyallp	153 Gojra	154 Tandli	155 Chak	156 Toba	167 Jarans	168 Kama	159 Jhang	107	and "	-	Naluda OEI
	perkeb-Towns.	numali il attice	OK.	Montgomery District.	Montgomary		ug Lyallpur District.	Lyallpur Disters	Goirang Cantamant	Tandlianwalanen	Chak Jhumra	Toba Tek Singh	Jaranwala	Kamalia apon - ant	Jhang Maghiana	dan Eban	dpur -	Shorkot	Spulle Multan District.
38	January	60	181	18	27	1214	80	16	3,12	9	10	1111	17	21	95	64	31.7	14	0
97	February	4	81	0	113	2013	100	89	18.9	4	6 20	100 4	7	35	90	55.53	20.2	5	II
T.	March.	9	10	118	21	20 2	31	64	2 10	9	65	T28 8	00	23	58	1.30	100	10	-7
-	- lingA	9	1.8	CJ.	16	21	623	83	20 5	8	9	111 3	14	21	63	24	9	10	
01	o S.yeM	-	-5	TO	24	20	200	93	2816	-	0	9	12	17	80	30	38	70	-
8	June	00	100	18	27	25	40	94	3,11	9	8	FB 3	18	17	100	53	20.3	11	1
20	o Suly.	6	-	11	2 2	2 10	376	143	-13	- 1	70	808	19	15	29	52	8	0	p.
IS	August. ®	10	101	-1-	19	13	31 6	88	18	*	13	8 3	19	18	91	. 64	2,	14	6
50	September.	=	0	6.	13	22	23111	06	9	9	63	10	9	- 15	57	38	10 6	-	86
-	October.	12	101	-1	116	1812	100	35	11	7	4	10	1	18	54	43	1 920	70	20
10	November.	13	14	1	24	13	32.00	88	15	00	6	9	12	22	49	45	20	, ro	100
-	December.	14		- 6	21	11	181	88	12	7	5	7 121	12	32	77	57	9 89	8	CS
1	Total death registered during the	15	and the second	948	248	178	3418	1,093	138	17	276	62	151	254	851	533	47	96	150

198	115	16	85	116	99	104	186	98 1	1350	467 467	175	201	1111	184	-81	69,924	20.30	603,192	22.15
2 10	11	60	7	Π	1	03	12	7	:	37	15	16	18	12	=======================================	5,936	1.72	53,646	1.87
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	13	24	0	12	10	00	14	-	:	41	25	12	4	9	63	5,738	1.67	50,348	1.85
13	9	10	NO.	7	20	4	19	10	:	38	18	14	8	00	10	4,776	1.39	45,714	1.68
L	10	00	9 ** ***	70	က	10	8	1	:	20	11	11	10	00	9	5,490	1.59	45,494	1.67
16	10	7	Total	13	10	13	15	otal 10	:	39	16	14	5	NO.	7	6,433	1.87	47,839	0.1.16
19	6 × 11	00	10	00	4	=	12	7 70	:	26	11	11	-	00	6	6,711	1.95	50,390	1.85
23	7 16	00	7	63	7	15	15	6	:	27	14	.00	œ	8	00	6,726	1.95	54,792	2.01
21	15	11	6	6	108	13	15	1,45	:	38	17	15	9	6	7	6,453	1.87	54,866	2.01
20	1 808 8 8	10	10	12	00	6	12	1,10	:	20	14	610	00	00	10	5,151	1.49	42,367	1.55
: 2,010	10	9	10	6	504	63	22	1,18	:	820	14	619	6	90	10	5,007	1.45	48,478	1.78
1,001	8 8 10	10	00 E70,1	10	078	П	18	10	:	0.0	6	34	22	10	9	5,134	1549	49,725	1.83
800,8 800,8	8 8 19	9	672	18	778	80	24	1.50	:	80 T 63	11	310.	10	6	15	6,369	1.85	59,533	2.19
Shujabad Mian Channu	Khanewal	Tulamba	Multan Cantonment Muzaffargarh District.	Auzaffargarh	Khangarh	Alipur	Leiah	Karor	Muzaffargarh Civil Lines	Dera Ghazi Khan District.	Jampur	Dajal server	Rajanpur	Kot Mithan	Taunsa	Total for Towns	Ratio per mille for towns	Total for the Province	Ratio per mille for the Province.
166 164	166	168	288	170	1481	172	173	1748	175	110 445	177	178	179	180	181	idne			17

DEATHS REGISTERED ACCORDING TO AGE IN THE DISTRICTS (RURAL

100	8 10 0							-
1	10 2 E	18	100	: 8-3 55	10 -4	2 3 No.	Co. 100 II	50 3
000	20,348 1,04 5	H- F0 00	E S	: 3-2	0 0	10 A 10	13 14	UNDER
	CO - CH			NOT EX	CEEDING	ONE MONTI	1.	
88	N 80 877 64 80	P + 100	99 99	16 16	I BY	-) ()(	ON 11 0	co co
1.88	A-RURAL		Male.			Female.		
170	CIRCIES.	×	2	(a) (a)	D'W	- 4	72.5 W. O.	-1 /1
4	2 2	Under one week	Over one week.		Under one week	wek		Total.
	83 8 2 7 4	on	one	2 3	on	one	15 70 9	0 0
	3 - 3	der	er	Total.	der	Over one w	Total.	
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- 35	B S BLOCK		1/0	: -	0	-	-	
-1	2	3	4	5	6	7	8	9
2.01	F. 50 E. 356 E. 356	30 51	20 2	: 1 8 2	10 47	2 44	2000	* E
	Ambala Division.	9 0 0	5 80 0	00 6	8 9	8 10 8	- 80 80	E 12
1	Hissar	781	674	1,455	561	544	1,105	2,560
2	Pahtak	485	597	1,082	349	439	788	1,870
3	8 = B	503	603	1,106	397	466	863	1,969
4	Warnel.	700	665	1,365	504	485	989	2,354
5	9 9 9 9 8	667	466	100	504	448	952	- 2,085
	the section of			1,133			13	27
-6	Simla	9	5	14	6	7	01 00 0	TO . +
00	Jullundur Division	- 10 00		: 7				-
7	Kangra	1,115	934	2,049	1,063	889	1,952	4,001
8	Hoshiarpur	1,045	763	1,808	778	672	1,450	3,258
9	Jullundur	1,043	548	1,591	927	490	1,417	3,008
10	Ludhiana	850	727	1,577	695	640	1,335	2 912
11	Ferozepore	1,485	915	2,400	1,145	696	1,841	4,241
Silis	Lahore Division.	1. 8	00	Trans.	E. E	Di	1.00	.181
12	Lahore	655	673	1,328	552	484	1,036	2,364
13	Amritsar	531	616	1,147	461	449	910	2,057
14	Gurdaspur	1,101	683	1,784	893	517	1,410	3,194
15	Sialkot	730	538	1,268	593	435	1,028	2,296
16	Gujranwala	9 443	9 445	888	339	281	620	1,508
17	Sheikhupura	587	503	1,090	481	366	847	1,937

FORM No. IV.

## 910 9 11 9 CIRCLES) AND TOWNS OF THE PUNJAB PROVINCE DURING THE YEAR 1939.

THISTY	XXNS	WT MENTS	STREET	TEN YEARS	RAIRS	S SAIR	Deg.	WAL (SHE MA
ONE YEAR.								
OVER O		DING	AND N	SIX MONTHS	NG		JARUH.	
Lemvie State	Remale,	Male.	Mele	Remajo Mala Spajo:	Founds Lemaje	Male.		No.
Male.	Female.	Total.	Male.	Female	Total.	Male.	Female	Total.
10	11	12	13	14	15	16	notal 17	Index 18
200,1	386	1625 4180	80h - f	803 ( 745	1,521	5,005	erdan s	Basai H I
180 250	289	807 206	219	45	081.9		Liden 4	atiloH &
502 715	287	818 1584	788 . 85T	92 -549	AU S	2,328	THE RE	S Garage
1,491	1,130	2,621	1,491	1,078	2,569	4,437	3,313	7,750
1,327	968	2,295	980	760	1,740	3,389	2,516	5,905
1,031	862	1,893	884	714	1,598	3,021	2,439	5,460
1,673	1,410	3,083	1,299	1,120	2,419	4,337	3,519	7,856
1,012	847	1,859	1,119	1,039	2,158	3,264	2,838	6,102
13	15	28	16	11	27	8843	39	82
		1218 EM		320 321	2,897	83118	anda	S Hounia
1,041	932	1,973	1,078	920	1,998	4,168	3,804	7,972
1,100	868	1,968	1,251	1,046	2,297	4,159	3,364	7,523
784	668	1,452	1,018	830	1,848	3,393	2,915	6,308
700	554	1,254	583	471	1,054	2,860	2,360	5,220
1,573	1,187	2,760	2,176	1,751	3,927	6,149	4,779	10,928
					2113	2,505		I2 Labore
1,021	700	1,721	1,193	871	2,064	3,542	2,607	6,149
1,665		Bat Lines	1,920	1,616	3,536	4,732	3,834	8,566
\$12   420	1,308	2,973	1,374	AAA STATE	2,629	4,249	3,550	7,799
1,091	885	1,976	200	1,255	1,658	10000	2,663	F 001
1,036	891	1,927	914	744	Page 1	3,218	3393	5,138
272		1,776	994	860	1,854	2,854	2,284	
989	747	1,736	810	693	1,503	2,889	2,287	5,176

1	2	4		5	-	6	THE	.7	/A.o	И 0 8	HOE
1	HEYBAR 1939.	ONE UND FIVE Y	ER	FIVE UND TEN Y	ER	TEN A	EEN	FIFT AND U	NDER	TWE	NDER
		1								UNI	BR
	A-RUBAL CIRCLES.		No.	KONTHS.	WELVE ME	rO <sub>1</sub> to		NTH SDING S.	NE MO	SIX-I	i.
No.	Carried To	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2	19	20	21	22	23	24	25	26	27	28
21	a A	1 8	18 4	18	2	-					
	Ambala Division-	81	15	1 6		81	12		II	9	1
1	Hissar	5,095	4,521	893	749	403	4 25	414	386	938	1,002
2	Rohtak	2,856	2,486	533	457	249	267	296	289	652	931
3	Gurgaon	2,328	2,113	642	563	357	324	343	287	572	715
(4)	Karnal 818.8.	3,081	2,903	671	557	309	296	343	280	893	962
5	Ambala	2,437	2,196	427	418	260	277	270	292	679	808
6	Simla CELC	12025	22	4	2	88 4	4	4	8	9	11
56	Jullundur Division	4,887	2000	20	0.41	1,299	88		1,410	1	1.01
7	Kangra	953	902	889	740	774	702	799	769	783	798
8	Hoshiarpur	3,158	2,897	360	378	237	343	342	346	571	649
9	Jullundur	1,599	1,370	335	268	225	205	236	223	395	434
10	Ludhiana	1,551	1,235	696	550	442	369	377	344	377	356
11	Ferozepore	3,172	2,722	620	524	370	391	514	542	844	885
1 8	Lahore Division.	2,860	100 A 200 T	1.00	7.1	2.176	100	2,78	554 355 ,187		700 21 2.5 1.5 1.5 1.5
12	Lahore	2,505	2,113	462	381	416	324	467	390	493	439
13	Amritsar	2,442	1,970	1,323	993	697	577	458	446	328	375
14	Gurdaspur	3,277	2,976	497	469	244	294	247	263	572	714
15	Sialkot 000.	2,941	2,638	461	376	282	270	304	291	506	514
16	Gujranwala	1,576	1,325	251	222	181	185	211	192	396	413
17	Sheikhupura	2,145	1,855	391	363	239	216	170	162	318	373
	2,287 5,17	g88,8	808	1 3	leal	810	1	1,78	747	1	889

8	9	10	0	1	1		12		. 2 1	3 1
UNDER	Y AND FORTY ARS.	FORTY UNI PIFTY	YEARS.	FIFTY UNI SIXTY	YEARS.	SIXT	AND		TOTAL (A	LL AGES).
		Fanale.				W	1400		HUBAL	
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Under one we	Female.	Male.	Female.
29	30	31	32	33	34	35	8	36	37	38
									ibniqlawa noisivi C	
806	900	904	753	1,105	828	3,441	ki	2,945	18,436	15,822
640	697	695	584	730	546	2,409	01	1,670	12,449	10,443
599	646	689	608	707	596	1,731	100	1,279	10,989	9,570
758	852	996	735	928	730	2,160	15	1,655	14,476	12,489
626	612	756	569	801	573	2,395	4	1,713	11,915	10,296
13	888 11	19	088 15	21	11	43		32	185	155
									The state of	
1399								-,57	an Divisio	In M.
811	819	832	873	884	914	938	1,0	887	11,831	11,208
682	563	1, 180	875	1,419	1,126	2,952	12.	2,229	15,040	12,770
375	342	437	385	647	515	2,590	18	2,238	10,232	8,895
309	331	408	468	836	783	592	1	412	8,448	7,208
739	646	863	683	1,094	766	2,098	8	1,553	16,463	13,491
776	titte	179	1913	3970	the		2		ant)	20 0)40
510	413	493	435	602	501	1,113		971	10,603	8,574
345	433	549	587	777	758	1,179	8.8	1,025	12,830	10,998
584	504	566	407	639	428	2,243		1,795	13,118	11,400
500	358	518	405	684	602	1,849		1,299	11,263	9,416
407	363	383	278	478	350	1,012		716	7,749	6,32
283	271	327	261	351	240	1,157	19	969	8,270	6,997

1	81 2		12			11 5		010	-	3
ess).	Total (all a	EATS	AND AND	1000	R Alks.	NOT EXCE	NER CRARS.	TENON INC.	FORTY RE.	
	A-Rural	-		М	ale.			Female.		
No.	CIRCLES.	Esmale.	Under one week.	.olalic	Over one week.	Total.	Under one week.	Over one week.	Total	Total.
1,	2	36	3	88	4 18	5	6	7,8	8	9.
18	Rawalpindi Division. Gujrat	17.0	425		500	925	391	378	769	1,694
19	Shahpur	177. 5	575		511	1,086	482	442	924	2,010
20	Jhelum	0	371	201	334	705	306	315	621	1,326
21	Rawalpindi	30,1	458		397	855	337	294	631	1,486
22	Attock	77.1	384	100	391	775	335	296	631	1,406
23	Mianwali	-	493	10.5	333	826	380	288	668	1,494
	Multan Division.	-								
24	Montgomery	18	1,042	le.	837	1,879	860	594	1,454	3,333
25	Lyallpus	2,93	1,167	10.5	724	1,891	1,033	697	1,730	3,621
26	Jhang	12,2		2,51	490	1,072	487	356	843	1,915
27	Multan	18	778	18	659	1,437	593	80418	1,041	2,478
28	Muzaffargarh	1,51	316	20,0	208	524	164	182	346	870
29	Dera Ghazi Khan.	da.	213		243	456	140	179	319	775
,574	200001 1	G.	1 8	1,1	703	1908	1881 V	8004	20000	-045 43s
100	Total for Rural Areas.	1,01	19,534	1	5,982	35,516	15,756	12,777	28,533	64,049
011	esgit o	101		12.5	V.808	980	1304 331	813	1898/01	7003 614
22	7,750	7	17 8	0.7	058	Pitto	1878 787	888	1888 49	204 412
700,	Ratio per mille	10	1	1,1	1 000	†/as	Total	rets 1	ort	icat bus

EXCI	MONTE EEDING MONTHS		BIAD	NOT EXC	X MONTI CEEDING MONTHS.		CHARRED	TOTAL					
Male.	Female.	Total.	Semale.	Male.	Female.	Total	Male.		Total.				
869	630	1,499		814	648	1,462	2,608	2,047	4,655				
994	759	1,753		775	705	1,480	2,855	2,388	5,243				
533	431	964	10	380	313	073 693	00.1,618	1,365	2,983				
612	460	1,072	22	288	277	565	1,755	1,368	3,123				
586	451	1,037	P.F	354	251	002608	001,715	1,336	3,051				
532	389	921	2	297	07271	0 568	1,655	1,328	2,983				
100 35	881		10	2223	8228	0100	tated on	2.131 1	placetty. Pf				
EG   17 01	200	20870	81	790	7500		EURO GS	8347 - B	pensilé Si				
1,416	1,018	2,434		1,267	992	2,259	4,562	3.464	8,026				
1,298	1,053	2,351		1,788	1,580		4,977						
672	566	1,238	TR	475	410		2,219		4,038				
1,013	731	1,744		919	675	1,594	3,369	2,447	5,816				
500	319			403	357	760	1,427	1,022	2,449				
490	404			375	266	641	1,321	989	2,310				
30276 82	707	inte i	85	THE	01901	11251	200 10 00	a malkad	20 Depa G				
28,034	21,987	50,021	2	27,235	22,527	49,762	90,785	73,047	163,832				
13 827 15.7	885.6	1 8.83 E	8143	208.813	108,63	13,073	149 32.20	for see.	A laval				
1	1	-			t	†	*174.70	*158.37	*167.02				

<sup>\*</sup> Calculated on births. +Population not available.

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1	2		4	. 5		6		7			
	.IAT.	ONE UNDER YEA	FIVE	FIVE UNDER YEA		TEN A UNDER TEEN Y	FIF-			TWEN AND UN THIRT YEAR	DBR
	A-Rura L Circles.	oile erek				THE WORLD		mair.	. 6		·
No.	LadoT	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1	2 2	19	20	21	22	23	24	25	26	27	28
18 33	Rawalpindi Division.		2,0	1,480	outs s20%	1814		10501	0880	008	
18	Gujrat -	2,149	1,961	410	349	247	246	191	203	488	535
19	Shahpur	1,922	1,677	375	394	221	232	204	224	396	519
20	Jhelum	912	1,007	200	229	165	176	136	144	281	438
21	Rawalpindi	1,049	1,066	470	470	262	249	255	252	247	244
22	Attock	1,292	1,151	316	323	223	194	185	166	435	444
23	Mianwali	829	742	275	247	197	186	206	200	274	330
(8)				25.2	992,	267		2,434	810.1	1.01	
24	Montgomery	-,		412	0420	257	283		273	488	614
25	Lyalipur	3,128	3,040	543	545	355	374	276	326	427	687
26	Jhang	931	813	90.334	322	316	325	302	269	401	408
27	Multan	1,944	1	615	485	375	343		384	498	540
28 29	Muzaffargarh Dera Ghazi Khan.	735 890	762	314	281	355 147	274 86	87	272 75	390 276	328
	18,889 283,81	85 4 7	F.00 15	Edfiel B	22.527	7.285	2	50,02	788,15	0.34	28
	Total for Rural Areas.	59.349	52,909	14,073	12,321	8,809	8,437	8,637	8,298	7	15,79
	Ratio per mille		-741.	†	†	+	1	†	†	+	*

+Population not available.

THIRT											
UNDER	FORT	-		ORTY A	FTY	FIFTY UNDER S YEAR	SIXTY	SIXTY AN UPWA	D	TOTAL (ALL	AGES).
Male.	Female.	Alon Manual Control	Ogge one	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
29	3	0		31	32	33	34	35	36	37	38
2113 305 280 18 295 14 460 08 261	8 38 3 38 3 74 1 18 5 1 18 1 18	442 420 405 304 450 297	25 TE 60 IS IL IS IS IS	426 363 287 356 362 254	413 298 248 317 338 204	580 409 387 483 426 295	438 328 288 451 319 256	2,094 1,378 1,366 1,512 1,286 450	1,502 1,010 1,154 1,143 935 347	9,616 8,428 5,632 6,684 6,700 4,696	8,136 7,490 5,454 5,864 5,656 4,137
334 354 484 480 369 363	2 15 . 2 15 . 2 15 .	523 434 347 518 344 333	10 10 10 10 10 10 10 10 10 10 10 10 10 1	480 350 369 540 425 315	391 322 335 487 321 237	570 413 409 600 468 304	410 338 303 417 331 181	1,271 2,020 1,097 1,242 744 716	978 1,510 866 837 596 356	11,154 12,823 6,732 10,045 5,624	9,656 11,939 5,807 8,114 4,259 3,590
305 305 3113,279 01 12	8 8	13,578	-	15,122	12,832	18,047	14,327 1 0 f g †	45,078		287,106	246,162

1	86 2 2	1 05	E .	3	11	-	01		9	3
Adus).	TOTAL (ALL		SIXTY	7772	Present and August Augu	TTYPS	APYTRO	To ben	TY AND	THEFT
-11			-					NE MON		
	В-	Towns			-					
	D-	LOWAS.			Male.			Female.		
				Under one week.	Over one week.		one c.	one c.		
No.	1 bla		smale.	Under week.	Over	Tota'.	Under one week.	Over one week.	Total.	Total.
- 19	2	2	12 K	3	100	5	6		8	100
1 88	70	lan	9010	SAL SAL	3500	2 000	18		8	9
	Hissar	District.								
1	Hissar			19	24	43	13	18	31	74
2	Hansi			17	13	30	18	12	30	60
3	Bhiwani			32	22	54	29	29	.58	112
801.4	Sirsa	01.592	1,000,0	7138	088	12	10	3	13	25
001.5	Budhlada	010/10	1872,1	8282	0031	8883	888	01	2	5
5,454	Rohtal	District.	30870	288	4880	8195	287	a01	0	28
1884	Rohtak	SECTION	21.671	24	19	43	0014	24	38	81
5,650	Jhajjar	1985	20832,0	10	8.14	24	15887	10	170	41
8,187	Beri	08.347	0312	11	10	21	1054	5	9	30
9	Gohana			5	2	7		5	5	
10	Bahadurgar		1720	5	12	17	3	5	8	25
11	Sonepat	0.03.00	0.90.3	17	11	28	0001	11	19	47
12	Mehm	013,510	700.7	808	3	388	989	7 18	. 5	9
13 111.8	Rohtak Civi	-	area	Vitte	000	187	oia	818	nei k	199
14	Gurgao Rewari	n District	1177	28	13	41	30	23	530	94
15	Palwal	nag	9150	15	12	27	13	10	23	08 50
16	Firozpur-Jhi			2		2		2	2	4
17	Hodal	(		6	2	8	9	6	15	23
18	Ballabgarh	01/34:522	81078	3	1106	9	22.4	83	78	18.27
19	Faridabad			1	4	5	. 1	4	5	10
20	Hidayatpur	Chhaoni		10	4	14	4	3	7	21
21	Sohna		3	2	+ 7	+ 9	3	1	4	13-
-							-	-	-	-

leidaliave

	8								4	1
NE YE	CAR.	×ss	Frere		atr				ONE	AND
AND N	ONE MO	EDING	NOT EXC	EDING T	WELVE		TOTAL.	Total	UNDER	
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
10	115	12	13	14	15	16	17	18	19	20
		1						istricts	3 yearts	-
50	38	88	2143	53	1196	82 136	81 122	258	123	145
0943	8133	8 76	35	9 30	65	12 108	80 20	201	74	80
85	8874	159	80	85	165	18 219	217	436	212	214
17	8 18	7 35	8 9	16	0 25	01 38	0 47	85	43	46
8 6	1 5	1 11	8 4	8 7	11	13	14	27	18	E 3
								istrict	Robink D	
81	8847	128	1160	43	103	22 184	128	312	94	106
26	9 18	0744	17	19	36	67	54	121	43	58
24	8 15	8 39	21	E 16	37	8 66	40	106	44	56
11	9	20	- 5	11	16	23	25	48	5	10
22	14	36	22	10	32	61	32	93	24	25
35	26	61	8 41	8 41	82	01 104	86	190	91	74
EI 17	13	2 30	2 7	8 6	13	28	24	52	27	33
44	::		-		**		2	sould fiv	**	I. SI
**	_ 51	110	30	45	75	130	149	District.		
7859	18	34	21	13	34	64	54	110	91	71
2116	6	14	2	3	7	14	11	118	18	38
8 8	5	13	11	10	21	27	30	** 10 30 31 31 32	and and	0 10
8 10	6	21	9	5	13	32	18	50	- romer	24
15	10	21	11	4	15	97	19	1	- Bushes	818
7 11	8	17	8	5	13	91	-	-	10	1 81 8
9 20	0	8	I	111	8	0	17/2	Aromin	20	0.25
2 4	4	1 2 0	2 9	1 3	8	8 18	10 11	29	20	117

1	2	5		6			7	8	3
277	B—Towns.	Five UNDE		TE AND UN FIFTI YEAD	DER	FIFT AND U	NDER NTY RS	TWENTY AND UNDER THIETY YEARS	
	B-10WNS.			Mote			Penals	1	
No.	LatoT	Mala.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
1 (8	01 2 81	21	22	23	24	25	26	271	281
	Hissar District.						,		
1 145	Hissar 83g	221 18	081 25	8011	8a 9	8412	8815	8/24	0728
2	Hansi 102	80 20	21	8 8 8	08 9	8 9	8 78	8813	8120
3	Bhiwani	712 36	012 34	8812	ā818	08 25	0821	≥ 36	a846
4	Sirsa	74 6	88 10	8 25	DE 4	0 3	a8 7	81.9	11.17
5	Budhlada <sub>Y2</sub>	<u>1</u>	81 5	1.1	7 3	3	11 1	a 1	a 8
	Rohtak District.								
108	Rohtak gis	821 15	181 22	8017	84 15	0811	8218	7128	1834
88	Jhajjar	13 13	78 10	8 88	Q1-5	71 4	110	81 9	8625
8	Beri 801	04 11	88 16	TE 5	9183	12 5	08 8	ar 8	1217
9	Gohana	ae	82 2	ar 1	11 1	a	02 3	0 5	1412
10	Bahadurgarh	88 6	19 4	28 2	01.17	22. 5	88 7	b1 5	8 222
11	Sonepat	8 S	101 10	28 2	1126	1 5	18/4	02 12	8 35
12	Mehm	10 4	ag 7	81 1	3	2	08 2	1 13	71 13
13	Rohtak Civil Lines		.,						11
34	Gurgaon District.		on 98		-	600			
14	Rewari ere	16	15	5	5	5	14	18	@a37
815	Palwal 811	5	5	8	81 7	2	6	811	8 12
016	Firozpur-Jhirka	1	1 · 14	1	8 1	2	2	2	8 8
197	Hodal To	08 5	11	8	01 2	3	81 4	4	8 10
918	Ballabgarh	1 1	82	81 1	ă	2	5	0 2	7 316
0.19	Faridabad	1 1	27	2	3	3	12 1	01 6	1107
320	Hidayatpur Chhaoni	1	5	5	1	1	3	5	20
21	Sohna 02	3	3	3	5	2	2	*.	2

0			9			10		1		11		T		12				13	1
	01	RT	Y AND DER YEARS	0	For U	NDE	R		FIFT UN SIXT	DE	R			ANI			Total (	ALL A	ges).
-		1		1	Pemah			-		101	Me			1		ESCAN	VI—E	1	1
100	Male.		Female.		Male.	trest.	Female.	Le	Male.	MASK	Female.	- Security	Male.		Female.		Male.		Female.
-	29	1	30	1	31	1 8	32		33	1	34	1	35	-	36	0	37		38
	20	11	25		19		21		28		17		50		32	District	441		439
00	10		20	1	15	81	15 48	88	21 38	0.1	15 50	-	30 104		47 135		306 742		328 823
1.8	11		100		9	22	9	83	14	200	7	100	28		18		167	Sarri	160
12	4			01	2	88	1	80	8	88	3	85	2		4		47	Puni	56
44		85		81		12		21		10		1		-				D. de	
27	16		32	100	21	a	22	18	23	01.	13	8	82	1	50	010	481	That	440
13	7		13	100	9	a	10	0	11	ă.	9	E.	36	-	22		207	Pune	216 188
	. 8		8	-	7		14		9		10		27		26 5	Lines	190	202	53
	5		7	1	3		3		7		3		14		13	Dietz			102
0.0	4	1		30	7		5	48	12	28	5	27	28		23		273	Sun A	236
	7	37	9	1	4	81	4		5		13	22	20	1	19		102	Joseph	127
11	14	100		-	23						-	3						But	78
22		8		100	i		11											Sadi	88
90	5		1	-	12		23		22		11		67		55		370	Rup	397
	6	1	8	4			7		8		3		17		22	**	164	1021	162
87	3	el.		0	5		2		5		4		9		4		10-		104
900	3	98	1	01	4		6	9	8		4		15		12		70		78 7
1.	4 7		5	100	4	-	2	1	3	3	3		10		7		70		59
	-	1	. 8		6	**	2	-	9		3		15			nda n	100		99
	3	-	3		2		3		3		3		6	- Series	3		60		52

1	81, 2	21		11		07		ê	3
				Te		- Mary	232	TWANTE	INDER
-			W. S. D.	No		SDING ON	E MONT	H.	THOS.
	B-Towns.		-	Male.			Female.	1	
No.	Male.	nointeior.	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total;
1,88	78 2	88	3	4	5	6	7	8	9
	Wasse District								
eas	tantar - fab		03 25	71 11	28	12 12 1	01 10	as24	9228
828	Karnal Distri	ct.	08 21	81 B	12 0	3.5	or all	81 20	0120
22	Karnal		34	08 19	53	18	23	41	94
23	Kaithal		24	24	48	22	17	39	87
24	Panipat		29	34	63	23	26	49	112
25	Shahabad		9	10	19	12	13	25	44
26	Thanesar -	08	82 82	81 10	18	5	15 4	88 9	27
27	Pundri	22	88 1	5	6	01 5	2	81 7	13
28	Karnal Civil Lines	02	72	0.1		14		8	8
	Am ala Distr	int.	SE I				8 9	2	6
	Am ala Distr		15	8		1	8	6	g .
29	Ambala -	23	19	24	43	7	14	21	64
30	Jagadhri	61	23	11	34	18	9	27	61
31	Burya		5	- 4	9	1	1	. 2	11
32	Sadhaura		8	11	19	3	5	8	27
33	Rupar -	65	8	11 3	22 11	11	EI 4	71 15	26
34	Kalka	22	8 17	8 3	8 11	10	4	8 14	25
35	Ambala Cantonme	ent	15	3	18	10	9	8 19	37
36	Kasauli Cantonme	ent	1 4	1	5	0	1	1	8 6
37	Ambala Sadar Bas	zar	33	21	54	. 17	19	36	90
38	Sanawar	7	01 1	3	1	2	b	a	7 .1
39	Ambala Civil Line	g 21	11	3	9	2	0	8	8
800	(13)	-	0	6	8	8	5	8	8

		10		11		10		2 22	4	I
AND N	EAR. R ONE M	EEDING	NOT EX	SIX MON CEEDING MONTHS	TWELVE		Total.	Toras (a	UNDE	AND R FIVE ARS.
								-ENWOT-	a	
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
10	11	12	13	14	15	16	17	18	19	20
								District.	Karas	
28	20	24	2.25	23	01.0	B1 00 18		415	Karna	192
62	53	115	62	67	129	177	161	338	103	9
45	35	88 80	24	39	63	117	113	230	60	8
2 70	44	114	50	40	90	183	133	316	106	13
25	a 17	42	16	26	42	60	68	128	48	32 4
8	3	1 11	4	4	8	30	16	46	18	TE 1
8	6	14	8	. 11	19	22	24	46		88 1
								la District	denA .	
30	20	30	19	33	17	74 71	01	410	IndexA	6120
44	36	80	31	32	63	118	89	207	75	00 8
29	30	59	35	35	70	98	92	190	52	18 5
1 14	11	25	9	8	17	32	21	53	11	88 1
21	10	31	19	17	36	59	35	94	33	20 5
19	16	35	10	8	18	40	39	79	22	2
11	8	17	9	15	24	31	35	66	13	88
20	16	45	17	16	33	64	51	115 olas 9	3	3
1	1 48	2 2	50	52	102	162	136	298	73	06
58	48	106	12	18	0	102		1	ladma.	5
-		-						4	ewawaB	88
	43.		200	1 ***	1				3000	

1	2	1		5		6		7		8
AND R PIVE ARE.	TONU	JAE.	UNDE	R AND R TEN	UN F1F	AND DER TEEN ARS.	TWE	EN AND DER ENTY ARS.	THI	TY AND DER RTY ARS.
	B-Towns	-			Make.			1		
No.		3190091	Male,	Female.	Male,	Female.	Maie.	Female.	Male.	Female.
1	2	1	21	22	23	24	25	26	27	28
	Karnal Distric	t.								
22	Karnal	-	21	18	8	12	9	21	29	48
23	Kaithal	.18	18	21	120	13	4	11	10	35
88 24	Panipat Cas	.84	12	17	6	7	7	33	29	79
88 25	Shahabad	.881	4	6	00 2	5	4	10	11	21
26	Thanesar	.34	2	2	2 2	00	2	4	5	9
27	Pundri 4	.04	3	4	2		5	1	4	2
28	Karnal Civil Lin	nes	3	1	1	11	1	00 0	7	2
1. 10	Ambala Distri	ict.			123		***	***	-2-	
29	Ambala		17	12	7	11	8	15	24	28
<sup>28</sup> 30	Jagadhri	- 03	10	9	6	7	6	5	15	20
88 31	Burya	13	1	2	107	2	1	7	06 25	13
32	Sadhaura		11	7	4	4	3	5	8	12
18 88	Rupar		3	4	2	2	4	5	5	9
09 34	Kalka	- 88	3	3	2	8	3	5	6	10
35	Ambala Car ment.	nton-	6	5	4	7	3	11	6	28
36	Kasauli Car ment.	nton-	1	-	102	1	1	2	S 1	2
37	Ambala S Bazar.	adar	12	16	6	18	12	24	24	36
38	Sanawar				***					1
39	Ambala Civil L	ines								

8 :1	9	1	0	1	1	15	2	13	
THIRT' UNI FOR	DER	UNI FII YE	ARS.	FIFTY UNI	DER YEARS.	SIXTY AND UP	YEARS WARDS.	TOTAL (A	LL AGES).
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
29	30	31	32	33	34	35	36	37	38
23	26	24	15	23	16	62	50	479	464
13	8	17	15	11	11	55	37	309	352
16	29	27	27	27	33	104	95	517	586
7	12	7	12	11	7	46	33	200	218
6	4	11	5	12	1	11	12	99	61
3	10	2	4	2	2	21	9	os tonument	odlado8 78
5	2	1	1	1	·	1		20	S Jutog Co
								era District.	Kan
30	26	30	19	33	17	74	57	416	356
17	19	20	18	23	19	80	51	327	asmended 30
3	8	5	5	5	4	18	12	81	87
8	12	11	13	12	11	33	27	182	178
4	7	10	5	8	7	25	20	123	118
6	6	11	3	4	7	19	9	98	84
2	15	11	5	16	9	34	32	174	200
01		18	1 8	3	0	5	1	21	ensite H 16
1	2	-	2	3	2	0			B Dastych
18	33	13	20	27	17	64	58	411	U abuar 415
10	17	1	8	21	8	1		3	localita 1
-				19			1	on Tool	andedrab I
					-		-	e Civit Lines	2 Foundarp

1	2		81		II		01	0 3	
	Total (all ages).	ARS KDS.	NE EXTERNA DELIVER TABLE	7.20 7.20 7.20 7.20 7.20 7.20 7.20 7.20	EXCEEDI	Special Specia	WINOW WIND	THE	NDER
	B-Towns.			Male.			Female.		1.
No.	Male.	Penale	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
1	2	21	3	4	5	6	7	8	9
64	Simla District.	00 2	62	18	23	12	24	02 8	28
40	Simla -	90.	21	11	32	18	9	27	59
41	Dagshai Cantonment	18	3	3	6	211	7 1	2	8
42	Subathu Cantonment	g	-18	-2	2	"	.5	10.	-12
48	Jutog Cantonment  Kangra District.		-	"				18.	9
44	Dharmsala	57	74	17	88	2	08	26	08
TR	Jacob et	10	812	.81	8.1	2	0.1	013	AT 22
45	Dhar msala Cantonmen	t	88	1	3	181	111	1 8 1 12	84
SI	Hoshiarpur District.	20	2.5	7	a	18	1.0	4	
84	80	0	91	7	1 2.	8	11	0	
46	Hoshiarpur	88	14	17	31	11	14	25	56
47	Hariana		81	-4	5	2	3	5	10
48	Dasuyah	88	4	3	7		4	4	11
49	Tanda Urmar		11	12	23	03	12	15	38
20	Miani 8	**	1 9	3	12	3	4	7	19.
61	Garhshankar		-		-	-		-	-
52	Hoshiarpur Civil Lines		- 1		- 1	- 1	- 1		

		8				1				1 8				ō				4	
SCHI N	OT	VER NO	ONE T E	MON XCEE	NTH	0	VER	SIX	MO	NTHS	AN	D	THE RESERVE		Тот		OVAL (AL	ONE UNDER YEAR	FIVE
Name of	Male.	Pemole.	Female.	Waje.	Total.	Portrajo	Male.	Male	Female.	-Fomele.	Total.	Mark	Wale	- Arano	Famala.		Total.	Male.	Female.
1	10		11		12		13		14	-	1	5	1	6	1	7	18	19	20
																	aniah	Simis Di	
	101	20		17		37		16		15		31		68	0	59	127		23
1				2		2		1		1		2		7		5	12	Jones	
				9				9				2		3		2	Canton	James	1
1		1		2		3		2				- 4		3		2	1	utog Cam	
		1		2		3		2		1		3		3		3	intriot.	I same X	
			10														100	harman	44
		4	II.	2		6	1			3		8	1		03			samua 4	66
		8		1		9		3		2		5		14		4	18	8 6	2
																	District	apgraide	4
			0		load		11		2		14		221		-		.086	miralinis	
		24	2	27	10	51	1	33	13			. 62	8	88	-	81	16	9 74	62
		6	10	5	Pil I	11	8	11		9		20	19	22		19		1 13	
	10	8			2		118	11		6		17			1	15		15	
	0.5	21	11 1	8		-	1	15		11 2		. 26		59 25		34		3 22	
		1	1	. 7	1	14		. 6		. 1		4		20		10		7	
	H	-			1		1	1				1			1			ines	
	-	Andrew o	1	-	-	-	1		1		1				-				1

-				7777					
1	2		5		6		7		8
	B—Towns.	UNDE	AND R TEN	UNDER	N AND FIFTEEN IARS.	UN	EN AND DER Y YEARS.	TWEN	TY AND THIRTY ARS.
o <sub>N</sub>	2	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
-	at 1 81	17	10.	at.	14	8.0	118	1 11	OI
	Simla District.	late et							
40	187   31	6	3	18 5	31 5	22	12	39	40
41	Dagshai Canto ment.	on					1	0 1	1
42	Subathu Canto	on			1		4	1	5 8
43	Jutog Cantonme	nt	8	2		2	1	2 1	2
	Kangra District.	8	g	8	1	2	e	2	1
44	Dharmsala	1			3		2		5
45	Dharmsala Canto ment.	on- 3	1	1	8	1	2	1	1
2	Hoshiarpur Distric	t.		2				-	
	Hoshiarpur .	. 8	13	7	12	11	24	16	20
47	25 Sochtkenur	. 2	3	20.	92	88	5	12 4	5
48	did Maria bro	. 5	1	02	1	2	2	6	7
49	ST TRANSPORTER	7	7	3	4	11 1	2	4	8 6
50	0-1 1 1	. 3	2	95	3	2	92 3	4	12 1
51 52	Garhshankar . Hoshiarpur Civi		3		2	9	11.		1
02	Lines.		1			1		-:	-
1	THE RESERVE OF THE PERSON NAMED IN				700			1000	

8	9	1	.0		11	1	12	_	2	13	
	Y AND FORTY RS.	UNDE	Y AND R FIFTY ARS.	FIFTY UNDER YEA	SIXTY RS.	Al	YEARS ND ARDS.		TOTAL (A	LL AGES	3).
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.		Male.	Female.	1
29	30	31	32	33	54	35	36	1	37	3	8
41 2 836 92 04 1 7 05 3 18 82 13 82 11	23 011 22 1 8 1 21 8 01 8 01 3	33 1 2 2	7 08 2 7	24 81 1 81 1 81 3 12	9	28 4 11 8 81 3 81 7 5 81	12 1 5 1		32 28	Juliand Rortar Rortar Rabon Rabon Rabon Ruman Ruman Ruman Ruman	19
16 2 3 11 5	11 2 db 4 8 3	20 3 2 10 4	15 1 01 1 7	28 6 70 5 14	15 2 18 4 6 3	68 11 19 25	43 9 4	1	336 63 83 156 70	Ludhis	29 6 5 113 5
2	ε <sub>7</sub>	2 4	1	2	1	7	3	13	29		12

	1	2		18	0 1	f	7	10	8 0	3
-		31	LASE	YTER.	AND WE	FIFTY	CAND	zwio-ir-	UI	NDER
			.ed	ULWAR	No	T EXCEE!	DING ON	E MONTH		UNDER
		B-Towns.								
					Male.			'emale.		
	No.	Repr.	Remake.	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
	1	2	18	3	4	5	6	7	8	9
	- 3	Till 1 Til								
	881	Jullundur District.		283	9	45'	7	88	238	4D
	53	Jullundur		71	67	138	50	60	110	248
	54	Kartarpur		8 11	2 7	18	9 10	12	22	40
	55	Bungah		13	5	18	7	1	8	26
	56	Rahon		13	6	19	6	6	12	31
	57 58	Phillaur		9	5	14	4	4	8	22
		Nurmahal Nakodar		8	8	16	7	9	16	32
	60	Newspekaka		7	8	15	2 2	8	10	25
	61	Jullundur Cantonment		13	4	21 8	1	3	5	26 12
		Ludhiana District.				Ti				
	62	Ludhiana		81	72	153	72	75	147	300
	63	Jagraon		36	31	67	19	26	45	8 112
	64	Raskot 031		1 62	10	12		ent		11
	(Ripo	07		9	9	18	10	9	19	37
	65	Khanna		6	1	8 7	1	2	3	2 10
	Boo	Sarpus Brest		1	I	20			1	1
		MARKET AND RELEASED BY THE PARTY OF THE					-			

		1	1		0	0				T
- 9		-	1.0			33			4	
ONEYE	EAR.		Fireness		TEN	GNA S				
NOT E	NE MONE	NG SIX	NOT	IX MONT	DING	ARS.		Tonas	ONE A UNDER YEAR	FIVE
	1							OWNE	1	-
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
10	-11	12	13	14	15	16	17	18	19	20
								District	ubaullal	
28 35	88	E1 00	35 35	18	88		38		Jellundun	
01	2	8	1	3 11		h	8		Martappa	200
92	94	186	100	118	218	330	322 56	652	175	30
17	14	31	16	20	36 15	51 31	20	51	15	1
8	8	16	10	3	16	40	23	63	19	2
13	7	20	6	11	17	33	26	59	15	1
6	8	8 14	11	11	22	33	35	68	21	1
12	10	22	18	17	35	45	37	82	49	4
8	10	24	10	10	20	45	25	70	20	
11 2	18	8 5	4	1 3	2 7	14	10	24	6	
0	1	1		9				Canton-	mbenth	
		1							disease.	
								District	ancidbo.	
104	69	163	90	72	162	347	278	625	189	19
	01	0.49	36	25	61	124	91	215	75	6
21	21	042	30	1 40			000	36	98	2
16	12	28	15	2 7	22	49	38	87	26	
10	7	817	5	1 3	8	22	13	35	13	

1	2			5		6				3
av	BT	owns.	UNDI	E AND ER TEN ARS.	TEN UNI PIFT YEA	EEN	FIFTEE UNI	ER NTY RS.	TWENT UND THIR YEA	ER TY RS.
oN 1	2	Joint Total	Male.	Female.	Male.	Female.	Male.	95 Female.	Male.	Female.
53	Jullundur Jullundur	District.	33	26	13	31	24	43	38	82
54	Kartarpur	280	3 220	4	812	4	1	6	4	10
55	Bungah	107	83 1	18 2	88 1	02	81 2	2	b1 1	3
56 57	Rahon Phillaur	88	02 82 5	01 10	4! ni 1	2	2	912	4	8 12
	Nurmahal		82 3	88 1	17	1 2	11 2	M 8	8 4	81 32
59	Nakodar	88 ahr -	78 32 12	10	38	3 01	81 3	3 3	10	8
60	Nawanshal	ir	2	4	7 2	8 1	1.	3 3	2	2 11
61	Jullundur ment.	Canton-	ipi.			2		4	1	9
	Ludhiana	District.								
62	Ludhiana	626	76	78	29	43	29	42	36	64
63	Jagraon	212	23	23	20	16	867	9	125	16
64	Raekot	1.8	88 7	4	3	2	AL.	821	215	814
65	Khanna	35	81 1	82 6	1	8 1	8 5	713	1 4	012

9		10	0	1	1	1:	2	1	3
THIRTY UND FORTY	Y AND	UNI	Y AND DER YEARS.	UNI	Y AND DER YEARS.	SIXTY AN UPWA		TOTAL (A	all ages).
		Panale			Male				
Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
29	30	31	32	33	34	35	36	37	38
									Ferr
35	MT 41	62	33	18 69	39	206	157	985	980
3	31 7	7	7 2	11	3	26	32	130	154
2	18 14	1	2	3	71 1	20	9	77	55
28 91	32 36	Sies	1104	11.88	02**	81 10			estifision 01
00 No	5	4	8131	78 11	4	98 19	12	101	8
2	18 2	8 2	81 1	6	5	15	11	85	mind A 7
6	4	2	1 1	8	6	19	15	98	9'
2	8	6	2	5	6	33	19	168	14
3 3	278	201.4	081 6	2	20.2.4	19	13	99	7
12121	8 4	2	4.14	81 2	0 2	21	- 9	47	ameno 4
1015	6307	22 10	7215	2910	08/5	32 18	170	- 381	7 Kaster
	gi s	18 15	on	0 17	8 30	8 3	24	Respi	menzi 8
34	52	44	01 53	104	124	81	73	969	1,00
13	16	17	9	46	34	19	29	349	30
1215	01 3	8 17	7.8	11 23	13	17	7	135	Modern 9
02 9	5 0	8	10	81 0	8 2	7 28	1 0	- 44 103	S Sal-Sing
1	3	6	2	11 4	6	7	7	demonsor 64	orode I 5

	1		1	-		-			
1	2								3
	1	-	1					U	NDER
			VERM	2000	AND	Presin	TE AND	THEOD	C AND
	TOTAL (AM. LOT		Wan		T DYCEE		MONTH.		THEFT
					Legacia	DIAM DAV			
	B.—Towns.			Male.			Female.		
			- Pe	9		ne	9		Total.
	4		er ol	r one	-1-	Under one week.	r or	4	Total.
No.	01618		Under one week.	Over o	Total.	Under week.	Over one week.	Total.	of all
1	2	31	3	4	5	6	7	8	9
_				1		1	1		
	Julionder Diengies								
	Ferozepore Distric	t.							
66	Ferozepore	781-	38	23	61	43	20 33	76	137
67	Zira		4	7	11	10	5	15	26
68	Dharmkot	83	9	8 5	14	2 7	8	15	29
69	Muktsar		24	17	41	19	5	24	g 65
70	Fazilka		19	20	39	11	13	24	63
71	Moga	81 -	29	8	37	12	6	18	55
72	Abohar	it.	11	8	19	18	9	27	2 46
73	Jalalabad	.,	10	4	14	13	6	19	33
74	Ferozepore Cantonne	ent	81	3	3	1	3	4	7
	Lahore District.	19	33	8	a l	8	8	8	
	Laudie District.	2	1	1 2	133		1	. 1	
75	Lahore		227	246	473	180	192	372	845
76	Chunian	0	10	2 6	16	4	2 4	8	24
:77	Kasur -		26	29	55	27	22	49	104
78	Khem Karan		8	9	17	10	3	13	30
79	Patti ese	**78	20	11	31	10	9	2 19	18 50
80	Baghbanpura-Bhogiw	7al	4	7	11	8	9	17	28
81	Ichhra	92	3	4	7	1	71 7	8	15
82	Pattoki Mandi	7	71 3	8 18	22 11	. 7	3	8 10	8 21
83	Sur Singh		7	6	13	4	3	7	20
84	Lahore Cantonment		4	7	11	3	3	6	17
		-	-						

8	9	+	10	i	u j	13		8	12.	1
NE YE	AR.									
	ONE MONT EXCEEDI: MONTHS	NG SIX	NO	SIX MONT OT EXCEE ELVE MON	DING	GRARE DER TEN BAHR,	TOTAL.	Poreh	ONE UNDER YEAR	FIVE
								lexwol	8	
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
10	11	12	13	14	15	16	17	18	19	20
								era Diarria	Ferotep	
01 16 50	02 40	90	64	40	01 104	175	156	331	116	88 96
8	3	8 11	5	5	10	24	23	47	14	70 1
11	9	20	0	8 17	2 29	37	41	78	31	88 2
19	19	38	38	37	75	98	80	178	46	2
31	34	02 65	34	34	68	01 104	92	196	51	5
35	27	62	31	30	61	103	75	178	54	4
27	25	52	33	24	57	79	76	155	45	2
7	12	19	9	8 3	12	30	34	64	11	1
7	8 7	14	7	3	10	17	14	10 Canton	9	27
								District	Lahoye	
447	426	873	460	394	854	1,380	1,192	2,572	807	91
14	4	18	16	9	25	46	21	67	28	012
55	37	92	71 45	EI 40	85	155	126	281	98	9
8 7	8	1 15	11	9	20	B 35	30	65	16	2
23	17	9 40	2 5	8 21	46	79	57	136	47	074
16	16	32	19	8 24	43	46	57	oda 103	40	083
7 -6	g 5	2 11	5	8 3	8	18	16	34	12	181
1 11	8 6	2 17	8	. 7	1 15	30	23	. ihm 53	150	1
8 9	1 3	2 3	g 16	6	1 12	28	16	44	anie III	
1113	B 12	25	a 16	7 13	29	8 40	31	noise 71	16	188
		1	1			Franks.			*onom	

1	I	2		5	1	6		7		8
_	1		1		1			-	1 93	avano
	A STRO		UND	E AND ER TEN ARS.	UNDER	N AND FIFTEEN EARS.	UNDER	EEN AND TWENTY	Twen	NTY AND
	В.—	Towns.			Make -		7	male.		
No.	olale	Total	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
08	er.	2 81	21	22	23	24	25	26	27	28
	Ferozepe	ore District.							1	
66	Ferozep	ore	29	27	10 10	22	24	00 19	29	40
01 67	Zira	74 47	5	1	01 71	1	a 40 1	5	5	5
68	Dharmk	cot	6	3	02 5 2	3	6	2	6	3
78 69	Muktsar	87L 178	6	9	an 4	10 5	3	88 7	13	18
70	Fazilka	30196	6	10	3	9	5	20	29	21
25 71	Moga	178	14	10	105 9	02 7	9	7	27	14
72 72	Abohar	3 165	7	6	78. 5	5	7	23 57	9	17
1.73	Jalalaba	d	2	s m	91.	2	3	2	2 2	2
7 74	Ferozepo ment.	ore Canton-	2	2	2	1	3	3	3	6
	Lahore	District.								
75	Lahore	2. 2,572	172	165	125	199	174	254	415	442
76	Chunian	70	4	4 10 4	1	1	81.3	3	5	9
77	Kasur	182	23	28	a 11	12	17	18	24	40
78	Khem K	aran	2	3	0.00	0 1 1	4	1	6	8
79	Patti	881 186	3	5	022	3	2	9	9	12
80	Baghban giwal.	pura-Bho-	a	12	2	3	05.4	4	9	913 9*
81	Ichhra	18	3	4	2	3		2	3	0-187
82	Pattoki I	Mandi	2	B	1	111	1	71 2	3	101
83	Sur Sing	h	2	2 -	1	0 10	3	4	8 1	0 3
84	Lahore ment,	Canton-	5	3	2	5	31 85	4 25	6	8511

0 1 10							0	10		
THIRTY AND UNDER FORTY YEARS.		FORTY AND UNDER FIFTY YEARS.		FIFTY AND UNDER SIXTY YEARS.		SIXTY YEARS AND UPWARDS.		TOTAL (ALL AGES).		
Male.	Female.	Male,	Female.	Male.	Female.	Male.	Female,	Male.	Female.	
29	30	31	32	33	34	35	36	37	38	
go I	811	112	31.5	0.0	hin	6 10		2 18	18	1 20
18	.21	44	20	40	34	64	61	549		496
2		6	4	5	1	6	4	which were of the	A	54
'4	3		2	2	3	15	8	109	Contract of	91
00793	102.6	10	gar 5	809 10	6 156	26	14	219	Sinonk	177
9	18	21	9	18	8 11	21	22	267	ibass.	194
10	8	11	10	19	3 11	32	23	199	Trees T	184
3	12	3	5 2	2	2	9	3	65	nuties-	59
2	2	2	. 1	4	2	6	6	50	Minist	0044
							.51	chargur Distri	0	
341	280	345	194	310	a 155	0 736	542	4,805	Gurda	4,338
5	5	4	7	7	5	16	18		Dina N	97
18 23	20	27	10	15	31	0177	64	470	Pathar	447
2	1	.4	. 3	2 3	1	6	. 14	78	rodince	83
18 3	88 3	02 1	0 10	51 6	6	20	23	182	Estela Uses B	165
01 3	8 9	8	2 3	8 19	8 2	8	10	280	Parebe	78
2	-	1	2	8 1		8		50	cadian	52
2	2	3	3	1 3	1	6	5	64 Civil Line	Gurdas	48 56
10	5 7	3	1 5	3 5	1 2	13	17		Dalbon	102
7	1 5			2	8 8	10	4	Cantonment	Baklob	101

				zilz 1					
-	18	0	,			0.1		6	
-1	2		!						3
.(8).	Total (all age	VEALS	SIXT		THIN	T AND	FORT	ZIMOS !	INDER
				N	OT EXCE	EDING O			13697
	B.—Towns.			Male.		1	Female.		
			- pe	96	1 6	eu	oue .	1 de	3
Number.	Mole	Formale.	Under one week.	Over one week.	The same	Under one week.	THE BAR	1.9m	Total
Nur	70	82	Und	Ove	Total.	Und	Over weel	Total.	Tot
1	2		3	4	5	6	7	8	9
-	Ferozopore District.				1			1	1
4.06	945		10	18.	04	02	10	12	18
	Amritsar Distri		0	I	ŏ	1	19	20	2
16	.001		1.5	8	20	2		8	F
1785	Amritsar	. 14	82241	8 155	01396	6 169	01135	0 304	€ 700
10.86	Majitha 88	28	18 3	11 3	81 6	0 4	12 5	81 9	0 15
1087	Jandiala	23	28 3	8 6	01 9	8 5	11 -1	8 7	01 16
18884	Tarn Taran	81	82 3	11 2	8 5	01 1	81 3	12	8 9
0.89	Sultanwind	8 2	9_4	2 7	8 11	8 6	8 3	1 9	8 20
90	Amritsar Cantonmer	ata r	8 3	22	1	13	2	23	22
	Gurdaspur Distr	ict.							
91	Gurdaspur	245.	8 786	64.5	01/14	1011	34E 1	08812	1 26
792	Dina Nagar	81	1.16	6 4	7 4	7	1	8	8 4
7.193	Pathankot	18	7710	18 4	6T 14	01 5	72 12	0217	82 31
94	Dalhousie	41.5	0 1	1	2	8	1	1.0	2
8 95	Batala Set	28	2820	25	0 45	16	20	36	81
96	Dera Baba Nanak	86	08 4	2 3	0 7	8 2	8 1	3	10
97	Fatehgarh	-	8 3		3	2 1	4	5	8 2
98	Qadian	a :	0 2	1	3	8 1	8 1	2	2 5.
99	Gurdaspur Civil Lin	71	81	1	8	1.	8.	9.1	4 6
100	Dalhousie Cantonme	er,	ăt a	8 1	1	5 6	1	4.	01 1
101	Bakloh Cantonment	1	4	3	7				7
				-	1				

						13			4	LI
OVER ON NOT EX	OAR.	TH AND	NOT		ING	GRA STREET	TOTAL.	**************************************	ONE AND UNDER FIV YEARS.	
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
10	11	12	13	14	15	16	17	18	19	20
		1		1	i			District.	Amrittan	
208	722	008	eti s	200	38 10		119	. 8,	Amilton A	186
8	0	0 -	8	18	11		12		aluibast.	78
352	276	628	344	344	688	1,092	924	2,016	757	800
15	8	23	9 18	1113	31	11 39	81 30	69	25	1
15	.18	33	.18	2 12	30	42	2 37	-nodn 79	20	2
15	. 6	21	18	11	29	38	21	59	17	1
13	10	23	22	14	36	46	33	ssimire 79	WILL STREET	2
	1.		1	1	2	1	1		ndavp.J.	
1	1	1			41 -		-	1	Dina Nas	
			4				1 3		Pathunko	
9	11	20	8	13	21	31	36	67	21	1
01 2	20 1	31 3	01 3	gr.	7 3	9 20	22 1	10	5	
14	9	23	8	12	20	36	38	74	28	2
	1		1		1	3		1		50
45	39	84	57	46	103	147	121	268	143	14
9	8 7	2 16	9	8 8	17	25	18	43	Author	80
1	3	4	4	12	16	27	16	GAEO J	quality 7	90
12	5	17	12	9	21		10	Canton-	17	0.0
	li v	1	-:"	-	1. 4	1	,		ment.	
1	5	6	3	5	8	11	10	- notaso <sup>2</sup>	dolde i	10

1	2		5 6		6		7		8
51.83	B.—Towns.	UNDE	ARS.	CMA 8	FIFTEEN	UNI TWENTY	YEARS.	UNDER	Y AND THIRTY ARS.
Number.	Jake.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
-1	2	21	22	23	24	25	26	27	28
	Amritsar District.					1 81	1 21		1 0
85	Amritsar	119	142	93	200	119	200	227	298
86	Majitha	11	10	8	8	8	5	5	11
87	Jandiala	12	13	11	8	3	6	5	3
88	Tarn Taran	120 9	12	8	7	6	8284	0784	3
89	Sultanwind	18	11	187	8111	9	8	5	31 5
90	Amritsar Canton- ment.	2	SF 3	08 1	<b>11 2</b>	81.	88 1	118	ō.j.
31	Gurdaspur District.	22	300	92 3	III 4	81	12	8 .	
91	Gurdaspur	3		2	2	1	88	3	9
92	Dina Nagar			1	1			1	3
93	Pathankot	2	6		2	2	7	6	12
94	Dalhousie	1	18	12			1	3	1
95	Batala	22	20	7	15	10	16	22	40
96	Dera Baba Nanak	88 2	1	02	21 12	8 2	6	2	111
RNE	Consta Goo	121 2	7 5	809	86.43		10	98 3	84.0
97	Fatehgarh	2 2	25	PI -	8 3	0	01 2	6	-
98	Gurdaspur Civil	20		36	21.	4	2	8	3
99	Lines.	16	27	12	9	12	71	8 0	12
100	Dalhousie Canton- ment.				1				
101	Bakloh Canton- ment.	1 10	1	-1			1	1 3	7

vil vil

8								. 6	1
RECENT	9	1	0	1	1	1:	2	13	
UNDER	Y AND FORTY ARS.	UNDER	Y AND FIFTY ARS.	FIFTY UNDER YEA	SIXTY	SIXTY AND UP	YEARS WARDS.	TOTAL (ALL	ages).
Male.	Female.	Male. or ore	Female. r one	Male.	Female.	Male, reger one	Female.	Male.	Female.
29	30	31	32	33	34	35	36	37	38
dig :	2080	1817	ok! 1	doy	8 12	EA 1888	11	640 dollar	
168	179	213	130	209	109	594	482	3,591	
6	11 3	6	3	4	5	1	4	113	
6	7	3	6	6	6	5	3	112	
5	3 7	8	11 8	5	7	5		C slave 134	115
18 1	32 1 2	1	M 7.		e 7.	g 171	1	Mary 8 min	
pg 15	8 18	p 34	12	21 10	23	49	- 10	Thiderita?	
2	3	3	2	5	2	21	5	92	77
2	1	2	1	3		9	2	32	13
10	7	10	1	10	2	18	12	122	112
		5				1	1	13	
18	22	19	17	22	12	100	70	510	476
DI SI	2	7	2	3		10	15	68	
01 7 1	1 4	1.18	2	3	14	9		stirquidadi	
6	4	2	2	1	1	15	8	79	-
pr 9.	H 5.	1.						sugida	u airi
23 7	1 3	10 10	1	-8	17	2	1	40 daime	0210
1 "	1		1	1	1		- 18	37 april	
- 2	2	2	- Care	1	1		2	sout I livi 23 day	26
	1		1			1		1	

-				111					-
1	2			- 0				-	3
	61	5		1		0		U	NDER
-(8)	TOTAL (ALL AG)	TEANS WARDS.	SINT	No		EDING ON	E MONT	HOHI .H	TRIBLE
	B,—Towns.			Male.			Female.		
Number.	.oí	.ofste	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
1	2	83	3	4	5	6	7	8	9
	2.0	88	02	RG I	86.	26.	18	08.	- 02
100	Sialkot Distri		42	04	100	-0	54	704	010
102	Dagles		5	64	106	50	94	104	210
103	Pasrur	281	90 3	201 2	002 5	4 2	8 212	10	12
10105	Narowal	11	6	6	12	6	5	11	15
70106	Chawinda	8 19	2	6	8	9	1	10	18
8 107	Sialkot Cantonne		1	3	4	6	1	7	11
olie	Gujranwala Dis		12	7	19			5	
108	Gujranwala		21	- 26	47	16	22	38	85
109	Wazirabad		4	8	12	2	6	8	20
110	Eminabad	-		3	3		3	3	6
111	Akalgarh	T	6		6	1	2	3	9
112	Hafizabad		7	10	17	8	6	14	31
8 113	Sheikhupura Di Sangla		2	2			3	3	1
114	Sharakpur		5	8	13	7	4	11	24
115	Nankana Sahib	70	10	3	13	3	1	3	16
116	Shahdara	ar 3	4	4	8	6	2	8	16
80 117	Sheikhupura Gujrat Distri		4	2	6	4	]	4	10
118	Gujrat	91	11	14	25	12	12	24	49
119	Jalalpur		. 2	. 5	. 7	. 4	8	12	19
120	Kunjah		2	3	- 5	7	10	17	22
121	Dinga	-	2	2	4	3	2	5	9
122	Gujrat Civil Lines	4							-

									4	
NE YE	AR.	- 7	0	0		8.9		1		
NOT EX	NE MONT			X MONTH EXCEEDI VE MON	NG	SPEES 9 SPEES SPARY		Total	ONE A UNDER I YEAR	FIVE
Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
X	A	F	M	1	9	M	E	H	X	H
10	11	12	13	14	15	16	17	18	19	20
88	:58	26	38	88	88	88	12			1
118	:99	217	111	106	217	335	309	. 644	195	23
3	2 2	78 5	08 7	72 5	81 12	18	11	. 29	10	21
9	4	13	13	1 7	20	27	21	. 48	12	81
12	7	19	10	8 17	b 27	34	35	69	35	2
8 5	7	12	8 2	8 7	8 9	15	24	39	15	801
8 4	9	2 13	6	1 4	10	14	20	34	10	80
7 3	2		8	I .	1 8	10	18	ntoumen	O doullate	
55	48	103	49	47	96	151	133	284	129	12
16	18	34	12	10	22	40	36	76	29	90
01 7	5	12	2	3	5	12	11	23	of an load	01
2	1	3	2	1	3	10		15	tangland.	11
12	13	25	16	15	31	45	42	87	16	21
GI.			3	2	5	7	5	12	qud 2	S
4.	8	10	8	3	11	25	20	. 45	15	81
6	6	12	7	7	14	_ 26	16	. 42	9	0.1
5	7	12	5	2 3	7 8	18	18	. 36	100016	i či
8 7	6	13	. 6	.8	14	19	_ 18	. 37	16	03
8 20	8 00	69		30	56	90	84	174	76	171
39	30			8	8 17	81 24		100	A Branch	8
400		10		5	17	24			1	0
01	3	8 9			9	1 15		1 000		01
8 6	8	100	1	2 1	2 1		1			11

-	1					1	-		
1	2		5		6		7	AR.	SLY SING
SIX	ONS AN ONE STRANS	UN	AND DER TEARS.	Ten Uni Eifteen		FIFTE		TWENT	
	B.—Towns.		_	1		-	Simple-	-	-
Number.	.olale.	Male, emer	Female.	Male, orer	Female.	Male.	Female.	Male.	Female.
1	2	21	22	23	24	25	26	27	28
282	Sialkot District.	008	28842	719	801	146	1749	0804	sit
102	Sialkot	.40	81 41	21 18	27	30	37	45	8 70
103	Daska &	12 4	1 27	00.2	7 1	81 1	81 1	1 11	8 11
104	Pasrur	8 9	18 7	72 (6	71 3	01 4	81 1	V 14	21 2
105	Narowal as	3	1 4	9 3	3	2 3	13	7 107	8
106	Chawinda	02	61 1	01.5	1	8	81 5	0 1	1 3
107	Sialkot Cantonment	let	4	1	1	3	7	2	7
325	Gujranwala District.	188	181 91	8000	74.47	91-10	201	81-98	8855
108	Gujranwala	22	01 17	2211	26	21	28	81 37	ar 50°
109	Wazirabad	5	6	a 7	8 1	6	21 6	3 7	7 10
110	Eminabad	1	01 2	8 1	, 2	2 1	3	2	2 3:
111	Akalgarh	1	1	18 1	ar 1	1 18	82 2	81 2	21 1
112	Hafizabad	riet.	. 4	3	3	4	6	5	15
8,18	Sheikhupura District.	ā	2	2	2	8			
113	Sangla	20	в. 25	11.8	8	8 7	01 1	0 12	b E
114	Sharakpur	81	00- 26	1 1	7 3	77	1 12	0 1	8 11
115	Nankana Sahib	81 2	81 2	8 1	8 2	4 1	21 4	7 1	0 3:
116	Shahdara	81	21	1 1	80	0	81 1	0 1	3.
117	Sheikhupura Gujrat District	-	1	88.58	00.2	01.26	2	0824	8 89
118	Gujrat	14	2 13	3	8 15	8 14	19	8 18	8 31
119	Jalalpur	4	3	71 2	8 7	21 6	01.5	8 4	13
120	Kunjah.	1	1	0 2	1	86	3	8 5	0 5
121	Dinga	2	2	1 2	1 2	1	1	3	
122	Gujrat Civil Lines	1							7
	- again of the different		/	*	440				

8								13		
MAZE	9	1	10		11	1	12	13		
	Y AND DER YEARS.	UN	Y AND DER YEARS.	UN	AND DER YEARS.	A2	YEARS ND 'ARDS.	Total (ALL AGES).		
Male, oraș	Female.	Male, Asses	Female.	Male.	Female, s.F.	Male, suege	Female.			
29	30	31	32	33	34	35	36	Sahpur78meric	38	
01 08 45 83 02 3 83 83 83 84 81 1 1 4 182 01 1 2 11	40 40 4 7 3 3 2 4 34 2 2 1 5	33 4 3 1 4 4 31 10 2  5	27 12 2 2 2  1 9 4	38 14 21 4 38 14 4 1 8	23 2  1  2 19  6	110 10 111 14 11 10 81 24 8 5 24	3	927 51 86 107 51 51 549 146 39 21 114 16 57 46	923 39 71 89 65 71 513 106 43 115	
2 2 08 105	1 2 2 2 7 EI 7	2 2 8	1 2 4	. 2	1 1 1	9 8 7	5 7	41 60	42	
9 8 3 1	16 9 11 4	8 7 8 6	5 5	13 9 01 4 8 7	16 6 7	52 28 18 16	38 24 17 11	297 116 80 70	121 87	
		1		'		3		5		

1	2								3
	81 9			-		- 0		UI	NDER
	Total (all adm	ERASS DOCUMENTS	MAIN STANKIS	Non	r excee	DING ON	E MONTH	TOWN YOU THE	hant St Thiosi
	B.—Towns.		1	Male.			Female.		
Number.	B. Towns,	anie.	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
1	2	100	3	4	5	6	7	8	9
	Shahpur Distric	et. 188	368	38	-88	-88	218	-08	185
123	Shahpur		1	6	7	2	1	3	10
124	Sahiwal		11	7	18	7	5	12	30
125	Bhera	7180	15	14	29	13	11	24	53
126	Miani	8	01 6	4	10	7	3	10	20
127	Khushab	BI .9	13	8	21	9	4	13	34
128	Sargodha	·	24	14	38	8	10	18	56
129	Shahpur Civil Static	on	11.	1	1		1	1	2
130	Phularwan	81	OL 7	£ 4	11	4	1	5	16
131	Jhelum Distric		18 10	ercl	88 15	e 21	13	18 31	36
132	Pind Dadan Khan	81 18	10 5	5	16	8	11	21	31
133	Chakwal	81 8	8 3	11	12	4	5	15	1 18
134	Jhelum Cantonmen		3 113	9	12	1	4.9	1 2	1 1
134	Rawalpindi Dist		18 1	1	2		ō	a '6	1 15
135	Rawalpindi		74	69	143	77	61	138	281
136	Murree		2	1	3	4	3	2 7	10
137	Murree Cantonmen	t	9			e	1	1	6 .0
138	Rawalpindi Canton	ment	5		5	4	2	6	11
200	Attock Distric		16	1 2		2	2 1	2 1	47
139	Pindigheb		8	7	23	14	10	24	
140	Hazro		1 - 8	9	17	8	5	13	30
141	Campbellpore	88 15	29.52	2	2	2	8	81	2 2
142	Campbellpore Cant	onment	100	8	0	g	7	0 .4	8
143	Hassanabdal	41	81 6	4	10	3	8	11	21
144	Tallagang	11	81 1	2	3	1	8 3	4	7
122	Conjunt Springing		II go		1 44	1	I Kan	7.	*27

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	Male.	Pomolo	remale.	Total.	Male.	Female.	Total.		Male.	Female.	Total.	Male.	Female.
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	20		10	30	4	8	12	0	42	30	72	21	
	32	1	23	55	15	20	35	2	76	67	143	39	4
	11	2	9	20	7	8 6	8 13	0	28	25	53	26	1
	24		17	41	13	10	23	1	58	40	. 98	29	2
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	101	I	81	182	92	71	163		336	290	626	196	22
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	15	2	13	28	7	9	16		27	28	55	15	2
	24	24	285	0	00	.0	8	0	0-		di Canton	20	3
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	1		7	23	4	4	8	-	37	24	61	17	01
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	7		3	10	5	3	8	0	22	17	39	11	21
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St.A.J.A.	B.—Towns.	UNDE	E AND ER TEN ARS.	TEN AND UNDER FIFTEEN UNDER T YEARS. YEA			N AND WENTY	TWENT UNDFR' YEAR	THIRTY
Number.	Total.	Male.	Female.	Male, Lour	Female.	Male, grade	Female.	Male course	
1	2	21	22	23	24	25	26	27	28
123	B-TOWNS, Shahpur District. Shahpur	18 5	9	21 7	8 1	h	08 2	OL 3	20
124	Sahiwal	6	2	5	0200	1 1	1 1	22 4	8
125	Bhera	10	9	81 3	0 106	7 3	9 20	8	16
126	Miani	5	4	82 3	DIO 1	81 2	1 2	Vina 1	5
127	Khushab	5	8	El 5	12 3	8	78 07	8 8124	88
128	Sargodha	4	- 8	2 3	8	5	9	13	28
129	Shahpur Civil Sta-	11	1. 2	0	111	2 .	01.1	3 .54	8.
130	tion. Phularwan		1		0.000	11	00 1	1	81 2
111	Jhelum District		0 10	15.8	4	0		1 11	36
131	Jhelum	4	3	1 2	3	7	9 1128	15	11
132	Pind Dadan Khan	6	5	0 01	8 6	3	3	0 4	6
133	Chakwal	5	6	8	3	3	8 7	8 . 5	3
134	Jhelum Cantonment Rawalpindi District.	000 1	128.41	885	1	20:	281 1	1800 1	101 1
135	Rawalpindi	53	63	37	35	43	40	2 35	8 46
136	Murree	1	2	1	1		. 3	3	2
137	Murree Cantonment	1	25	81.	0	1	89	81 2	ar 1
138	Rawalpindi Canton-	1	6	3	5	7	6	24	10
18	Ment. Attock District.	58	10 10	01 7	200	0214	or SE	Heal	24
139	Pindigheb	10	9	8 4	6	8.	82 3	1, 12 5	11
140	Hazro	4	4	4	2 7	2 4	8 7	2 4	12
141	Campbellpore	1	2	.:		1	8	1	8
142	Campbellpore Can- tonment.	F	55 .A	8 2	8 10	9 .3	01 8	0.111	7 41 -
143	Hassanabdal	1	2	8 1	8 4	0 1	SI a 1	1 1 4 1	5
144	Tallagang	2	3	2	2	4	4	12	7

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	GES.	Total (all ages		200	SIXTY YI AND UPWAR	IXTY s.	FIFTY AUNDER S	IFTY 3.	FORTY AUNDER F	ORTY	THIRTY INDER I YEAR
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78		M	offil Diame	12	18	5	5	4	5	8	3
207		Wen	197	32	33	7	13	8	6	8	6
7		N. Ba	90	. 11	12	2	7	5	3	.5	3
11		1691	147	12	20	2	8	8	7	-5	6
24		Erei	271	28	36	12	22	11	17	19	24
		no M	15	1	6		1		1		1
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14		Sing.	170	21	23	5	11	9	12	9	18
10		190	96	11	15	21 5	3	02 7	2	9	10
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13			.33 at	20	38	11	lar l		12		1
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1			17	3	18 3	80 1	301	58 20 58 20	:3,119	000	2
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	TOTAL (ALL AGE	BBAS	NA YTER		PIPER A		FORTY A	JAND July	NDER
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	B.—Towns.			Male.			Female.		
Number,	Maje.	Est Remaio.	Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
1	2	21	3	4	5	6	7	8	9
1 99	Mianwali District.	8 18	81 8	8	a	1	ă	8.	8
145	Mianwali	82	88 3	7	10	2	5	8 7	E 17
146	Bhakkar		11	7	18	4	5	9	8 27
147	Isa Khel		02 1	2 7	8	1	2	81.3	11
148	Kalabagh	28	10	5	15	2	71 2	4	19
8	Montgomery District		8		1	1		***	1
149	Montgomery		8 8	6	14	17	5	22	36
150	Pakpattan	18	8816	a 7	123	9 8	6 12	8 14	8 37
151	Okara ao	11	ă (10	ă 12	8 22	7 20	2 7	8 27	d 49
93	Lyallpur District.	ar I	28	0	8	7	6	2	
152	Lyallpur		53	40	1 93	58	25	83	176
153	Gojra	104-	010	40.8	7/18	8 58	85.3	111	29
154	Tandlianwala	8	2 2		8 2	3	-3	6	8
155	Chak Jhumra		.3	.1	.4	-2	3	-5	9
156	Toba Tek Singh	01	891	2.	011	8 4	St	8 4	M 5
157	Jaranwala		4	11	15	4	8 2	01 6	821
158	Kamalia	20	16	11	27	8	8	16	43
	Jhang District.	11	181	1		8	3		
159	Jhang-Maghiana	8	51	55	106	36	42	78	184
160	Chiniot	1	31	32	63	24	26	50	113
161	Ahmadpur -	15	4	1	5	2	1	0	8
162	Shorkot	HI.	712	8	8I 5	3	8 2	5	10
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	13	1	15		28		8		5		13		36		24	rici	1.60	(19an	23	Mor	27
31		8		64		10		2		2		-		in the				como	Biu		
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13		36		1	13	83		1	59		10	100	35	101	17	-	52	one.			14
1 2	10	0	3		10		-11	27	9	-	20	1	20	8	18						105
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31		M		1	66	1			15	2.	35		113	8				100			56
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			UNDE	RTEN	UNDER	FIFTEEN	UNDER 7	TWENTY	UNDER	THIRTY
SER.	ONE AND U		YEA	Mo.	QNA SEC	ARS.	YEA SHYO		YEA MON MON	
	B.—To	wws	TOTAL		TWELVE	PHTHOM	28 70%	NIS DN	MONTES	
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	Mianwali I	District.							-	
145	Mianwali	all Distric	4	7	1	3	6	8	5	5
146	Bhakkar	00	02 1	3	1	4	ā 1	88 4	2	3
1147	Isa Khel		3	2	1	10	2	08	3	8
148	Kalabagh		19.0	1 44 4					01	7
	A STATE OF THE PARTY OF THE PAR		01 . 7	4	1	3		81 3	31	0 11:
140	Montgomery			10 10	61	103	8	82	15	10
149	Montgomer	THE RESIDENCE	5	7	4	5	10	2	9	14
150	Pakpattan	91	10	88 10	4	8	3	8 8	11 14	2 4
151	Okara	78	88. 1	8 164	2	1	1	82 7	6	0 7
	Lyallpur I	District.	84	05 10	61 75	01 22 3	0 20	11	8 97	0 50
	Lyallya									
152	Lyallpur	420	801 16	229 14	13	98 15	88 13	221 18	88 36	86 41
153	Gojra	52	3	38 3	01 1	3	3	81 4	8 5	01 5
154	Tandlianwa	da	3	02 24	02 1	9 2	11	01	8 8	7. 1
155	Chak Jhum	га	1	91 3	dI	0 1	0 1	0 1	8 2	3
156	Toba Tek S	ingh	81 3	9 2	7	8 1	1 2	1 7	8 1	1 3
157	Jaranwala	63	00 4	80	81 3	0 1	0	1 2	6	8 7
158	Kamalia	101	6	10 5	18   1	01 . 1	81 1	72 7	ar 11	EI 5
	Jhang Di	strict.					2			
159	Jhang Magl	hiana	781 20	001 16	21 13	TI 7	89 14	01110	21 17	88 24
160	Chiniot	214	101 8	811 15	88 4	11 15	02. 4	88 11	88 14	08 15
161	Ahmadpur	81	8 1	8 2	1 2	1	1 1	2	2 4	2 3
162	Shorkot	31	1 1	71 4	11 4	1	7	01 4	a 1	ā
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78	4	02	4	0	5	27	1		5		3		7	1	7		76	naitz	64
25	5		5		7	0	1		3		1	10	9	1	4		69	Shan	52
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	7		2	9	8	7	2	25	3	81	2	12	10		8		88		63
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			SERVE SERVE	NO.	LIDY A	LETERN CONT.	PARTIE CONTROL	AND	Tenance	UNDER
	HOA JE			WHO	N	OT EXCE	EDING O	NE MON	TH.	UNDER
	0				Male.			Female.		
		B.—Towns.								
Number.				Under one week.	Over one week.	Total.	Under one week.	Over one week.	Total.	Total.
1		2	-88-	3	4	5	6	7	8	9
163	Multa	Multan Distric	:t	113	139	252	103	132	235	487
.164	Shuja	bad		12	11	23	9	8	17	40
165	Mian	Channu	VI 1.	86 8	4	4	2	1	3	7
166	Khan	ewal		8	8	16	12	8	20	36
167	Kahro	or		7	8	15	3	7	10	25
168	Tulan	aba		2	6	8	5	5	10	18
169	Muita	n Cantonment		4	1	5	4	2	в	11
170	Muza.	zaffargarh Dist fargarh	rict.	81 8	4	12	2	5	7	19
171	Khan	garh	7	0 5	1	6	1 1	4	2 5	a 11
172	Alipur	or District.		8	2	10	3	2	5	15
173	Leiah			8	4	12	9	6	15	27
174	Karor	594	2)	60 6	01 4	10	4	5	9	19
175	Muzaf	fargarh Civil I	Lines	45.0	2	8	::		2	8
176	Dera (	Ghazi Khan D Ghazi Khan	istrict.	6	21	27	6	23	29	86
177	Jampi	ur		15	14	29	7	7	14	43
178	Dajal	22		12	13	25	7	9	16	41
179	Rajan	pur		2	. 3	5	2	7	9	14
180	Kot M	lithan	15	8	6	14	0 2	2 4	6	20
181	Tauns	за	70	3	1	4	1	2	3	7
108		Total for Town	15	2,365	2,115	4,480	1,888	1,815	3,703	8,183
88	Rat	tio per mille		†	†	4	81 +	0 †	†	1
E3	Tota	l for the Provi	nce	21,899	18,097	39,993	17,644	14,592	32,236	72,232
	Ration	io per mille of p		† *Calcu a	t	†	t	+	+	†

\*Calculated on births.
†Population not available.

	8		7		- 3		8		7	4	
0	NE YE	AR.	ONA HAU	AND WHILE	WAR	SACK TO SERVICE STATE OF THE S	OKA NV	CASIS LVI (Wer	701	E (ALC S)	0000
1	NOT	VE MONT EXCEED MONTHS	ING	NOT	X MONTH EXCEEDI VE MONT	NG	EASS.	COTAL.	88 WO	ONE AND FIVE Y	UNDER EARS,
-	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.	Total.	Male.	Female.
	10	11	12	13	14	15	16	17	18	19	20
	65	73	60-		102	19	179	149	daladile	(Balta)	13.600
1	181	137	318	161	157	318	594	529	1,123	183	231
1	11	9	20	8	7	15	42	33	75	18	15
1	3	2	11	2	3	5	9	29	57	6	9
1	7	3	9	5	5	10	28	17	49	9	9
1	2	4	6	9	7	15	. 19	21	40	4	14
-	4	1	5	4	9	13	13	16	29	initan C	5
	4		- 3			13	10	1 10	inid de	agradian:	M
1	13	5	18	3	8	11	28	20	48	10	1 011 1
1	8	4	12	4	7	11	18	16	34	1	171
1	7	3	10	7	7	14	24	15	39	8	2
1	13	5	18	11	6	17	36	26	62	12	9
1	6	1	7		5	5	16	15	31	4	5
	****				-	***			*****		
1	38	28	66	22	15	37	87	72	159	32	32
1	8	8	16	5	9	14	42	31	73	11	18
	18	15	33	12	7	19	55	38	93	13	15
**	12	10	22	10	2	12	27	21	48	7	8
1	4	4	8	6	9	15	24	19	43	3	5
	7	5	12	3		3	14	8	22	6	2
	4,014	3,242	7,256	3,642	3,360	7,002	12,136	10,305	22,4-1	7,098	7,246
	†	†	+	+	†	†	*176.20	*166.65	*171.68	†	†
	32,048	25,229	57,277	30,877	25,887	56,754	102,921	83,352	186,273	66,447	60,155
	1	†	1	†	1	1	174.88	159.35	167.57	39.63	37.00

1	2		5		6		7		8
	ONE AND US	UNDE	E AND ER TEN ARS.		AND FIFTEEN RS.	UN	EN AND DER Y YEARS,	UNDER	TY AND THIRTY ARS.
_	B.—Towns.		A	9 1	.1	2			
Number,	larje.	Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.
100	er 2 81	21	22	23	24	25	26	27	28
163	Multan District.	73	70	44	65	62	95	52	106
164	Shujabad	2	4	1	1	5	2 1	2	4
165	Mian Channu		1	1	2	1		3	3
166	Khanewal	3	2 2	1	1	2	8		1
⊤ 167	Kabror	1	5	2	2	4	5	2	9
168	Tulamba	2 1	1 0	1 00	2	1	4.		4
2 169	Multan Cantonment	1	3	10	1	0	2	6	6
170	Muzaffargarh District.								
170 171	Muzaffargarh	3	1	5	1	8	4	1	3
172		1	2	2	3	3	1	9	
173	Alipur 02			6	2	2	10	6	9
174	-	2	8	3	1 2	5	2	3	
175	Muzaffargarh Civil Lines. Dera Ghazi Khan	April 1		4		4			-
\$176	District. Dera Ghazi Khan	15	12	8 1	5	6	8	8	11
8177	Jampur	6	3	1	3	1	1	1	5
178	Dajal	3	4	1	1	5	1	3	7
179	Rajanpur	2	1	2	4	2	1	2	2
180	Kot Mithan		2	1 9	1			4	7
S181	Taunsa	2	1 4	4	2	3	2	3	5
7,246	Total for Towns	1,464	1,512	837	1,231	1,095	1,608	2,025	2,854
_ 1	Ratio per mille	7007	Ť	†	†	†	†	+ + -	†
	Total for the Province	15,537	13,833	9,646	9,668	9,732	9,904	15,952	18,645
87.00	Ratio per mille of population.	8.00	8.19	5.35	6.49	7.04	8.63	6.22	8.61
-								+Ponu	letion

esten 9	DOTE	ина и в	0	iz an	) HACK	Tarz.	2	SILI	ATH RAT	3	
UNDER	Y AND FORTY ARS.		AND FIFTY ARS.		Y AND SIXTY ARS.	SIXTY			TOTAL (A	LL AG	ES).
Male.	Female.	Male,	Female.	Male.	Female.	Male.	Female.		Male.		Female.
29	30	31	32	33	34	35	36		37		38
55 2 1 4 1 7 4 1 2 2 1	74 6 1 3 2  8 3  5	60 4 2 2 1 1 1 3 1 2 8	51 4 1 1 2  3 1 1 1 2 4 5	97 11  2 8 5 3 4 8 6 4	60 6 1 3 3 1 3 2  4 3	179 21 2 5 14 11 5 7 1 16 4	149 16  7 9 2 7 11 4 7 15 2		1,399 108 25 51 74 43 38 67 36 62 96 46	Hissa Role Role Role Role Role Role Role Role	1,430 90 26 64 61 48 54 49 30 42 90
 11 3 2 4 6 4 1,707 †	9 6 8 5 7 4 1,865 †	 12 4 1 2 3 7 1,905 †	11 5 5 2 1,399 †	20 5 4 5 2 1 2,268 †	9 4 3 1 1 3 1,511 † 15,838	5,563 †	30 14 9 8 2 2 4,297 † 38,919		258 85 110 58 45 51 36,198 †	Shall Man Muse Muse Muse Muse Muse Muse Muse Muse	199 90 91 53 42 30 33,826 †

## DEATH RATES OF INFANTS UNDER ONE YEAR ACCORDING TO CLASSES

.(0)						PIFTY UNDER VEA	NI.	FORTY AL	MORTALITY
1								Muhami	madans.
			DISTR	icts.					
								Number.	Ratio per 1,000
ber					2		- 0	Number.	births.
Number.							THE ST		Estata Main
1	78		88	2	18	88		3	0g 4 gg
							_		-
025,1	908.6	A	mbala	Division.			18	00 0 00	200.44
2	Hissar Rohtak	::		70		0	::	2,565 997	230·44 159·39
3	Gurgaon			12				1,860	140.89
5	Karnal An bala	::	:	5			1::	2,776 1,941	211·81 173·47
6	Simla			8				26	128.71
100	The same	Juli	lundur	Division	8		2		
7	Kangra			. 5.	2	8		260	161.79
8	Hoshiarpur			11		1.0		2,687	181.05
10	Juliundur Ludhiana	1	.:	9 .		:	8	3,239 2,429	161·34 200·00
11	Ferozepore							5,536	202.81
	wastis with Dian	T.	ahore	Division.			1		
08 10	08		anore.	D. Vision.				1 - 00-	140.00
12 13	Lahore Amritsar	::	::				•••	5,305 5,535	140·03 201·52
14	Gurdaspur	7		7		13	E	3,832	142.60
00 15	Sialkot Gujranwala		1	01' .		.0		3,415 3,969	108.49
17	Sheikhupura	:						3,687	163.64
	Carrow O.						G	2	0
		Ra	walpin	di Divisio	n.				
18	Gujrat							4,361	122:44
19 20	Shahpur Jhelum		••			0		4,863 2,931	158·48 145·47
21	Rawalpindi	(	18	50		20	T.	3,207	152.80
22 23	Attock Mianwali			11 .			s.	3,100 2,854	139·92 162·25
20	manwan	**	-	000	. 3			2,004	102 25
	and the same	M	ultan	Division			0		3 7
24	Montgomery			0		5	2.	5,113	134.02
25 26	Lyallpur Jhang	8		E .				6,147	164.65 155.39
27	Multan	::						4,001 5,676	139.97
28	Muzaffargarh			1	14			2,352	112.69
29	Dera Ghazi Kh	an	02,0	-6,553	1,511	885,5		2,448	154.16
	1-	THE					1		
288,0	323,301 2			Total	15,838	20,315	•••	97,112	154-18
- OLADO	1.00.10		10.55	50,00	66-90	10.00	Til.	PH 09-01	7 F- 0 F - 1 0 7 7 7

No. IV-A.

# IN THE DISTRICTS OF THE PUNJAB DURING THE YEAR 1939.

UNDER ONE YEAR.

H	indus.	Christ	ians.	Other	classes.	
Number.	Ratio per 1,000 births.	Number.	Ratio per 1,000 births.	Number.	Ratio per 1,000 births.	Number.
5	6	7	8	9	10	
Esm)	Mary Belli	No.	San H	A STATE		
6,191 5,826 4,254 6,180 5,206 188	218·46 164·84 170·30 200·08 226·13 205·69	1 1 1 4 10 13	142.86 66.67 90.91 153.85 93.46 216.67	↔ 3 .: .: .:    	* * 833.33	THE PERSON
7,748 5,222 4,244 3,725 6,470	278·67 177·71 174·83 182·66 213·42	7 1 13 13 13	60.87 6.45 317.07 43.77	   15 167	87·72 137·33	1
3,455 5,143 3,968 2,989 1,274 1,409	179·53 185·98 183·61 179·95 189·27 156·83	436 123 403 324 335 227	153.09 120.35 169.04 93.45 124.12 83.52	379 69 155 16 45 25	99·53 104·39 398·46 123·08 261·63 57·47	1 1 1 1 1 1
576 860 250 582 212 345	108:39 158:52 127:10 140:00 127:86 139:90	15 91 2 19 1	157·89 153·20 100·00 87·56 250·00 71·43	6 22  15 	117.65 201.83  365.85	1 1 2 2 2 2 2 2
2,665 2,489 631 1,447 311 300	189·62 135·79 113·45 157·11 109·39 129·98	201 573  50	161·57 215·01  98·81	280 844  33	215·38 660·41  78·57	2 2 2 2 2 2 2 2
84,160	187.07	2,855	134.09	2,136	203.28	

different age periods and by classes in Course 1931 and (5) the natural horsess of 55,053 most below allowed ages not available have seen adequated by classes ages not available have seen adequated by the districts of Itohiais, leaves the ratios for these districts are not worked out.

ANNUAL FOR M
DEATHS REGISTERED BY SEXES AND CLASSES ACCORDING TO SPECIFIED AGE

1	2							SANK RE	O SHELV
	.000	Opher elas						History	
	Ra(50	7	МІДУЕЛ	R ESTIMAT	ED POPUL	ATION FO	OR 1939.		lo de la constante de la const
Sumber	DISTRICTS.	Muham	madans.	Hin	dus.	Chris	stians.	Other O	lasses.
Number.	0.6	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1	2	3	4	5	6	7	8	9	10
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Jhang Multan Muzaffargarh	152,588 84,391 149,189 158,293 145,917 4,494 23,694 201,064 265,538 152,551 325,975 521,449 339,767 316,329 393,258 326,817 287,567 490,226 419,389 288,183 317,232 315,474 219,202 448,030 477,971 346,470 586,857 311,289 286,731	128,634 75,135 130,429 133,547 121,331 1,739 19,622 178,320 236,680 125,072 279,006 406,856 284,689 275,568 336,552 271,937 240,466 420,504 357,722 263,378 280,232 283,669 197,104 378,222 411,073 299,007 490,837 262,281 234,589	397,668 425,019 303,426 366,471 316,158 19,291 412,078 360,913 271,447 269,583 380,263 330,492 370,452 274,295 199,898 103,938 127,421 82,713 35,369 67,317 30,792 34,032 182,658 229,837 70,337 140,192 47,097 35,334	338,315 368,699 262,210 301,230 249,607 12,400 383,251 315,799 223,678 216,232 310,967 236,814 296,118 226,730 164,866 80,487 102,444 72,469 68,195 31,430 51,008 27,807 31,166 142,457 184,654 64,348 108,453 41,342 32,345	592 2,481 779 873 4,592 997 338 2,191 3,153 1,113 4,834 37,788 10,675 28,638 42,894 31,122 31,393 1,946 7,419 431 5,608 504 238 12,097 29,996 333 6,881 136 17	531 2,383 776 744 3,144 957 281 1,777 2,017 1,417 3,042 30,343 9,683 23,950 36,165 26,497 27,525 1,550 6,132 309 3,211 226 183 9,693 26,467 307 5,124 115 16	209 13 2,722 362 12 14,050 60,900 61,878 9,824 20,315 9,224 553 4,024 221 443 6,908 841 1,557 15 9,867 24,381 83 3,757 25 89	156 2,292 308 12,499 50,933 53,393 8,152 17,053 7,483 228 298 6,028 6,028 527 1,418   7,825 19,426 3,261 20 50 50 50 50 50 50 50 50 50 5
	Total	8,355,935	7,124,201	5,967,605	4,945,521	2,70,059	224,565	232,224	195,298
0.000	Midvear estimated population (1939). Ratio per 1,000 living for the Pro- vince.	88	18	196	2,565		1. 181 12 1. 181 12 1. 181 12	0	N

<sup>1.</sup> The provincial population figures given in Form No. V include (a) 29,642 the popula-different age periods and by classes in Census 1931 and (b) the natural increase of 54,653 months by different classes are not available.

2. Perhaps a constant immigration of "Other classes" into the districts of Rohtak, tion, hence the ratios for these districts are not worked out.

### PERIODS IN THE DISTRICTS OF THE PUNJAB DURING THE YEAR 1939.

4

#### Under one year.

#### NOT EXCEEDING ONE MONTH.

#### UNDER ONE WEEK.

Tota	ı.	Muhamme	idans.	Hind	lus.	Christi	ans.	Other Cla	18868.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
11	12	13	14	15	16	17	18	19	20
551,057 511,886 453,407 528,359 467,029 24,794 450,160 625,068 602,016 433,071 731,387 898,953 721,447 623,286 636,271 462,320 453,289 576,127 511,078 323,983 339,114 346,769 253,487 652,652 762,185 417,223 737,687 358,547 322,171	467,639 446,220 393,426 437,813 374,390 15,103 415,653 546,829 515,766 350,873 610,067 681,495 591,031 529,613 537,808 379,219 376,464 495,050 433,464 295,117 334,406 311,702 228,456 538,197 641,620 363,725 607,675 303,764 267,000	178 93 204 232 312 7 30 221 422 325 719 414 397 410 355 336 327 377 547 364 427 390 465 744 778 538 766 324 205	60 55 204 170 287 2 29 229 472 351 561 529 227 357 265 116 265 363 431 304 320 343 347 631 676 477 612 132 135	680 465 366 573 469 21 1,088 859 770 652 889 500 372 686 401 110 215 61 96 25 109 25 53 241 331 132 152 27 54	572 331 256 418 287 20 1,037 568 544 441 699 152 401 502 375 195 197 50 92 15 99 18 42 240 234 75 106 51 30	2 4 4 3 2 39 10 39 32 30 65 3 8 2 37 79 3 3		2 19 14 6 19 1 5 5 1 1 1 1 54 68 3	1 4 2
14,825,823	12,489,585	10,907	8,950	10,422	8,047	362	374	208	27
							amitsa Sgl ; rol	TAN VEIM	-
vailable.						7	the F	Satio pe	

tion of Biloch Trans-Frontier Tract, Dera Ghazi Khan District, as it is not classified by recorded during the months of January to February 1931 as the figures relating to these

Rawalpindi and Attock during the intercensal years accounts for the variation in their popula-

								Un	der on
			-200	ler one ye	-Und		NOT	EXCE	EDIN
		100	TO TONE	OVER ONE WEEK.				2	
	DISTRICTS.	Muhamm	nadans.	Hindus.		Christia ns.		Other Classes.	
.65	ristians. Otto Olas	Manual Chi	AMBINET I	de	englans.	ar du M	Gant,	Option Option	Olasio
Number.	makes.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1	2	21	22	23	-24	25	26	27	28
20	18 19	-17	81	15	M	EL	9		(1)
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 22 23 24 25 29 29 29 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Juliundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyalipur Jhang Muitan Muzaffargarh Dera Ghazi Khan	223 100 217 273 287 2 25 239 327 240 389 545 285 269 285 414 367 459 488 329 387 390 322 582 479 455 761 202 254	59 60 185 187 200 5 40 241 255 267 326 334 249 161 226 182 245 354 389 312 2295 308 262 274 468 351 532 180 212	516 567 434 494 253 14 910 563 339 597 603 401 496 411 298 51 127 63 71 31 75 25 37 198 224 126 67 21 47	548 443 333 382 309 10 850 468 340 481 442 300 323 343 245 101 106 54 84 32 59 14 40 279 138 76 72 24 19	1 3 3 3 1 1 32 5 38 35 20 24 2 7  4  57  6		1 6 2 17 28 3 12 4 7 4 3 1 63 35 2	
27	Total	9,595	7,159	8,059	6,915	255	273	188	24
	Midyear estimated population (1939). Ratio per 1,000 liv- ing for the Pro- vince.	)			,				No

tion of Biloch Trans-Frontier Track-Deta-Glass Khan District, as the Letter of the control by the months of January to February 10 11 and 12 to the control of the control

contd.

year-concld.

ONE MONTH-CONCLD.

Other Clauser.	OVER ONE	MONTH ANI	NOT EXC	EEDING SIX	MONTHS.		
Muhamma	dans.	Hind	us.	Christ	ians.	Other Cl	14868.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
29	30	31	32	33	34	35	36
562 237 323 575 231  25 377 413 347 833 895 1,078 601 674 890 699 810 898 529 672 601 515 935 852 721 900 511 554	440 191 289 443 193 4 24 351 367 295 607 800 710 429 555 622 564 605 722 423 489 457 388 683 681 608 668 285 452	1,129 1,305 838 1,316 997 34 1,028 789 538 502 907 600 962 498 475 139 283 118 194 40 55 42 66 455 365 56 309 36 23	858 918 681 1,124 820 33 911 569 462 356 731 291 881 465 423 204 188 65 113 40 63 23 51 311 286 43 216 52 22	1 1 1 1 1 1 2 1 2 2 2 9 1 2 0 70 12 12	1 1 2 2 1 1 48 67 4 48	1 9 1 1 26 70 16 24 3 4 2 1 4 2 31 122 6	
17,258 available.	13.345	14,099	11,200	368)	399 Lodar (920	323	

									UNDE	R ONI	
				OVER SI	X MONTH	S AND U	NDER T	WELVE M	ONTHS.	OM:SIX	
			Muhamn	nadans.	Hine	lus.	Chris	stians.	Other Clauses.		
	DISTRICT	rs.	Designan	Name	21140	Hind	0	and the	neground's	Same.	
Number.	Major	Potential	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
1	2	1 82	37	38	39	40	41	42	43	44	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 28 28 28 28 28 28 28 28 28 28 28 28	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullur dur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi	Khan	606 140 217 452 209 3 40 502 587 401 1,149 739 1,329 814 468 803 656 761 719 371 327 351 292 829 1,201 458 823 383 388	437 121 221 444 222 3 47 527 396 203 952 1,049 1,260 791 587 606 564 632 632 632 260 260 263 435 1,012 393 614 335 248	1,056 1,012 765 1,010 1,080 32 1,046 829 619 325 1,232 960 986 565 525 224 157 101 110 32 57 39 30 401 381 70 281 45 45	832 785 581 863 991 24 878 577 632 371 967 251 722 498 247 250 136 64 100 35 65 26 26 540 530 53 244 55 60	1 1 1 1 1 1 3 3 35 18 68 68 44 22 1 1 12 1 2 12 108 6 6	2 1	10 10 1  2 255 70 8 8 32 2 4 4 3  4  52 213	22 22 11	
285	Total	eeg.	13,018	13,880	14,015	11,403	404	430	440	17	
	Midyear esti population ( Ratio per 1,0 ing for the vince.	(1939).	Not a	vailable						della	

contd.

## YEAR-CONCLD.

Tuesca	bother C	Obrietignes bonen	TOTAL	UNDER ONE	YEAR.	colone.	Const	Names.
-	Muhamn	radans.	Hin	dus.	Christi	ans.	Other Cl	asses.
Females.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
00	45	46	47	48 48	49	50	51	52
	1,569 570 961 1,532 1,039 12 120 1,339 1,749 1,313 3,090 2,593 3,089 2,094 1,782 2,443 2,049 2,407 2,652 1,593 1,813 1,732 1,594 8,090 8,310 2,172 3,250 1,420 1,401	996 427 899 1,244 902 14 140 1,348 1,490 1,116 2,446 2,712 2,446 1,738 1,633 1,526 1,638 1,954 2,211 1,338 1,394 1,368 1,260 2,023 2,837 1,829 2,426 932 1,047	3,381 3 349 2,403 3,393 2,799 101 4,072 3,040 2,266 2,076 3,631 2,461 2,816 2,160 1,699 524 782 343 471 128 296 131 186 1,295 1,301 384 809 129 169	2,810 2,477 1,851 2,787 2,407 87 3,676 2,182 1,978 1,649 2,839 994 2,327 1,808 1,290 750 627 233 389 122 286 81 159 1,370 1,188 247 638 182 131	1 1 5 6 5 6 6 5 6 5 6 5 6 5 6 6 1 6	1 1 3 5 5 5 2 1 7 7 5 273 71 197 154 210 89 9 35 1 10 1 113 259 23	33 33 3 3 3 3 3 3 3 7 182 33 87 10 20 15 5 8  8  200 438  20	24 2 2 3 8 80 197 36 68 6 25 10 1 14 7 80 406
32	53,778	858 40,534	46,595	37,565	1,389	1,476	1,159	977
03,58	287,804	288,872	205,543	200,532	9,301	9,106	7,999	7,918
12-20	186.86	150.01	226.69	187:33	149.34	162.09	144.89	123.39

1	2				5				contd.
			ON	E YEAR	AND UND	ER FIVE	YEARS.	В—соно	YEA
		Muhamn	nadans.	Hin	lus.	Christia	1718.	Other C	lasses.
19010	me	Christi		_auhui	1		- Amisime	Muham	-
	DISTRICTS.								
Number.	10 2	Ec Males.	Females	cc Males.	99 Females.	G Males.	Females.	6 Males.	Females.
1 2 3 4 4 5 6 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hosbiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	902 417 910 1,208 781 10 30 1,186 926 410 1,578 3,058 1,447 1,517 2,231 1,523 1,496 2,077 1,836 915 1,040 1,298 805 1,822 1,998 870 1,683 710 711	1,028 398 812 1,045 755 7 20 1,101 935 328 1,312 2,863 1,273 1,519 2,044 1,351 1,552 1,923 1,619 974 1,098 1,170 722 1,589 1,885 784 1,307 435 641	4,663 2,767 1,665 2,223 1,947 48 933 2,121 1,017 1,434 1,923 471 1,732 1,875 785 175 564 200 242 62 215 77 103 589 963 187 466 60 250	3,992 2,450 1,514 2,254 1,746 37 884 1,926 802 1,194 1,665 387 1,551 1,593 799 110 236 148 206 88 211 58 95 696 1,039 143 616 72 201	2 4	3 2 5 3 7 22 23 83 100 30 98 4 22 7 1 48 151 19	16         	3629 8 15 110 3 32 162 162
977	Total and	35,395	32,490	29,757	26,713	824	628	471	324
819,7	Midyear estimated population (1939).	950,731	930,440	678,989	645,898	30,727	29,329	26,423	25,506
08-83	Ratio per 1,000 living for the Province.	37.23	34.92	43.82	41.36	26.82	21.41	17.82	12.70

6

### FIVE YEARS AND UNDER TEN YEARS.

-	Muha	mmadans.	Hino	lus.	Chris	tians.	Other C	lasses.
	Males.	Females.	Males.	Females.	Males,	Females.	Males.	Females.
	61	62	63	64	65	66	67	68
88	275 98 189 231 226 9 30 161 154 205 272 390 632 215 226 152 149 387 330 201 481 314 260 291 363 182 497 311 306	187. 97 161 212 212 25 201 147 184 213 323 574 311 153 150 182 321 371 230 499 332 234 322 361 258 470 235 242	699 492 495 501 261 1 863 224 249 595 382 195 841 285 230 100 175 42 70 15 42 20 30 111 149 181 187 54 36	657 420 446 414 260  716 206 168 475 342 219 601 168 235 61 147 46 60 13 38 11 28 99 158 101 95 58 23	2 2 2 3 39 15 30 60 24 63 2 9 21 1 8	1 1 1 1 6 233 3 18 46 36 36 1 4 4	2 2 1 35 59 6 2 1 4 6 -1 3 46 4	31 40 3 4 5 2 11 32 1
-	7,537	7,212	7,516	6,265	313	17	171	139
	1,097,210	967,065	783,601	671,323	35,461	30,483	30,493	26,511
	6.87	7.46	9.59	9.33	8.83	7.12	5:61	5.24

-	3				0	5	7			
-			.ara	TEN	YEARSA	ND UNDE	R FIFTE	EN YEAR	s.	
,800	Other Class		Muham	madans.	l H	lindus.	Chri	stians.	Other	Classes.
ei ei	DISTRIC	ets.								
Number.	Malos.	Panislos	Males.	Females	Males.	Females.	Males.	Females.	Males.	Females.
18	10 2	86	69	70	1071	72	73	50 74	75	76
1 2 3 4 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 12 5 26 27 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi	25	132 38 84 136 97 8 22 111 118 122 155 243 385 145 203 166 61 225 200 159 246 219 182 178 218 254 218 254 218 254	1 43 56 78 148 90 9 27 175 107 112 167 198 359 146 229 162 123 241 229 181 238 203 174 209 237 282 349 222 83	306 237 302 198 191 1 753 135 127 372 08 11 423 96 70 16 98 30 33 17 50 17 18 62 117 84 124 88 20	325 244 270 185 235 1 678 190 146 318 245 280 445 162 60 20 62 29 20 8 45 10 21 71 103 62 64 61 19		2 2 5 36 2 6 15 33 37 1 2 5 1 12 24 1 2		29 37 7 3 22 31  2  34  2
ect	Total	72	4,813	4,977	4,404	4,379	296	184	133	128
113,51	Midyear estin population (	mated 1939).	,019,507	851,910	728,107	591,384	32,950	26,853	28,333	23,354
22:3	Ratio per living for Province.	1,000 the	4.72	5.84	6.02	7:40	8.98	6.85	4.69	5.48

8

Muhamma	lans.	Hind	us,	Christic	ins.	Other C	lasses.
Males.	Females.	Males.	8 Females.	Males.	Females.	E8 Males.	& Females.
209 39 75 126 102 16 33 169 121 158 216 389 254 114 169 185 85 165 184 133 273 191 205 220 185 222 351 315 82	85 38 82 143 214 5 10 177 112 188 241 338 373 113 83 200 98 188 209 143 265 170 196 175 218 256 433 225 68	256 284 288 249 205 10 767 187 151 258 313 200 333 141 135 35 29 47 27 16 30 14 13 36 74 69 87 59 21	353 303 242 217 155 21 762 205 186 207 332 285 289 182 199 15 44 43 40 20 35 12 19 89 89 89 89 37 62 65 20	2 1 2 1 1 9 49 10 7 40 20 54  9  1 	3 6 19 3 3 59 220 226 6 1 1 15 3	2 2 37 39 6 4 1 4 3 1 2 19 21 2	1
5,016	5,046	4,334	4,528	239	167	143	163
780,690	657,020	557,556	456,094	25,232	20,710	21,697	18,012
88.8 6.42	7.68	7.77	9.93	9.47	8.06	6.59	9.05

1		2				8	9					
-			ARE,	N A AMM	Twi	ENTY YEA	ARS AND	UNDER	THIRTY	YEARS.		
	ior Classer.	Other Classer.		Muhan	nmadans.	His	idus.	dus. Chris		Other	Other Classes.	
	Du	STRICTS.										
Number.	eelamoli		Bemales.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.	
1	18	2	88	85	86	87	88	89	890	91	92	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 29 29 29 20 20 20 20 20 20 20 20 20 20 20 20 20	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpu Jullundur Ludhiana Ferozepor Lahore Amritsar Gurdaspu Sialkot Gujranwa Sheikhupu Gujrat Shahpur Jhelum Rawalpino Attock Mianwali Montgome Lyallpur Jhang Multan Muzaflarg Dera Ghas	la ra li ery	01 · · · · · · · · · · · · · · · · · · ·	195 119 149 261 313 4 21 187 217 106 432 661 247 439 375 342 208 468 331 287 238 430 261 378 300 382 484 320 275	85 151 255 337 327 11 15 202 252 187 432 814 269 526 412 45 305 520 517 416 244 438 320 560 467 407 629 283 334	826 604 470 726 453 47 765 418 247 320 482 200 314 167 126 78 75 50 83 19 70 33 26 116 149 54 64 86 22	1,023 886 563 821 642 46 789 484 328 253 534 101 413 262 178 20 56 71 62 42 55 41 33 57 187 43 36 70 28	10 54 7 11 65 25 39 12 2 13 18 1 9	1 2 1 7 29 6 8 14 25 27 11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1 43 59 6 4 4 4 4 10 21 6	3 3 3 	
	T	otal	491.	8,430	10,160	7,090	8,124	268	179	164	18	
	Midyear populatio	estim n (1939	ated).	1,448,824	1,239,158	1,034,715	860,206	46,826	39,060	40,264	33,970	
	Ratio per for the Pr	1,000 1 rovince.	iving	5.82	8.20	6.85	9.44	5.72	4.58	4.07	5.3	

10

THIRTY YEARS AND UNDER FORTY YEARS.

M uhammada	ns.	Hino	lus.	Christ	ians.	Other C	lasses.
93  213 89 147 201 228 3 17 251 137 105 331 526 184 371 306 390 203 393 281 287 300 454 260 324 225 29 473 304 312	94 150 111 208 260 268 8 187 132 182 276 319 383 246 275 366 244 418 411 398 205 446 285 455 425 425 425 436 285 485 485 485 485 485 485 485 4	95 670 602 488 630 481 53 798 470 292 256 407 284 327 237 199 30 59 51 62 16 50 26 21 76 92 89 74 75 23	96  846 671 487 683 464 26 804 403 286 222 392 241 297 102 18 24 54 52 30 63 33 35 65 115 61 22 78 17	97	98	99 4 29 39 4	100
7,606	8,165	6,938	6,923	222	164	220	19
1,088,209	:868,564	777,172	602,944	35,170	27,378	30,243	23,81
6.99	9.40	8.93	11.48	6.31	5.99	7.27	8.0

1	2				0.5	11				
			BRANS.	For	TY YEARS	S AND UN	DER FIF	TY YEAR	RS.	
	Other Classes.		Muham	madans.	Hin	dus.	Chris	tians.	Other Classes.	
	DISTRICTS.									
						19				
Number.	alag.	TOTAL CO.	Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
1	2		101	102	103	104	105	106	107	108
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	15.000000000000000000000000000000000000	251 104 188 292 215 12 29 459 244 128 435 514 367 322 311 343 218 380 352 282 342 359 252 386 239 326 505 365 332	349 85 168 177 226 2 30 271 167 181 319 304 370 296 215 208 157 360 307 255 321 342 193 329 211 336 487 280 244	726 645 541 793 644 41 808 741 283 346 482 217 398 248 170 49 24 76 20 25 98 98 98 67 98 75 12	498 561 489 636 426 22 846 627 266 350 373 257 366 119 165 63 78 70 23 15 53 13 20 42 87 34 47 54 18		2 1 2 1 4 17 57 16 34 2 1 4 4 11 15 13	1 49 104 10 9 1 2 4 1 6 1	
	Total	164	8,552	7,190	7,926	6.618	309	205	240	218
	Midyear estim population (1939).		750,426	604,915	535,936	419,924	24,253	19,068	20,855	16,582
	Ratio per 1,000 li for the Province.	ving	11.40	11.88	14.79	15.76	12.74	10.75	11.51	13.15

# FIFTY YEARS AND UNDER SIXTY YEARS.

Muhan	nmadans.	Hin	idus.	Chris	tians.	Other	Classes.
Males.	Females.	Males.	Females.	Males.	Females.	Males.	Females.
495 110 244 253 250 1 59 579 228 321 517 530 498 204 567 390 288 541 356 372 501 430 287 507 265 416 612 408 324	424 87 187 102 245 4 45 399 210 414 318 409 309 253 468 297 179 400 272 281 503 327 245 348 210 311 408 288 192	714 687 526 762 673 45 827 895 536 687 623 269 482 373 85 25 48 71 100 36 58 39 146 41 106 85	496 513 444 608 415 18 870 757 375 539 465 189 560 126 92 54 47 69 80 23 42 11 29 56 95 23 73 54 10	3 2 10 57 24 99 90 125 21 1 8 2 12 21 6 6	1 1 1 2 7 14 11 11		4177
10.553	8,225	9,018	7,133	483	236	261	214
493,816	383,375	352,671	266,134	15,960	12,085	13,724	10,509
21.37	21.45	25.57	26.80	80.26	22.01	19.02	20.36

1	2					13				
-			BANK T	rrnesq	SIXTY	YEARS A	ND UPWA	ARDS.		
	GAO Chus		Muham	madans.	Hi	ndus.	Chri	stians.	Other	Classes.
Number.	DISTRICTS	maion	Males,	Females.	Males,	Females.	Males.	Females.	Males.	Famales,
1	2		117	118	119	120	121	122	123	124
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Kha	in	505 405 695 627 902 13 40 1,191 1,373 226 961 1,042 1,083 1,611 1,445 763 653 1,958 1,266 1,312 1,536 1,272 445 930 1,279 1,173 1,292 698 789	700 248 478 513 370 4 30 861 1,203 210 666 638 603 1,469 910 386 618 1,407 1,027 1,086 1,144 890 356 704 958 885 942 538 400	3,150 2,225 1,182 1,831 1,818 72 903 1,894 1,594 479 1,209 741 658 288 180 294 247 206 114 135 103 54 357 629 77 177 81 42	2,481 1,580 926 1,378 1,587 47 862 1,440 1,312 307 933 761 893 352 398 220 256 181 118 111 109 30 291 421 86 79 97 21	1 1 6 1 3 1 5 14 143 445 116 308 2000 235 5 31 1 2 1 6 95 7		22 22 1 6 116 116 118 43 4 111 5 1 6 3 1 3	19
214	Total	200	27,485	20,244	21,381	17,348	1,227	818	548	509
808		nated	438,709	332,882	313,315	231,082	14,179	10,493	12,193	9,126
	Ratio per 1,000 for the Province	living	62.65	60.81	68.24	75.07	86.54	77.94	44.94	55.77

14

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- FB1	0	WW.		
T	C)	E.	AΙ	

Muhamm	adans.	Hin	dus.	Christ	ians.	Other Co	lasses.
Males.	Females.	Males.	Females.	Males.	Fem	Males,	Females.
125	126	127	128	129	130	131	132
4,746 1,989 3,642 4,867 4,153 88 401 5,633 5,267 3,094 7,987 9,946 8,186 7,032 7,615 6,697 5,410 9,001 7,788 5,541 6,770 6,699 4,551 8,126 8,382 6,318 9,430 5,138 4,668	4,147 1,698 3,328 4,271 3,609 69 360 4,922 4,755 3,102 6,390 8,918 6,959 6,617 6,422 5,091 5,096 7,732 7,173 5,302 6,001 5,686 3,985 6,714 7,668 5,670 8,034 3,718 3,606	15,391 11,892 8,360 11,306 9,472 419 11,489 10,125 6,753 6,823 9,660 5,249 8,307 6,240 3,787 1,211 2,207 1,151 1,343 447 1,022 475 504 2,779 3,718 1,233 2,192 792 612	13,481 10,105 7,232 9,983 8,337 305 10,887 8,420 5,847 5,514 8,120 3,805 7,686 5,069 3,518 1,331 1,577 944 1,003 479 939 379 469 2,836 3,482 837 1,732 791 488	2 1 1 7 28 12  21 2 21 90 694 261 635 1,107 650 824 22 171 2 31 3 2 214 660 4 104 	1 2 4 21 10 10 1 19 2 20 65 591 142 466 717 620 498 19 113 4 33 1 4 213 644 2 92	98 3 1 1 1 98 3 1 1 1 27 541 798 139 190 27 60 49 10 24 28 1 378 1,072 1 57 1 1	90 2 1 30 482 799 95 134 17 81 24 2 19 32  224 981 1 29
169,165	147,043	144,959	125,596	5,570	4,304	3,510	3,045
			osp)	pulation (	od balami advil 000,	didyear onl	

						70.7		RATIO
.5045	Other Clas				ni Fi		Muham	madans.
Number.	Derente	mon.	DISTRICTS	Ecurica Malon.			Males.	Females.
1	ter	180	2	821119	1981		133	134
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simia Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwals Sheikhupur Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgome Lyallpur Jhang Multan Muzaffargai Dera Ghazi	ry is.	0 · · · · · · · · · · · · · · · · · · ·	TEXASE SO SO STATE SO SO STATE SO SO SO STATE SO SO SO STATE SO SO SO STATE SO	10681 10681 10681 10683 10683 1068 1068 1068 1068 1068 1068 1068 1068		31·10 23·57 24·41 30·75 28·46 19·58 16·92 28·01 19·83 20·28 24·50 19·07 24·09 22·23 19·36 20·49 18·81 18·36 18·57 19·23 21·34 21·23 20·76 18·14 17·54 18·23 16·07 16·50 16·28	32·2 22·6 25·5 31·9 29·7 39·6 18·3 27·6 20·0 24·8 22·9 21·9 24·4 24·0 19·0 18·3 20·0 20·1 21·4 20·0 20·2 17·7 18·6 18·3 14·1 15·3
8,048	013,000	108.6	Total	182 122,596	100,055		20.54	201.001 20
***	Midyear est	imated p	opulation (	1939)			17 19,500	198. • 9,1

Note (\*).—Figures incorrect Including population of tribal

15

OF DEATHS PER 1,000 OF POPULATION.

	Hin	dus.	12.	Chris	tians.	Other	classes.	
			BIRTH		18 18		Numer.	
of bobarriour. Males.		LedoT	Females.	Males.	Females.	Male:	Females.	Tourstands and
135		8	136	137	138	139 8	140	
27 27 27 30 0 4 4 29 21 24 25 25 25 25 25 25 25 25 25 27 22 22 22 21 22 22 3 4 4 25 25 25 15 21 21 22 3 4 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	·70 ·98 ·55 ·86 ·72 ·88 ·05 ·88 ·31 ·40 ·88 ·42 ·75 ·94 ·65 ·32 ·85 ·24 ·65 ·31 ·10 ·10 ·10 ·10 ·10 ·10 ·10 ·1	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	39·85 27·41 27·58 33·14 33·40 24·60 28·41 26·66 26·14 25·50 26·11 16·07 25·95 22·36 21·34 16·54 15·39 13·03 14·71 15·24 18·41 13·63 15·05 19·91 18·86 13·01 15·97 19·13 15·09	3·38 0·40 1·28 8·02 6·10 12·04 ··· 9·58 0·63 18·87 18·62 18·36 24·45 22·17 25·81 20·88 26·25 11·30 23·05 4·64 5·53 5·95 8·40 17·69 22·00 12·01 15·11 ··· 58·82	0·42 2·58 5·38 6·68 10·45 3·56 10·69 0·99 14·11 21·37 19·48 14·66 19·46 19·32 23·40 18·09 12·26 18·43 12·94 10·28 4·42 21·86 21·97 24·33 6·51 17·95 	270·72 250·00 0·07 0·02  2·75 26·63 86·51 251·36 47·22 122·17 135·44 7·09 11·89 15·41  ? ? 66·66 38·31 43·97 12·05 15·17	28 106 175 39 75 271 3 3 13  ?  28 50 15 8	· 68 · 68 · 68 · 68 · 68 · 68 · 88 · 79 · 43 · 63 · 50 · 88 · 89 · 89 · 80 · 80
1 · 88 8 · 88 7 · 88	1.29	200	25:39	20.62	19.16	15.11	Thelum Attook Mianwall	
						n Division.	Mult	
42.6	184	1007	26,304 26,304 12,767	00,88 100,81	788,102,1 h.	19	Thong	38

due to misclassification, area Dera Ghazi Khan District (29,642.)

## ANNUAL DEATHS REGISTERED FROM DIFFERENT CAUSES AND BIRTHS REGISTERED IN THE

-		1							
1	. cores to	3	Chris	4 Modutanteplante					
		-ndod		BIRTHS.					
Number.	A.—RUBAL CIRCLES.	Midyear estimated I lation (1939).	Males.	Females.	Total.	Birth rate per 1,000 of population.			
1	041 2 981	3 8 3	4:81	5	6	2017			
	Ambala Division.		88-8-	08/80	31.10.07				
1	Hissar	900,624	18,877	16,568	35,445	39.3			
2	Rohtak	850,389	19,861	17,577	37,438	44.0			
3	Gurgaon Karnal	764,401 848,662	18,551 20,799	16,437 18,458	34,988 39,257	45.7			
5 6	Ambala	693,559	15,578	13,856	29,434	42.4			
6	Simla	15,610	165	169	334	21.4			
180	Juliundur Division.	8.12	18.62	11.92	24-39-56				
7	Van 18-88-	857,406	15,425	13,761	29,186	34.0			
8	Hoshiarpur	1,099,947	22,323	19,418	41,741	37.9			
9	Jullundur	946,922	19.617	18,046	37,663	39.			
10 11	Ludhiana Ferozepore	649,977 1,168,445	14,357 28,500	13,072 24,303	27,429 52,803	42.			
079 EAS	Lahore Division.	12.0	11.80	18-63	18 88	BI 20			
12	Tabasa	981,255	21,940	19,667	41,607	42.4			
13	Amritsar	980,515	23,289	21,383	44,672	45.			
14	Gurdaspur	1,049,715	24,354	22,774	47,128	44.8			
15 16	Sialkot Gujranwala	1,013,826 715,726	23,695 16,778	21,622 15,240	45,317 32,018	44.			
17	Sheikhupura	781,540	17,482	15,609	33,091	42.			
083	Rawalpindi Division.	8-71	THEF	10,01	18 988				
18	Gujrat	1,006,223	20,374	18,219	38,593	38.			
19	Shahpur	843,742	17,545	15,586	33,131	39.			
20	Jhelum	569,110 586,709	10,826	9,756	20,582 20,891	36.			
21	Rawalpindi	607,812	11,915	10,185	22,100	36.			
23	Mianwali	436,760	9,791	8,553	18,344	42.0			
	Multan Division.	letion (1930)	100			**			
24 25	Montgomery	1,134,654 1,294,897	28,057 28,790	24,729 26,364	52,786 55,154	46.			
26	Jhang	692,547	14,901	12,767	27,668	39 .			
27	Multan	1,166,162	23,912	19,650	43,562 22,549	37 . 35 . (			
28	Muzaffargarh	632,387 497,462	12,139 8,634	10,410 7,348	15,982	32			
			1221	TO TAKE THE	THE RESERVE	41 ·			
	Total	23,786,984	519,656	461,237	980,893	41			

FORM No. VI.

THE DISTRICTS (RURAL CIRCLES) AND IN THE TOWNS OF THE PUNJAB DURING YEAR 1939.

0	1	Paten	& CESTROLAY	1	19	1		
5	6	7	8	9	10		11	
adda	COR (1) B)		od Bith	hœa.	antite .	magnio a	INJURIES	
	saddo	12	1	Diarrhœa.	Respiratory diseases.	Suic	eide.	acci-
60	1	1	三十卷	y and	ory di		1	and
Cholera.	Small pox.	Plague.	Fevers.	Dysentery	spirate	Males.	Females.	Wounds dents.
СЪс	Sm	Pla	Fev	Dys	Ree	Ma]	Fen	Wor
8	9	10	11	12	13	14	15	16
22,98	1000	88 15 1k	2	or page	58 D-15	7 15	Strategy 2 orques	PART OF
1 E0.81	416 139 168 145 42	     	28,814 18,670 14,165 14,653 13,89 3 115	387 263 14: 271 185 8	2,127- 1,434 1,711 7,886 5,492 104	11 11 15 5 3	39 10 34 5 1	170 260 217 220 79
25,81	13 272 82 150 332	22 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	15,710 17,344 14,433 11,324 20,477	1,344 601 152 115 312	3,509 3,319 1,286 918 3,466	6 16 13 4 8	2 7 15 1 8	166 131 186 121 310
1	204 73 21 85 68 45	284 161 161 162 163 163 164 164 164 164 164 164 164 164 164 164	12,776 16,905 14,496 13,744 11,489 12,378	208 151 369 317 81 21	1,917 1,789 6,151 3,031 650 585	8 5 2 14 5	2 2 2 3 3 4	234 136 221 175 21 52
Nav. VI 016,01 080,11 038,01 088,01	49 161 88 44 118 43	243 283 283 284 284 284	13,262 10,917 7,499 8,077 8,551 7,162	227 227 173 64 62 66	2,306 2,280 1,360 2,060 1,735 535	4 4 5 9 4 2	4 1 1 3 	214 316 170 257 230 123
00,814 0,078 0,078 0,078 0,078 0,088	242 37 113 80 8 143	937 234 247 404 169	15,858 18,004 8,010 14,618 8,865 7,057	61 116 135 41 5 38	1,777 2,094 1,795 1,418 405 326	5 16 4 6 2	8 9 2 1 1 5	297 259 206 395 90 89
17	-	33,8	379,266	6,141	63,466	189	T 174	5,348

1 MIS	DO STRING	THE TOE	MACOUS HICK	MEGIN	11-0	oncld.	ONHUM	12	13
			-nd	1	NJURI	ES—con	cld.	.886.	ਰ
1	11	3	estimated popu- 939).		asts.		100	8	from
	ARURAI	L CIRCLE.	stima		wild beasts.		Burre	All other causes	deaths
ber.			Midyear estin lation (1939).	Snake bite.	l by w	les.	-	ther	98
Number.	A-INVIII		Midy	Snak	Killed by	Rabies.	Total.	All c	Total causes.
1,000	eofar 2	186	3	17	18	19	20	21	22
Mode	Res	М	1 HE BE		18.0		E P	000	200
àn	Ambala D	ivision.	81   13		11 0		10	88	
1 2 3 4 5 6	Hissar Rohtak Gurgaon Karnal Ambala Simla	Milden !	. 850,389 . 764,401 . 848,662 . 693,559	20 16 19 44 12	3	1 1 14 4	244 298 286 288 102	2,270 2,088 4,088 3,722 2,496 110	34,258 22,892 20,559 26,965 22,211 340
200	Jullundur	11	263.08 1,88 185.407 1,71 2071,884 7,880 185.00 5,482		NTALES NTALES (0.14.01. 10.07.4.0 14.07.4.0	100 May 200 Ma		01,430 01,438 81,037 87,434	A6-20 A6-20 A6-20 A6-46
7 8 9 10 11	Kangra Hoshiarpur Jullundur Ludhiana Ferozepore	Vivalen.	946,922 649,977	32 8 11 1 23	OLU SI	10 6 2 12	216 167 231 129 361	2,247 6,107 2,943 3,020 5,006	23,039 27,810 19,127 15,656 29,954
188	Lahore D	ivision.	016 40 018 018 018 019 018		11,4804	1	1000 1071 1800	87,000 80,430 86,348	30.77 42.20 35.15
12 13 14 15 16 17	Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura	District Control	980,515 1,049,715 1,013,826 715,726	34 12 7 13 36 56	3 5 7 1 	5 6 7 2 	284 166 246 208 65 113	3,788 4,728 3,235 3,294 1,724 2,125	19,177 23,828 24,518 20,678 14,077 15,267
	Rawalpindi	Division.					0.10		
18 19 20 21 22 23	Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali	9	0.10 # 10	13 31 56 36 20 1	201.00 F 18.17 F 18.17 F 18.18 18.17 18.17	7 4 3 	242 356 238 305 255 127	1,666 1,977 1,728 1,998 1,635 900	17,752 15,918 11,086 12,548 12,356 8,833
24 25 26 27	Montgomery Lyallpur Jhang Multan	A Ai	. 1,134,654 . 1,294,897 . 692,547 . 1,166,162	41 27 34 83	838.31 18.300.4 18.310 18.418	6 19 1 9	357 330 247 494	2,515 4,181 2,239 1,508	20,810 24,762 12,539 18,159
28 29	Muzaffargarh Dera Ghazi E	Chan .	632,387	76 46	Tani, T	::	168	432 560	9,883
5,348	NVI To	tal .	23,786,984	808	19	129	6,657	74,330	533,26

ANNUAL FORM

DUHENGARE

RATIO OF DEATHS PER	1,000 OF POPULATION.
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-	10		+ 8	Diar	sases	1	,	From all	causes.
Cholera.	Small-pox.	Plague.	Fevers.	Dysentery and Diarrhoa.	Respiratory diseases.	Injuries.	All other causes.	For the year.	Mean of pre- vious five years.
23	24	25	26	27	28	29	30	31	32
87	0	0.19	8	124	110		1 18	10	12
·ii	0·46 0·16 0·22 0·17 0·06	1,00	31·99 21·95 18·53 17·26 20·03 7·37	0.43 0.31 0.18 0.32 0.27 0.51	2:36 1:69 2:24 9:29 7:92 6:66	0·2° 0·3° 0·3° 0·3° 0·1° 0·1°	2·45 5·35 4·38 3·60	38·04 26·92 26·89 31·77 32·02 21·78	24·27 23·81 30·37 29·02 27·58 21·68
8.67	172	1	001	89	533			ab <sub>a</sub> ldh	d Sir
89'27	0.01 0.25 0.09 0.23 0.28		18:32 15:77 15:24 17:42 17:52	1.57 0.55 0.16 0.18 0.27	4·09 3·01 1·36 1·41 2·97	0·23 0·13 0·24 0·26 0·26	5 5 55 3 11 4 65	26.87 25.28 20.20 24.09 25.63	26·10 25·33 21·4 23·50 23·60
16-35		8	151		980,	65	- 1-	anni	00 0
0.02	0·21 0·07 0·02 0·08 0·09 0·06	8	13·02 17·24 13·81 13·56 16·05 15·84	0.21 0.15 0.35 0.31 0.11 0.03	1:82 5:86 2:99 0:91	0·2 0·1 0·2 0·2 0·0 0·1	7 4.82 3.08 0 3.25 9 2.41 4 2.72	24·30 23·36 20·40 19·67 19·53	21·0 24·0 23·2 21·7 22·9 19·5
	0.05	10.7	13:18	0.22	2:29	0.2		17:64	on Alle
80.88 80.18 80.18	0.05 0.19 0.15 0.07 0.19 0.10	1,21	12:94 13:18 13:77 14:07 16:40	0·27 0·30 0·11 0·10 0·15	2·70 2·39 3·51 2·85	0·4 0·4 0·5 0·4 0·2	2 2·34 2 3·04 2 3·40 2 2·69	18.86 19.48 21.39 20.33	19·4 19·4 20·4 21·1 19·3 23·5
81.88	1		88	9 08 8	835			inbgani	18 184
80:14 87:08 88:63	0·21 0·03 0·16 0·07 0·01 0·29		13.98 13.90 11.56 12.53 14.02 14.19	0.00 0.00 0.10 0.00 0.00	1 · 62 2 · 59 3 1 · 21 0 · 64	0.4	25 3·23 36 3·23 42 1·29 26 0·68	19·12 18·10 15·57 15·63	17.8 18.4 16.3 18.6 20.4 18.6
0.001	0.14	-	115-94	0.5	6 2.67	10.	28 3.12	22.42	22.

xciv

## ANNUAL FORM

## DEATHS REGISTERED FROM DIFFERENT CAUSES AND BIRTHS REGISTERED DURING THE

1	2	- 1.	1		3	ales glo		T.Dim	4		-		tro
	Acer.	E COULD			mat-	The second	PATE .	The state of	BIR	THS.	- 1		leath
Number.	B.—To	owns.		S swinter	Midyear estimated population (1939).	Parting II	Males.	T. Rafilet.	Females.		Total.	Birth rate	per 1,000 of popula- tion.
1	2		Ī		3		4		5		в		7
	Hissar Di	istrict.											
1	Hissar .	2.45		.0	27,315	20	586		483	Had to	1,069	100	39.14
2	Hansi .	4-86		.0	20,386	10	421		399	I SE	820	80	40.22
3	Bhiwani .	8-60	181	-0	39,726	12	835		809	100	1,644	60	41.38
4	Sirsa .				20,533		234		190	-40	424		20.65
5	Budhlada .	rision.			8,746		39		36		75		8.57
850	Rohtak Di	istrict.	26	-0	85 LBB-	32	Libr		18-81		20	10	23.400
6	Rohtak	3.11	1.01	-0.	38,581	11	847		668		1,515	10	39:27
7	Jhajjar .	4.50	1.08	-01	14,376	28	299	- 13	267		. 566	10	39.37
8	Beri .				9,319		240		176		416		44.64
9	Gohana	falon.			5,689		134		124		258	N.	45.35
10	Bahadurgarh .	8-8-	.00	00	8,121	24	193		170		363	0	44.70
11	Sonepat .	8.08	-82	0,0	17 573	18	372		341		713		40.57
12	Mehm	2.41	30	0,0	10,396	18	181		163		344		33.09
13	Rohtak Civil L	ine		07	1,124	58	80.0		F8.9T		42		5,007
	Gurgaon D	istrict.											
14	Rewari .	1.00		.0.0	30,553		595		633		1,228		40.19
15	Palwal .	2.84			12,381		332		293		625		50.48
16	Firozpur-Jhirk	a.			5,65		94		71		165	80	29.17
17	Hodal .	2.04			8,149		159		151		310		38.04
18	Ballabgarh .	in one			4,635		89		88		177		38.19
19	Faridabad .	2-3	.52	0.1	5,855		128		107		235		40:14
20	Hidayatpur C	hhauni	.00		7,926		159		142		301		37.98
21	Sohna .	19.0			*5,765		103		62		165		28.62

<sup>\*</sup>Figures of natural increase for the year 1937-39 are only included as data for 1931-36 is not available.

No. VI.

IN THE DISTRICTS (RURAL CIRCLES) AND IN THE TOWNS OF THE PUNJAB
YEAR 1939.

5	6	7	8	9	10		affor a	11	1
Pill can	THO IL		The state of	and	dis-	artinute .	Injuri	ES.	String.
TRY		-	-	> e	b	Suic	ide.	and	
Cholera	Smallpox.	Plague.	Fereis.	Dysentery Diarrhoea.	Respiratory eases.	Males.	Fcmales.	Wounds and accidents.	Snake-bite.
8	9.00	10	11	12	13	14	15	16	17
88 1	124	18	1000		888,021	0.303	10000	incin H S	1 2
1,50	14	03 11-	410	45	199		870	8	9
98		83 2	374	41	92	1	3 40		-
ioi	15	1		140	302				
	38	1	726	23	78	****	heald sland	2	**
	17	10 1	129	10 22	0566	49	171	2	
92	13	12 81	69	2	185,881	.0.31	.3300	Holitoli	-
42	001	19 1 10	1946	- 10	FF45270	-0:07	.237	ortholis	
78	5 2	45 8	627	23	115	- vice	1	10	
di.		- 1	201	59	023,8		2.40	annio 1	
23	4	22 1	291	20	20		ziran z	6	1
50	2	3 . 18	66	3	23		ior k	Somepar	1.
22	3	01.10	102	21	69			2	
	60		299	25	41		old livin	2	
	6	1 . 1	107	8	77	1		2	
						date	rgade Diet	G	1
or		10 8	878.	2783	220,025	-9-26		Inswari	13
	4	20 10-	250	77	188	1000	1000	8	1.
	15		177	17	46		advist.	6	1:
20	1		. 58	17	20			Labotto	
	29		83	4	29		· idea	5	8
	5	1	89	28	16	1		1	
201	4	1	86	7	19			4	
1	12	21 18 -	41	5	52			3	
112	3	100	105		202.50			3	1

_				1		-	111111	
	1	2	3	PLA VEST	11—conci	ld.	12	13
			Midyear estimated population (1939).	Inj	URIES-C	coneld.	ses.	rom
		1 9	estir	Killed by wild beasts.	8	3 5	All other causes.	Total deaths from all causes.
	Der.	BTowns.	po po	l bes	95		Sher	dea
	Number.	INTERIES.	fidy d 198	ille	Rabies	Total.	II of	otal
-	Z	Swielde.	Noc	M	H H	Ĕ	4	H H
did-p	1	2	3	18	19	20	21	22
Sans	T	Hissar District.	New Property	Dyg	1		Same	10 CE OF 1
71		at last batter	27,315	4.8		8	204	900
	1	Hissar				3	124	880 634
	2	Hansi	20,386	1.	1			
	3	Bhiwani	39,726	20.5	010	11	348	1,565
	4	Sirsa	20,533	Ibert	874	2	78	327
	5	Budhlada	8,746	04815	728	800	15	103
14	1	Rohtak District.	82378:	1828	189	100	17 426	20.10
A	6	Rohtak	38,581	8 20	. 08	12	139	921
	7	Jhajjar	14,376			1	106	423
I	8	Beri	9,319	600	627	6	37	378
	9	Gohana	5,689	02000	201	207	14	108
.0	10	Bahadurgarh	8,121	2	291	4	31	230
.0	11	Sonepat	17,573	8 10 4	86	3	81	509
10	12	Mehm	10,396	12) 4	102	3	28	229
	13	Rohtak Civil Line	1,124	222 2	902	343	218.69	40.22
		shine   .   Land	27,000	8 787	107	I GIL	340	60.94
10		Gurgaon District.	1,124	-				
	14	Rewari	30,553	2000		8	240	767
10	15	Palwal	12,381	1 1000	250	6	65	326
14	16	Firozpur-Jhirka	5,657	A POLIT	177	201	10	106
	17	Hodal	8,149	71 4	188	5	59	209
	18	Ballabgarh	4,635	1 140	88	1	8	147
40	19	Faridabad	5,855	28	. 98	4	12	132
	20	Hidayatpur Chhaoni	7,926	7 19		3	93	207
20	21	Sohna	*5,765	9 710	12	4	12 00	112
E.	11	1000	*6,700	1 190	105	62	161 8	2 348
-	477	· · · · · · · · · · · · · · · · · · ·	e the years	1007 0	0 000 00	alm in alm	1.3 3	-4- 0

<sup>\*</sup>Figures of natural increase for the years 1937—39 are only included as data for 1931—36 is not available.

RATIO OF	DEATHS PER	1,000 oF	POPULATION.
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		101111	Italio of	DEATING.	ER 1,000	or rolom			
Shrine.	pox.	di .		Dysentery and Diar. rhœa.	Respiratory diseases.	es.	other es.		ll causes.
Cholera.	Smallpox.	Plague.	Fevers.	Dysent and rhœa.	Respirato diseases.	Injuries.	All of causes.	For the year.	Mean ratio of previous five years.
23	24	25	26	27	28	29	30	31	32
	0.51		15.01	1.65	7.28	0.29	District.	32·22	07.45
1	0.21	1	18:34	2.01	4.21	0.15		31.10	25.59
20-03	186		18:27	3.25	7.60	0.28	6.08	39-39	28.99
45.68	0.96	1.	6.28	1.12	3.80		8.76	15.92	31.44
27-08	0.83	1	27	107	002.7	0.10	3.80	13.92	16.61
42.74	100		182	323				bedadao	25 8
88158	200		7.00	771	Ma.a		10.00	naneman 11.70	
46-41	1.49		7.89	0.23	0:46	14	1:71	11.78	6.0 6
-	0.13		16.25	0.60	2.98	0.31	3:60	23.87	21.51
	0.14	••	13.98	4.10	3.76	0.07	.1517.37	29.42	24.21
88-6	0.43		31.23	2.15	2.15	0.64	3.97	40.56	27.26
13-6	0.35	-	11.60	0.53	4.04		2.46	18.98	27.72
0.55	0.37		12.56	2.58	8.50	0.49	3.82	28.32	24.38
0.00	3.41		17.01	1.42	2.33	0.17	4.61	28.96	24.41
19.00	0.58		10.29	0.77	7:41	0.29	2.69	22.03	15.68
10.00	244		100	189	8,008			intless	31 1
1000	1 444		18	17	080.9		oni.T.D	mbala Civ	A   38
	01			2	****		onk! Ils	on wear	1 00.
1	0.13		8.18	2.52	6.15	0.26	7.85	25.10	
0.00	1.21		14.30	1.37	3.71	0.48	5.25	26.33	31.18
40.82	0.18		10.25	3.00	3.53	1	1:77	18.74	33-41
30.08	3.56		10.18	0.49	3.56	0.61	7.24	25.65	
	1:08	1	19.20	6.04	3.45	0.21	1:72	31.70	
19:98	0.68		14.69	1.19	3. 4	0.68	2.05	22.54	1
0.13	1.21		5.17	0.63	6.56	0.38	11.73	26.12	1
38.85	176		18:21	81000	0233	0.69		19.43	1
21:01	0.52		1021	9	1220	000	Justinos	10 33	10.08
								-	

1	2		3			4	1 12	THE
	ATION,	139	mat-	stat	DEATHS I	BIRT	THS.	
Number.	B.—Towns.		Midyear estimated population (1939).		Males.	Females.	Total.	Birth rate per 1,000 of popula- tion.
1	18 2 08		3 '49		4.50	5	6 25	7
95.59	Karnal District.	029	327	G.	1:85	10-21		140
22	Karnal	61	28,645		579	556	1,135	39.62
23	Kaithal	88-	22,228	10	503	519	1,022	45.98
18-24	Panipat	01.	37,500	18	761	722	1,483	39.55
25	Shahabad		14,131	16	323	281	604	42.74
26	Thanesar		5,340		117	89	206	38.58
0 0 27	Pundri		6,892		155	158	313	45.41
28	Karnal Civil Line		1,151		00.0	20-27	-13   61 0	
	Ambala District.	70%	THE REAL PROPERTY.		01.1	99-10-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
02 29	Ambala	103	40,283		754	602	1,356	33.66
30	Jagadhri		14,055		334	307	641	45.61
80 31	Burya	0.04	3,785		89	81	170	44.91
32	Sadhaura	Lin	8,626		201	170	371	43.01
80-33	Rupar	92	10,053		214	194	408	40.58
34	Kalka	-	8,608	1	124	120	244	28.34
35	Ambala Civil Line		2,036					14:1
36	Sanawar Civil Line		1,144	1	3	81-8	10	010
37		85	29,686		573	484	1,057	35.61
38	Ambala Cantonment	811	25,039		291	277		
39	Kasauli Cantonment		2,993		46	81-01	90	
	Simla District.		1	1		08-01	- 80-X	
01-040	i la company	21	1 20		374	385	A ARTO	
41			4 645.00		24	17	4 4 4 4 4	La contract to the
02:842					18	19:81	97.0	
80.043	Jutogh Cantonment	08	522	1	6		5 11	21.07
		1		-	1			

5	6		7	1	100	8	971	9		10			02,410	11		1
prom		2000				Money-	and	INT		Respiratory diseases.	and a			INJURIE	s.	
STATE OF	J.	Train.		1			2	ea.		ory o	obut		Suic	AND ADDRESS OF THE PARTY OF THE	and ts.	
era.	Smallpox.	to dide	ne.			ers.	ontor	Diarrhœa.		irat.	100		80	Females.	Wounds and accidents.	Snakbite.
Cholera.	Sma	The second	Plague.			Fevers.	Dya	Die	KIII	Resp ses.	35		Males.	Fem	Wou	Snal
8	9	-	10		18	11	11	12	1	13	12	_	14	15	16	17
_	-	-	H	-		-		-	-	-	-	-				-
														d District.	Karn	
		23									77		The			1
848	64	17				438		59			171	0.0			lama4	201
73/9	26	31				328	-	20			151	100			Laddle 9	82
ens,	9					351		48	-		327	8			12	15
SIN.	8					184		21			115	1.		2.44	andada 2	26
aar	100	1				90	1.5	5	-		40	1	1	13.20	2	88
SAL	1	1				72		9	1		50	1			6	172
Tr.	81			T		21		1	1		5	1		il Line	10 100105	1
		1			-		1		-			1		In District	1-90 10 1	1 48 9
77.2	8				1	286		64	1		220	1		13.74	nindm5	
4.80	1 1 10	1				375	1	25			119			3.54	1	02
188	. 87					97		1			17			7:30	3.770	1
0.08	2				1	244		42			43			1 5.52	1	
241		1				103		16	-		51				angui	
1881	-0	1			1.	76		17			844			0.00	fallen mbele Gr	-
	1	1.			1		1				95,			anti tiz	- Sandar	-
-	1				1									avalt and		
82.8	1	1			-	299		76			265			and the same of th	o dadmi	
-10	11	1				171		29			76			Intermedia	- Harman	08
262	1	1	18		-	10	1	:			13		6 68	District	Sim	1 .
						42		14	-		184			7-65	BANTS Migral	08
66)		1	1		-	11		14			184		3	esmuoto	10	1
100					-	20		**			138			Sa ti	Dudrado	9
08	-	-	-		-	10			2		. 2		1.	memnes	stogh Care	
01	1	-		1	1	1	1	-	-			1		1	1	

1	112		3	T		11-00	ncld.			1	12		13.
I	Injustes.		imat-	disear.		JURIES	-con	cld.			uses.	1	g from
Number.	B.—Towns.	Suicie	Midyear estimated population (1939).	Respiratory	Killed by wild beasts	Rabies.	Pennler	Total	TOWN.	.912gue	All other causes.	HOOK SO	Total deaths from
1	81 201	63	3	1	18	19	,	2	0	DL'	21		22
	Karnal Distric	t.											
	red . E.		24,815		67					ish		39	43
22	Karnal	11.	28,645		93	18	2		7	7022	204	15	943
23	Kaithal		22,228 37,500		20		82		9	783	127	in	661
25	Shahabad		14,131		. 12		18		13	due	355 88	42	1,103
26	Thanesar		5,340				00		3	200	30	38	168
27	Pundri		6,892		0		72		6	918	15	187	153
28	Karnal Civil Line		1,151		1		2		7		13		27
20 0	Ambala Distric	et.			284								
29	Ambala		40,283		40		888		5		189	100	772
30	Jagadhri		14,055		25		575		1	170	114	-	634
31	Burya		3,785		50		197		1	371	52	131	168
32	Sadhaura		8,626		42		274		1	108	28	40-	360-
33	Rupar		10,053		81		103		1	366	71	28	241
34	Kalka		8,608		41		78		1 3		45		182:
35	Ambala Civil Line	1.1	2,036				-			10		-	
36	Sanawar Civil Line		1,144							1001	4		4
37	Ambala Sadar Baza	1. 1	29,686		85		192		2	100	190		826
38	Ambala Cantonmen		25,039		65		7.5		1	100	82		374
39	Kasauli Cantonmen	1	2,993		8		10			**	11		36
40	Simla District		20.755				01		13	750	996		490
40	Dagshai Cantonmer	8 T	20,755 1,559				11		10	11	226		23
41	Subathu Cantonmer		1,426		" "		03		1	37	18		39
42	Jutogh Cantonment		522		9		01		1	11	2	Ling	16
40	outobii cantoninion		422		-						-	-	

RATIO OF DEATHS	PER 1,000 0	F POPULATION.
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Top To				y ar-	ory .	18	ner	100	ll causes.
Cholera.	Smallpox.	Plague.	Fevers.	Dysentery and Diar- rhœa.	Respiratory diseases.	Injuries.	All other	For the year.	Mean ratio of previus five
23	24	25	26	27	28	29	30	31	32
		3					District	Kangra	
25:8	801		10		512			nlasmanla	46 10
42.30	2.23		15.29	2.06	5:97	0.24	7.12	32.92	27.75
	1.17		14.76	0.90	6.79	0.40	10 15.71	29.74	23.53
2:08	0.24		9.36	1:28	8:72	0.35	9.47	29.41	28.35
85* 68	0:57		13.02	1:49	8:14	0.14	6.53	29.58	23.28
80.18	-888		16.85	0:94	7:49	0.56	5.62	31.46	24.72
47.00	0:14		10.47	1:30	7:25	0.87	2.18	22.20	15.09
42.48	-959		0.87	0.87	4:34	6.08	11.29	23.46	38.23
21.68	151		27	07	021			ngnadsiri	51 G
20.10	0.20		7.10	1.59	5.46	0.15	4.69	19.16	19.56
			26.68	1.78	8.47	0.07	8.11	45.11	42.33
45.07	-141		25.63	0.26	4.49	0.26	13.74	44.38	37.78
47.78	0.53		28.29	4187	4.97	0.11	3.24	41.73	33*50
45.00	-088		10.24	1:59	5:07		7.06	23.97	25*36
41.10	- 588		8.83	1:97	5.11		5.23	21.14	17.08
52.2	. 038		141	854	Pin			avallis.	0.49
43.88	.088		881	202	.800,		3.20	3.50	5.24
10.08	0.03		9.84	2:56	8.93	0.07	6.40	27:82	19.37
(1.0)	0.44		6.99	1:16	3.03	0.04	3.27	14.94	19.93
12.0	180		3.34	0.67	4.34	11	3.67	12.03	14.37
-							District.	Ludbian	
44.0	0.23	8	2.02	0.67	8.86	0.63	10.89	23.61	23:95
81:8	0.64		7.05	283	010A		7.05	14.75	25:02
100	476		14.02	284	087.	0.70	12.62	27:35	21.74
80:08	1920		19.16	3.83	3.83		3.83	30:65	30*65

1	2			3		4				
	TION.	OLA	POS	mat-	ныч вигляп	BIRT	rus.	13		181
Number.	B.—Towns.		Tojunes	Midyear estimated population (1939.)	Males.	Females.	Pingue.	Total.		Birth rate per 1,000 of population.
1	2 00		00	3	4	5	25.	6		7
	Kangra District.							101		-
44	Dharmsala			4,212	51	57		108		25.64
45	Dharmsala Cantonme	ent	0	3,077	00 76	05 6 54	**	130	1	42.25
28.88	Hoshiarpur District	0.0	0	0.79	. 0010		37	177		
46	Hoshiarpur	-38	0	29,830	562	520	10	1,082	17	36.27
8.47	Hariana	14.	0.	6,674	132	20 106	125	238		35.66
2748	Dasuyah	-98	0	8,951	167	165		332		37.09
49	Tanda Urmar	.5.8	0	11,092	301	231	3	532	0-1	47.96
.50	Miani	.80	8	5,878	130	120	36	250	6	42.53
51	Garhshankar			6,122	79	72	9	151	23.1	24.66
52	Hoshiarpur Civil Lin		0	842	98 11	0117 6	-	17		20.19
12.33	Jullundur District		0	10.75.0	178	26168	1 18		16	
8753	Jullundur 81	-0.5	0	90,088	2,174	1,967	1	4,141	10	45.97
54	Kartarpur	-	0	11,616	279	276	100	555	3	47.78
55	Bungah		1	7,227	180	150	1	330	1	45.66
8 66	Rahon 18 200		1	8,024	167	168	1	335	1	41.75
0.67	Phillaur		1	6,417	179	171		000	15	54.54
58	Nurmahal 8		1	8,708	203	183	1	000	1	44.33
59	Nakodar		10	11,277	237	214	1	451	1	39.98
8 60	Nawanshahr		10	8,476	192	148		010		40.11
61	Jullundur Cantonmer		1	15,481	107	79	1	186	1	12.01
	Ludhiana District			2000	7500	eq.e.			1	1
62	Ludhiana 01		10	79,664	1,825	1,731		3,556	1	44.64
2.63	Jagraon 2017		1	31,046	552	510	1		1	34.21
64	Marcha Chicon	.0	10	13,759	254	220		474		34.45
65	Khanna -		1	7,407	125	104	1	229	1	30.92

5 8	6	7	8,61emos	-19	10	2.	i
20,00	1 1		- 1999-1995-1	pue	lisea-	INJURIES.	14
Cholera.	Smallpox.	Plague.	Fevers.	Dysentery Diarrhœa.	Respiratory diseases.	Males. Females: Wounds and accidents.	Snake-bite.
8	9	10	11	12	13	14 15 16	17
						Kangra District	
1			29	4	24	1 S La Manual II	11
04-	0		8	14	9	Dharmada Cantonnent. Hadrian uz District	2
222	3	71	332	39	115		100
126	5	1	105	2	4	1 3	7
with	2		54	3	38		8.6
696	6		200	1	15		69
021	6		64	6	19	In all the state of the stat	
12.	1.01.		21	1	8		111
0			2	-	3	Hosbiarper Civil Line.	
SHIT,	8	20	916	107	510	4 1 20	9.
122	81		162	11	58	interest 4	1.1
136	1	8	66	9	15		1.2
190	14	1	94	15	31	1	200
0.01	24.	2	76	14	44	1	-
100	.88	2	5			5	87
808	21	1	160			1	60
272	1	8	60			1 2	-
20.	26.	1	. 36		2 29	Ledleton District	
			1		3 485		85
1,078	42	1	607		- Inva	1 24	
088	38	12	396		9 74	Today	
ing	2		50	1000	5 22		
orr	1 2		30		1 22		1

1	2	3		11—concld	18	12	13
Serial Number.	B.—Towns.	Mid-year estimated population (1939).	Killed by wild beasts.	Rabics.	Total.	All other causes.	Total deaths from all causes.
1	2	3	18	19	20	21	22
	Kangra District.			51		106	
44	Dharmsala	4,212	23.4	20 02		4.	6
45	Dharmsala Cantonment	3,077	1.6	8		9	4
	Hoshiarpur District.	24	30	1202		iber	
46	Hoshiarpur	29,830	774 . 98	132	17	126	68
47	Hariana	6,674	1017. 5	100 001	4	5	- 13
48	Dasuyah	8,951	22 1 8	301 16	1	40	18
49	Tanda-Urmar	11,092		100 005	3	44	26
50	Miani	5,878	22   0	20 20	1	25	15
51	Garhshankar	6,122	10 11	12	3	10	A
52	Hoshiarpur Civil Line	842			- 1	1	
	Jullundur District.	00.000	158	ATT O	1.99	000	1.00
53		90,088	160 . 1 401	3	28	. 396	1,96
54		11,616	27 1 IC	180 181	4	48	13
55	2.	7,227 8,024		ini 08	3	31	1:
57	71.11	6,417	112 . gt	170 10	2	24	10
58	To assert the second	8,708	100 1 41	200 92	5	45	19
59	Nurmanai	11,277	77   1	2011	1	74	30
60	Nawanshahr	8,476	70 J M	081	3	46	17
61	Jullundur Cantonment	15,481	81 9	100	1	24	9
	Ludhiana District.			. 00			1
62	Ludhiana	79,664	193 - 221	825 T00	24	692	1,97
63	Jagraon	31,046	- 11	5,03	4	131	68
64	Raekot	13,759	30	111	5	31	23
65	Khanna	7,407	102 1 1	125 03	2	34	11

14

RATIO OF DEATHS PER 1,000 OF POPULATION.

148	E			2	1 6	E E	1	From all	causes.
TOO!	ox.	4	1 38	Oiari	ttory ses.	Boll and S.	other es.	the T	The second second
Cholera.	Smallpox.	Plague.	Fevers.	Dysentery and Diarr- boa.	Respiratory diseases.	Injuries.	aug		ratio of previous five years.
СР	Sm	Pla	Fer	Dy	Red	Inj	All	For	nean ratio prev five
23	24	25	26	27	28	29	30	31	32
							e District.	Ferosopon	
80.21	787	1	ara	92 210	et ast.	0300		processor	
42.95	179	1	POX	00 001	700	17			15.00
20.02	818		6.88	0.95	5.70	12"	0.95	14.48	17:33
10.01	285		2.60	4.55	2.92	430	2.92	13.00	16.25
70.03	0.10	1 4	001	084	17 170	16101		and the	OT DE
80.0	200		11.13	1.31	3.85	0.57	4 . 22	21.19	19.14
20.01	0:75		15.73	0.30	0.60	0.60	0.75	18.73	17.98
20.00	0.22		6.03	0.33	4.24	0.11	4.47	15.42	15.30
10.20	0.24		18.03	0.09	1.35	0.27	3.97	24.25	24.52
97.91	1.02		10.89	1.02	3.53		4.25	20.41	23.82
	130.		3.43	0.16	0.98	0.49	1.63	6.70	6.37
87:75			2.37	8,772	3.26		1.19	7.12	4.75
21.17	216		181	161	740.			delda	76 (0)
85-00	0.09		10.17	1.19	5.66	0.31	4.39	21.81	21.23
40-0B	0.09		13.95	0.95	4.99	0.34	4.13	24.45	28.06
48-40	0.14		9.13	1.24	2.07	0.41	5.67	18.68	20.20
52.70	1.74		11.71	1.87	3.86	0.12	3.86	23.18	21.56
49.19	888		11.84	2.18	6.86	0.31	3.74	24.93	23.69
82.80	7008		10.91	0.34	5.40	0.57	5-17	22.39	23.20
41.78	1.86		14.19	1.24	3.37	0.09	6.56	27.31	21.81
18-81	0.12		7.08	1.65	5.90	0.35	5.43	20.53	20.76
	1		2.32	0.13	1.87	0.06	1.55	5.94	7.88
86-78	008	10	4,763	6.587	788	888	**	unitean	W 98 0
47-76	0.53		7.62	1.54	6.09	0.30	8.69	24.77	21.48
40.60	1.22		12.75	0.35	2.48	0.13	4.22	21.16	17.94
46.86	088		8.07	0.65	5.38	0.36	2.25	16.72	19-11
67-60	0 27		6.75	0.67	2.97	0.27	4.59	15.52	14.58
5n-85	78		10	27	780		dominant	aritear Cal	A 09

1 1	2	3	11 11-	4	12	ia
er.	PRILATION,	imat-	FRIL ARTAKU	NO OWABIR	THS.	20
Serial Number.	B.—Towns.	Mid-year estimated population (1939).	Males.	Females.	Total.	Birth rate per 1,000 of population.
1 188	182 2 08	02 3 8	4 10	5	AR 16	7
	Ferozepore District.				1-1-1	
66	Ferozepore	40,185	912	815	1,727	42.98
67	Zira	5,997	127	127	254	42.35
68	Dharamkot	7,684	119	129	248	32.27
69	Muktsar	17,945	422	336	758	42.24
70	Fazilka	21,371	490	409	899	42.07
71	Moga	20,777	484	444	928	44.66
72	Abohar	16,739	382	342	724	43.25
73	Jalalabad	8,619	164	20.115	279	32.37
74	Ferozepore Cantonment	32,106	289	216	505	15.73
78:87	Lahore District.	0.129   80.0	01.0	88-8	. 50	Ex -
75	Lahore	438,985	8,772	7,800	16,572	37.75
76	Chunian	9,047	191	181	372	41.12
77	Kasur	53,258	966	898	1,864	35.00
78	Khem Karn	8,385	193	167	360	42.93
79	Patti	15,763	384	379	763	48.40
80	Baghbanpura-Bhogiwal	15,959	447	394	841	52.70
81	Ichhra	6,309	213	150	363	57.54
82	Pattoki Mandi	9,312	176	130	306	32.86
83	Sur Singh	7,304	158	01-147	305	41.76
84	Lahore Cantonment	31,356	252	80 181	433	13.81
88 7	Amritsar District.	1.87 181.01	0-18			792
85	Amritsar	288,227	5,537	4,763	10,300	35.73
86	Majitha	7,956	216	20-164	380	47.76
87	Jandiala	10 000	229	215	444	40.68
88	Tarn Taran	12,513	320	260	580	46.35
89	Sultanwind	6,511	194	ar-9181	375	57.59
90	Amritsar Cantonment	1,780	27	24	51	28.65
-			- 1			

5	6 8	7	8	-119	10		11		1
Lour			-concid.	and	dis-		Injur	IES.	- 10
and a			RATIO	a.	ory	Su	icide.	and s.	9
1 2	Smallpox.	ė.	ç.	Dysentery Diarrhœa.	Respiratory cases.		les.	Wounds and accidents.	Snake-bite.
Cholera.	mal	Plague.	Fevers.	yse	Respir cases.	Males.	Females.	our	nak
0	OD.	<u>-</u>	E	A.		N	<u>A</u>	B.,	- 00
8	9	10	11	. 12	13	14	15	16	17
20	20	25	1 24			-	ore Distric	Ferozo	
0.00,1	5	14	162	64	507		0	00000114	86
1,58	22	11	64	1	17-	0 22	1 33	a arij	1.0
90.0	52		99	3	12	0	n-22 3c	Samuel 1	No.
900	1	1.2	180	9	129	0 30	1 22	2	(the
sea.	4		311	12	119		1:12	and a	0.03
881	43	28.	245	8	81	0 25	3 ::	23	1.0
\$22.	2	7 . 2	212	15	72	11,50	0.44	ando 5	27.01
194	81		90	4	211	1 33	1100	padalalaj	8.5
10.	10.		80	2	6	in in	Cantona	Logosynel	1000
1			12/40	000	Tile !		e District	odal	11991
81.18	39	2 872	3,736	354	1,981	8	4	255	3
213	2		50	13	52	0.00	0.00	mainud2	OF T
71.0	4	10 . 11	399	21	144	0 00	10:37	14	53.
ini	E.	8 8	101	3	11	0.00	e 01 m	3	
712	15		62	12	188	4.00	89.8	1	197.55
304	25	00	207	6	51	o low	Bodil-Ean	and dang	-
804	1'3		62	3	12	9.25	1.00	- expect	-
4.12	08	ET . L	21	13	47	0-22-	n dban		92.
1.36	2	. 8	34	4	30	0 11 1		2	8
012	1	10	127	15	44	1		4 stone	1833.30
	0		100	448	Park.	4-16	tar Distyies		
100,7	23	161 3	762	746	2,267	11	- 3	142	84
018	0.2	08 4	120	1	37	1	10 :2	signature and the same of the	08.00
013	817	05 4 2	111	5	50	1000		Jacibact	
tes	080	12 - 15	119	5	33			Tar mar	88_
01.5	93		130	11	49	-		Soltanyia	98
of a	-		7	. 1	- 0874	- 34	Dantonme.	AmitimA	00

Serial Number.	INDURING.	on on				
Serial	B.—Towns.	Mid-year estimated population (1939).	Killed by wild beasts.  Rabies.	Lotal.	All other causes.	Total deaths from all causes.
11	81 21 11	3 8	18 19	20	21 9	22
	Ferozepore District.					
66	Ferozepore	40,185	45 10 919	14	. 293	1,045
67	Zira	5,997	02.11 1901	18 1	38	123
-68	Dharamkot	7,684	41 118 1181	00 1	. 33	200
69	Muktsar	17,945	18 . 0 19.	081 2	. 75	396
70	Fazilka	21,371	21 1981	118 4	84	534
71	Moga	20,777		23	82	482
72	Abohar	16,739	20 1 51 200	5		383
73	Jalalabad	8,619	10 1 30.0	00 1	18	124
74	Ferozepore Cantonment	32,106	2 . 20	08	. 6	94
	Lahore District.					
75	Lahore	438,985	277, B54 · 24	8 278	2,755	9,143
76	Chunian	9,047	101 18 - 73	1 4	. 92	215
7.7	Kasur	53,258	12 000	14	335	917
7.8	Khem Karn	8,385	8 100	101 3	43	161
79	Patti	15,763	21 34	20 1	69	347
80	Baghbanpura-Bhogiwal	15,959		709 4	25	293
81	Ichbra	6,309	8 -8 - 0 - 1	20 1	21	102
82	Pattoki Mandi	9,312	- 81	19 1	30	112
83	Sur Singh	7,304		3	52	125
84	Lahore Cantonment	31,356	se 61   se-	5	18	210
Ì	Amritsar District.					
85	Amritsar	288,227		161	3,102	7,061
86	Majitha	7,956		120	50	210
87	Jandiala	10,920		111	46	219
88	Tarn Taran	12,513		219	36	193
89	Sultanwind	6,511		180	. 59	249
90	Amritsar Cantonment	1,780			. 3	15

			SHT	RATIO O	F DEATHS I	PER 1,000	of	POPULA	ATION.	man.	74
1	Join S			1	. 6	ory	bury	8	ler	From al	l causes.
The Property	Cholera.	Smallpox	Plague.	Fevers.	Dysentery and Diarr- hoea	Respiratory diseases.	od bo	Injuries.	All other causes.	For the year.	Mean ratio of previ- ousfive years,
-	23	24	25	26	27	28		29	30	31	32
		0.12		4.03	1.59	12.62		0.35	15h7:29	26:00	18.96
-		0.33		10.67	0.17	2.83		0.17	6.34	20.51	28.01
1	17:00	6.778		12.88	0:39	1.56	101	0.13	4.29	26:03	24:08
1	19.72	0.05		10.03	0.50	7.19	-	0.11	4.18	22.07	19:73
1	(6.20	0.19		14.55	0.56	5.57	11	0.19	3.93	24.99	22:55
1	20:31	2.07		11.79	0:38	3.90	1	1.11	3.95	23:20	17.66
1	08-00	0.12	1	12.66	0.80	4.30	933	0.30	4.60	22.88	16:25
1	(43-36	.013		10.44	0946	1.28	in the	0.12	2.09	14.39	17:52
1	30-19	.282		12.49	0.06	0.19			0.19	2 93	13-11
1	82-25	849		107	143		7			mulb	88 09
1	10.1	0.09		8.51	0.81	4.51		0.63	6.27	20.83	20:40
1	18.8	0.22		5.53	1*44	5.75	1	0.44	10:17	23.54	26.85
1	88-11	0.07		7.49	0.39	2.70	1	0.26	6:29	17.22	15.83
				12.04	0.36	1.31		0.36	5:13	1019:20	23.85
1	(0.88	0.95		183:93	0.76	11.93	20)	0.06	4.38	22.01	22.33
1	serie	.888		12.97	0.37	3.19	DE	0.25	1.57	18.36	15:91
1	16-18	0.47		9.83	0.47	1.90	e	0.16	3.33	16.17	18:54
1	ra ea	.003		2.25	1.40	5.05	8	0.11	3.22	12:03	14.28
1	181-67	0.27		4.65	0.55	4.11	2	0.41	7.12	17:11	22:45
	10-33	0.03		4.05	0.48	1.40	TI	0.16	0.57	6:70	6:38
							1		a District.	Gojranwal	
1	26.95	0.08	. 2,	2:64	2:59	7.86	50	0.56	10.76	24:50	23:52
1	38-40	0.25		15:08	0.12	4.65	12		6.28	26:39	23.63
1	36-84	0.64		10.16	0.46	4.58	12		4.21	20.05	16:76
1	86-12	-200		9.51	0.40	2.64	7		2.88	15.42	11:99
1	(4.88	-4.00	-	19:97	1.69	7.52	101	.:	9.06	38.24	29.49
-				3.93	0.56	2.25			1.68	8.43	10.67

1	2	3	Istoms	4		8
er.	CLATION	timatation	DEA HIS KEET	BIRT	res.	24
Serial Number.	B.—Towns.	Mid-year estimated population (1939).	Males.	Females.	Total.	Birth rate per 1,000 of population.
1	18 2 08	02 3	4	5	84 8 28	7.5
68	Perusepote	10,165			34   3	2 , 2,949
SOB	Gurdaspur District	0 2002	11 82-1	8054	1 21	
10880	T 0.04 tollowing	· 0 750 88 0 ·	71.0	10.01	88	
91	Gurdaspur	13,826	333	299	632	45.71
92	Dina Nagar	5,982	59	59	118	19.72
93	Pathankot	11,148	302	236	538	48.26
94	Dalhousie	1,102	18	07-11	29	26.31
95	Batala	39,828	947	897	1,844	46.30
96	Dera Baba Nanak	5,892	126	123	249	42.26
97	Fatehgarh	7,791	161	121	282	36.19
98	Qadian	7,729	142	107	249	32.22
99	Gurdaspur Civil Line	986	0.83	18 1	(1	1.01
100	Dalhousie Cantonment	1,071	23	13	36	33.61
101	Bakloh Cantonment	4,154	78	72	150	36.11
	Sialkot District.	0 15 12	080	10/21		
102	Sialkot	102,129	2,209	2,181	4,390	42.98
103	Daska	10,176	174	194	368	36.16
104	Pastur	9,863	238	213	451	45.73
105	Narowal	8,979	272	227	499	55.57
106	Chawinda	7,716	188	30 149	337	43.67
107	Sialkot Cantonment	17,562	187	00 135	322	18.33
	Gujranwala District.	Manual I				
108	Gujranwala	67,184	1,318	1,095	2,413	35.92
109	Wazirabad	24,750	418	80384	802	32.40
110	Eminabad	8,771	152	1158	310	35.34
111	Akalgarh	7,057	132	18 187	269	38.12
112	Hafizabad	16,140	365	10286	651	40.33
10 A U.S. W.	7 FUD.R 89.7	44 05	De 1 (00) (0	100000000000000000000000000000000000000	11 11 11	1000

41     3     9       1       106     1     5       4       105     9     31          2      49     6     38         4      697     44     107         1      155     9     39								1	-	-
Suicide   Suic	1		2 11		10 8	-119	Shamos	7	6 21	85
8       9       10       11       12       13       14       15       16             19       2       10   <	3	es.	Injurie	CLATS	d's-	and	Monas—Es		188	KOIN
90 8 37 1 5 19 2 10 10 18 267 18 605 26 1 40 9 17 4 1 61 15 34 2 27 7 5 1 27 7 5 1 106 1 1 5 1 106 1 5 4 105 9 31 1 105 9 31 1 28 49 6 38 3 28 3 29 44 3 3 3	Snake-bite.	Wounds and accidents.			200 250	Dysentery Diarrhea.	Fevers.	Plague.	Smallpox.	Cholera.
90 8 37 1 5  19 2 10 10  146 14 40 10  5 7 11  18 267 18 605 26  87 1 27 44  40 9 17 5  1 61 15 34 2  1 41 3 9 1  106 1 5 41 3 9 1  106 1 5 41 3 9 1  106 1 5 41 3 9 1  106 1 5 44  105 9 31 11  106 1 5 44  105 9 31 11  106 1 5 44  107 49 6 38 11  107 1 11  108 1 1 155 9 39 39 39	17	16	15	14	13	12	11 (1)	10	9	8
19 2 10		Curd	upur Dietri							
19 2 10 10 10 10 10	10.	5	7. 10	499 1	37	8	90	.8"	.20	-
18	29.	Die. Na	3134 705		10	2	19			
18        5        7         26         87       1       27         4          1        40       9       17         4          1        61       15       34         2          27       7       5	89.	10	de		40	14	146	-01		-93
3       1       27        4         40       9       17         5         1       61       15       34         2          4        3	50_	moduca	3 9		7		5			
1        40       9       17         5          1        61       15       34         2           27       7       5               41       3       9         1	.95	26		100	605	18	267	5re	18	80
1        61       15       34         2           27       7	96	4	on Namake		27	1	87	1.0	er	81.
1        61       15       34         2	76.	nds2005			1017	9	40	8 .3		80
2       923       94       469       1        10         1       106       1       5        4       10         1       105       9       31        4         2       49       6       38        3         3         10           41       3       9         10         4       105       9       31            4       697       44       107             4       155       9       39	86	malbat 2			34	15	61			811
2 923 94 469 1 10 106 1 3 9 1 105 9 31 4 58 7 28 1 2 49 6 38	66	Ourdaspu.	ur Civil Line	+	288					
2        923       94       469       1        10         1        106       1       5         4         105       9       31         1         58       7       28            4        697       44       107           4        697       44       107            39                1        155       9       39	100	Dalbouse	e Cantonna		1703		4			
2        923       94       469       1        10           41       3       9         1           106       1       5         4            9       31   <	101	Balton D	antonment		5	7	27	1	-81	
<td></td> <td>Sielle</td> <td>of District.</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>		Sielle	of District.							
1 106 1 9 31 4 105 1 58 7 28 1 1 4 107 4 155 9 39 3	2011	1011110	1		469	94	923	12 . 21	2	beer
1 106 1 9 31 4 58 7 28 1 1 58 49 6 38	SpT	1			19.170	3	41		**8	
105 9 31	1.04	4			5	1	106		100 M	1011
58 7 28 alama 697 44 107	ant	awound1			31	9	105		No.	1000
6 2 38 1 697 44 107	pat	Chawfinda		-	28	7	58		10 10	
697 44 107 slaver 3	TOL	Sinkob Di	dromon, has		38	6	49			
155 9 0 39		Guicom	waln Distric							1
39	108	Chillena	al		107	44	697	100	n.4	288-1
	201	and sales 3	B		39	9	155	1		130
53 2 12	0	Endnished	1		12	2	53			
10 3	111	post. 21			7.00.7		DAY TO			
186 1 32	21.1	b dieff 2			32					

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1	11 2	301	11	-concld.		12	13
ber.	language.	estimat-		ties—concl	i.	auses.	s from
Serial Number.	B.—Towns.	Mid-year estimated population (1939).	Killed by wild beasts.	Rabies.	Total.	All other causes,	Fotal deaths from all causes,
1 11	01 2 201	381	18 2	19	20	21-8	22
	Gurdaspur District.						
91	Gurdaspur	13,826	.8	00	6.	28	169
92	Dina Nagar	5,982	.2.	181		14	45
93	Pathankot	11,148	.46	146	10	24	234
94	Dalhousie	1,102			1-	3	-16
95	Batala	39,828	.81.	701	27	51	986
96	Dera Baba Nanak	5,892	- 11	87.	5	15	135
97	Fatehgarh	7,791		.04	5	21	93
. 98	Qadian	7,729	15.	100	2	18	131
99	Gurdaspur Civil Line	986					
100	Dalhousie Cantonment	1,071		1.5			- 7
101	Bakloh Cantonment	4,154	.78	27.		10	49
	Sialkot District.					137	1
102	Sialkot	102,129	1.48	828	12	350	1,850
103	Daska	10,176	.84	1.13	1	36	90
104	Pasrur	9,863	bs	108	4	40	157
105	Narowal	8,979	.02	1001	1	50	196
108	Chawinda	7,716	. 88	58.		23	116
107	Sialkot Cantonment	17,562	A.	.01		27	122
	Gujranwala District.						T
108	Gujranwala	67,184	i sthe	697.		210	1,062
109	Wazirabad	24,750	1.8	155	3	45	252
110	Eminabad	8,771	Se /	.88		15	82
111	Akalgarh	7,057	-80	01		19	39
112	Hafizabad	16,140	.15	186.	2	8	229
							The same of

14

RATIO OF	DEATHS	PER 1	.000 OF	POPULATION.
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To be			1 10	P.F.	ory	10	Jer.	From all	causes.
Cholera.	Smallpox.	Plague.	Fevers.	Dysentery and Diarr- hosa.	Respiratory diseases.	Injuries.	All other causes.	For the year.	Mean ratio of previous five years.
23	24	25	26	27	28	29	30	31	32
							na District	Sheikhopu	
14-8	211			55	788,	-		alga	8 811
8.99	270		120	144	720,			nestepur	18 511
28-38	291		6.51	0.58	2.68	0.43	2.02	12.22	13.52
0-61	ars.	9.	3.18	0.33	1.67		2.34	7.52	16.38
ra-06	489		13.10	1.25	3.59	0.90	2.15	20.99	25.47
			4.54		6.35	0.91	2.72	14.52	15.42
42.7	0.45		6.70	0.45	15.19	0.68	1.28	24.76	24.18
82.7	000		14.76	0.17	4.58	0.85	2.54	22.91	22.91
1.28	0.13		5.13	1.15	2.18	0.64	2.69	11.94	13.22
48.83	0.13		7.89	1.94	4.40	0.26	2.33	16.95	4.23
89.00	808		101	IN	26778			ngn	121 D
19:20	81		3.73	8	2.80		out.1	6.23	2.80
			6.50	1.68	1.20		2.41	11.79	14.44
87.14	222		001	113	800,3		- 13	abpar	123 8
45.78	0.02		9.04	0.92	4.59	0.12	3.43	18.11	18.58
37.0	0 02	111	4.03	0.29	0.88	0.20	3.54	8.84	8.25
7-11	808		10.75	1.65	1.88		4.05	15.92	19.67
0.10	598		286	0.10	[0.51	0.40		dadend	23.72
38-4	510,1		11.69	1.00	3.45	0.11	5.57	21.83	17.50
15-4	107		7.51	0.91	3.63	1	2.98	15.03	2 nov
61-46	0.11		2.79	0.34	2.16		1.24	6.95	7.29
	1		1	15		101	District	Ibelum	
0.70	0.08		10.37	0.65	1.20		3.12	15.81	18.88
	0.04		6.26	0.36	1.57	0.12	1.82	10.18	11.92
0.08	400		6.04	0.53	1.37		1.71	9.35	11.29
27.9	298		1.42	0.42	0.99		2.69	5.53	8.64
9.11	74		11.52	0.08	1.98	0.12	0.49	14.19	15.30

Sheikhupura District.	-		1 1	CXII			
Sheikhupura District.	1	2	3	24	4		
Sheikhupura District.			on l		BIRT	HS.	
Sheikhupura District.	Serial Number.	B.—Towns.	Mid-year estimed population (1939). Males. Females.		PATTO OF	118	0 p
113   Sangla   .	1 88		3	4	5	6	7
114		Sheikhupura District.					
115 Nankana Sahib	113	Sangla	7,667	55		114	14.87
115	114	Sharakpur	6,027	144	126	270	44.80
116	FG. 61	2.03 12.33	11,037	158	133	291	26.36
Sheikhupura	90.00	Shahdara	6,271	162	151	313	49.91
Gujrat District.       29,779       641       631       1,272       42-         119 Jalalpur       14,310       228       241       469       32-         120 Kunjah       8,754       183       240       423       48-         121 Dinga       8,496       141       162       303       35-         122 Gujrat Civil Line       933       9       9       18       19-         Shahpur District.       5,978       113       109       222       37-         124 Sahiwal       8,981       221       190       411       45-         125 Bhera       22,733       449       394       43       37-         126 Miani       7,264       165       138       303       41-         127 Khushab       16,495       307       286       593       35-         128 Sargodha       31,313       572       474       1,046       33-         129 Shahpur Civil Station       3,680       30       27       ,57       15-         130 Phularwan       3,384       115       93       208       61-         132 Pind Dadan Khan       11,267       202       204       406       36-<	4.8 . 02	Total State Manager of the State of the Stat	14,518	335	254	589	40.57
118       Gujrat       -        29,779       641       631       1,272       42         119       Jalalpur        14,310       228       241       469       32         120       Kunjah         8,754       183       240       423       48         121       Dinga       S.496       141       162       303       35         122       Gujrat Civil Line        933       9       9       18       19         Shahpur District.         123       Shahpur District.       5,978       113       109       222       37         124       Sahiwal       8,981       221       190       411       45         125       Bhera       22,733       449       394       43       37         126       Miani       7,264       165       138       303       41         127       Khushab       16,495       307       286       593       35         128       Sargodha       31,313       572       474       1,046       33         129       Shahpur Civil Station       3,680       30       2	25 GS	1 23.72 24.23	8-35	-	4.64		B 31
119       Jalalpur        14,310       228       241       469       32         120       Kunjah         8,754       183       240       423       48         121       Dinga       8,496       141       162       303       35         122       Gujrat Civil Line        933       9       9       18       19         Shahpur District.         123       Shahpur       5,978       113       109       222       37         124       Sahiwal       8,981       221       190       411       45         125       Bhera       22,733       449       394       43       37         126       Miani       7,264       165       138       303       41         127       Khushab       16,495       307       286       593       35         128       Sargodha       31,313       572       474       1,046       33         129       Shahpur Civil Station       3,680       30       27       ,57       15         130       Phularwan       3,384       115       93       208       61	110	1.58   54:10	29,779	641		1,272	42.71
120       Kunjah         8,754       183       240       423       48-121         121       Dinga       8,496       141       162       303       35-122         Gujrat Civil Line        933       9       9       18       19-12-12         Shahpur District.       5,978       113       109       222       37-12-12         Sahiwal       8,981       221       190       411       45-12-12         Bhera       22,733       449       394       43       37-12-12         Miani       7,264       165       138       303       41-12         127       Khushab       16,495       307       286       593       35-12         128       Sargodha       31,313       572       474       1,046       33-12         129       Shahpur Civil Station       3,680       30       27       ,57       15-15         130       Phularwan       3,384       115       93       208       61-15         131       Jhelum District.       20,805       377       398       775       37-15         132       Pind Dadan Khan       11,267       202	14.82	2.24 25.01	8:0 825-6	0.17	14:76		32.77
121   Dinga   S,496   141   162   303   35     122   Gujrat Civil Line     933   9   9   18   19     Shahpur District.	10.07	7 PG. II 69.5	8+28 _ 010	1.16	81-8	81.0	48.32
122   Gujrat Civil Line   933   9   9   18   19	60 8	98.91   88.2   99	4 col - 1 ob - 5	1-94	7-80	86.0	35.66
Shahpur District.         123       Shahpur        5,978       113       109       222       37-         124       Sahiwal       8,981       221       190       411       45-         125       Bhera       22,733       449       394       43       37-         126       Miani       7,264       165       138       303       41-         127       Khushab       16,495       307       286       593       35-         128       Sargodha       31,313       572       474       1,046       33-         129       Shahpur Civil Station       3,680       30       27       ,57       15-         130       Phularwan       3,384       115       93       208       61-         131       Jhelum       20,805       377       398       775       37-         132       Pind Dadan Khan       11,267       202       204       406       36-         133       Chakwal       10,679       156       142       298       27-	350		1.		4 4		
123     Shahpur      5,978     113     109     222     37-       124     Sahiwal     8,981     221     190     411     45-       125     Bhera     22,733     449     394     43     37-       126     Miani     7,264     165     138     303     41-       127     Khushab     16,495     307     286     593     35-       128     Sargodha     31,313     572     474     1,046     33-       129     Shahpur Civil Station     3,680     30     27     ,57     15-       130     Phularwan     3,384     115     93     208     61-       131     Jhelum     20,805     377     398     775     37-       132     Pind Dadan Khan     11,267     202     204     406     36-       133     Chakwal     10,679     156     142     298     27-	122	1 66'8	08.8			10	19-29
124     Sahiwal     8,981     221     190     411     45°       125     Bhera     22,733     449     394     43     37°       126     Miani     7,264     165     138     303     41°       127     Khushab     16,495     307     286     593     35°       128     Sargodha     31,313     572     474     1,046     33°       129     Shahpur Civil Station     3,680     30     27     ,57     15°       130     Phularwan     3,384     115     93     208     61°       Jhelum District.     20,805     377     398     775     37°       132     Pind Dadan Khan     11,267     202     204     406     36°       133     Chakwal     10,679     156     142     298     27°	49.91	1 97.11. 111.2	03-1				22.0
125       Bhera       22,733       449       394       43       37         126       Miani       7,264       165       138       303       41         127       Khushab       16,495       307       286       593       35         128       Sargodha       31,313       572       474       1,046       33         129       Shahpur Civil Station       3,680       30       27       ,57       15         130       Phularwan       3,384       115       93       208       61         131       Jhelum District.       20,805       377       398       775       37         132       Pind Dadan Khan       11,267       202       204       406       36         133       Chakwal       10,679       156       142       298       27	123	The state of the s					37.14
126       Miani       7,264       165       138       303       41         127       Khushab       16,495       307       286       593       35         128       Sargodha       31,313       572       474       1,046       33         129       Shahpur Civil Station       3,680       30       27       ,57       15         130       Phularwan       3,384       115       93       208       61         Jhelum District.       20,805       377       398       775       37         132       Pind Dadan Khan       11,267       202       204       406       36         133       Chakwal       10,679       156       142       298       27	124	TTT.81 8F-8 31	0	0.03	90.0	0:02	45.76
127       Khushab       16,495       307       286       593       35         128       Sargodha       31,313       572       474       1,046       33         129       Shahpur Civil Station       3,680       30       27       ,57       15         130       Phularwan       3,384       115       93       208       61         131       Jhelum       20,805       377       398       775       37         132       Pind Dadan Khan       11,267       202       204       406       36         133       Chakwal       10,679       156       142       298       27	125	8.84 8.84	0 88 0	0.20	80-5		37.08
127     Khushab     16,495     307     286     593     35       128     Sargodha     31,313     572     474     1,046     33       129     Shahpur Civil Station     3,680     30     27     ,57     15       130     Phularwan     3,384     115     93     208     61       Jhelum District.     20,805     377     398     775     37       131     Jhelum     20,805     377     398     775     36       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	126	Miani	7,264	165	138		41.71
128     Sargodha     31,313     572     474     1,046     33       129     Shahpur Civil Station     3,680     30     27     ,57     15       130     Phularwan     3,384     115     93     208     61       Jhelum District     20,805     377     398     775     37       131     Jhelum     20,805     377     398     775     37       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	127	Khushab	16,495	307	286	593	35.95
129     Shahpur Civil Station     3,680     30     27     ,57     15       130     Phularwan     3,384     115     93     208     61       Jhelum District.     20,805     377     398     775     37       131     Jhelum     20,805     377     398     775     37       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	128	Sargodha	31,313	572	474	1,046	33.40
130     Phularwan     3,384     115     93     208     61       Jhelum District.     20,805     377     398     775     37       131     Jhelum     20,805     377     398     775     37       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	129	Shahpur Civil Station	3,680	30	27	0.00	15.49
131     Jhelum     20,805     377     398     775     37       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	130	Phularwan	3,384			208	61.46
131     Jhelum     20,805     377     398     775     37       132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	88.81	Jhelum District.	03.1	*****	ro.or		
132     Pind Dadan Khan     11,267     202     204     406     36       133     Chakwal     10,679     156     142     298     27	* 1	Jhelum	20,805	377	398		3.7-25
133 Chakwal 10,679 156 142 298 27	132	Pind Dadan Khan			204	406	36.03
80 8 0.00 00.2 - 4.00.0 57.0 57.1 - 4.00.0		Chakwal	10,679	156	142	298	27.90
134   Jhelum Cantonment 6,416   39   35   74   11	134	Jhelum Cantonment	6,416	39	35	74	11.53
00.01 01.01 00.0 01.0 0 00.0 00.0 00.0	08,97	41.31 62.0 31	.0 14 80.1	90.0			1

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8 48	9	10	11	12	13	14	15	16
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120	1	-	129	6	11	10.00	37 1. 19	and 1
			89	4	15		O Livin A	alun 3
18		. 7	6			tol-	abpur Dies	
100	1 70				2 000	7.00		dad8 8
100	9	-	80		878,8	1.	1 740 775	
180	Sean	1	123		180,84	1		
404	77 4	10-	208	9	24			10
184	14	-8	113		96	144	133	10
280	100.700	8	0.41	1	15	13.1	- W. Totali	
013-	881	-9	163	24	32	ps :-	dan. 88	
12-	:	-	132	133	120	tation	Bur Civil a	dida 9
	90		11	4	8	27 ** (	27 Haway	and d
09	0.	7	19		20	fet	dum Dist	
814	1 24	16	1	1	20,806		/10	
180	2	8	135	8	108	1	DESIGNATION OF	13
165		1.	58	20	72	10	8-50" Div	2
901	1 85		94	8	20	- 15 Tanan	d cuiton	7
- 14	10-00	- 1	7	2	4	- Dillotto	- 13.	19.
-		-	1100	200	N. Park		1	

		701	D		oncld.	7	12	13
			In.	JURIE	s—conc	id.	les.	Total deaths from all causes.
	.saisutil	fidyear estimated population (1939).	e.	by usts.	1		All other causes.	ths
ber.	B.—Towns.	ear po 39).	Snake-bite.	Killed by wild beasts.	es.	1	il other	otal death
Number.	apla sela	Midyear ed po (1939).	Snak	Killed	Rabies.	Total.	All o	Tota
1	2	3	17	18	19	20	21	22
- 19	1 31 41	81	1		1 13	01		-
	Sheikhupura District.							
113	Sangla	7,667	2,407		55.		17	30
114	Sharakpur	-6,027	6,027		134	290	16	98
115	Nankana Sahib	11,037	1.027		1	1	31	87
116	Shahdara	6,271	647		1	161	13	83
117	Sheikhupura	14,518	440%		305	254	32	120
	Gujrat District	01			0.00			
118	Gujrat	29,779	27, 02		355	7	77	599
	Jalalpur	14,310	49.0		ori	2	26	237
120	Kunjah	8,754	8, 181		000	2	19	167
121	Dinga	8,496	8.48		00	i	11	120
122	Gujrat Civil Line	933	4.5		9	1	1 1	6
	Shahpur District.				8	**	-	
123	Shahpur	5,978	5,008		7.	101	1 5 0	100
124	Sahiwal	8,981	8,95.1	٠	80	4	38	189
125	Bhera	22,733	2.7		128	10	77	404
126	Miani	7,264	7.24.0		208	8		164
127	Khushab	16,495	a.c.f		1811	2 8		260
128	Sargodha	31,313	24.		163	1	125	519
129	Shahpur Civil Station	3,680	88	1	132	1	1	21
130	Phularwan	8 3384	3.314		15.	- 1	20	59
	Jhelum District.	20		1.	181		-	
131	Jhelum	20,805	0,8 61		1	16	45	314
132	Pind Dadan Khan	11,267			185	9 5	44	196
133	Chakwal	10,679	20.00		83	1	35	165
134	Jhelum Cantonment	6,416			94	-	1	14
		1 1	2		10			**

5	-8		7 1 3		14		10			12	1
200		BUT	RATIO OF	DEATHS 1	PER	1,000	OF	POPUL	ATION.		ber
100 100 100	. 1		-	Lt ·		ry 8	5 7		-etwoT	From al	l causes.
Cholera.	Smallpox.	Plague.	Fevers.	Dysentery and Diarr- hœa.		Respiratory diseases.	now-Ellie	Injuries.	All other causes.	For the year.	Mean ratio of previous five years
23	24	25	26	27		28	3	29	30	15 31	32
- 1								11-3	di Diatrio	Rawalpin	1
48.4	8,719		1,792	1,027		87,684		1.		buiglewal	136
48.8	0.13		1.30	1.1		0.26	100	11.	2.22	3.91	8.35
54.8	0.18		12.44	20		0.99		1	2.65	16.26	23.39
14.2	0.18		282	0.27		1.24		0.00	2.81	7.88	10.08
48.6	0.10		2.99	0.48		3-67		0.09	2:07	13-23	12:76
29.0	426		4.48	0.34	15	1-24	1		2:20	8:26	9.71
15.08	183		4.48	the day		8,817		4	.,		
28-2	244		11.92	0.91		4-47		0.23	2.58	20.11	23:57
7-85	0.07		7.90	1.19		5:45		0.14	1:82	16:56	20.54
13.0	201		14.74	0.68		1.26		0.23	2.17	19.08	20:10
	-		10.47	0.47		1-76			1.29	14.12	12.48
37.9	709		6.43	859	10	8,698		12		6.43	7.50
46.13	354		181	193		1.814		24	-	halikar	146 1
84.20	1.20		13.38	601		0.67		0.17	1.00	16.73	17.06
87.34	384		13.69	818		2.67		0.44	4.23	21.04	19.15
aà-08	0.17		9.15	0.39		4.22	2	0.44	3.39	17.77	19:75
10.00	1.93		15.56	0.14		2.08		0-41	2.48	22.58	19-96
42.80	0.42	**	9.88	1:45	8	1.94	1	0.18	1.88	15.76	15,16
***			4.21	4.25	-	3.83		0.29	3-99	16:57	12.49
42.50	2,482		2.99	1,20-0		2:17		0.27	0.27	5-71	10.60
18.18	448		125.61	162		5.91			5.91	17:43	18-91
84.82	256		BIT	1811	0	238,7		1		ewnallbus	164
40-28	0.10		6.49	0.38		5-19		0.77	AT WARRANT	15.09	16:20
28-60	201		8 5.15	2 L-77	1	6.39		0.18	3-90	17.39	18-19
84-88	0.09		8.80	0.75		1.87		0.65	3 • 28	15:45	17:60
30.48	218		1.09	0.31		0.62			0.15	2.18	
-		-				I L	-	1		-	1

1	2		3	T1-cond		4	18		
	TOR,	PULA	mat-	BIRTHS.					
Serial Number.	editod	- Parister	Mid-year estimated population (1939).	Males.	Females.	Total.	Birth rate per 1,000 of popula- tion.		
1	18 2 08	69	3	4	5	8 8	7		
	Rawalpindi Distric	t.			1				
135	Rawalpindi		87,684	1,927	1,792	3,719	42.41		
136	Murree		1,965	41	55	96	48.85		
137	Murree Cantonment	1	717	20	19	39	54 .39		
138	Rawalpindi Cantonn	nent	46,348	376	282	658	14.20		
	Attock District.	60.0	10,040	84.818	2.09	8110	- 1385		
139	Pindigheb		12,359	010	20-7 264	577	46.69		
140	Hazro		10,918	229	197	426	39.02		
141	Campbellpur		8,817	71	62	133	15.08		
142	Hassanabdal	88-	6,374	10 119	20 125	244	38.28		
143	Tallagang	14.	7,865	01-137	00-7153	290	36.77		
144	Campbellpur Canton		3,912	23	17.124	47	12.01		
145	Mianwali District	SI	18,698	359	350	709	37.92		
146	Bhakkar		7,844	193	161	354	45.13		
147	Isa Khel		8,831	169	133	302	34.20		
148	Kalabagh	71.0	9,748	213	88-81	364	37.34		
	Montgomery Distric	99-0	2.67		69-81	0- 70	404		
149	Montgomery	19.0	29,099	468	424	892	30.65		
150	Pakpattan	Th-10	12,829	263	251	514	40.06		
151	Okara	2.1-0	12,990	296	88- 260	556	42.80		
98-95	Lyallpur District.	02-6	88.8	1.52	12.7	4-1-4			
152	Lyallpur	20.0	49,131	1,284	001,148	2,432	49.50		
158	Gojra		11,847	281	18 217	448	37.81		
154	Tandlianwala		7,352	143	113	256	34.82		
03155	Chak Jhumra	272 0	5,095	88 104	@ 101	205	40.23		
8 156	Toba Tek Singh	21-0	6,818	77112	an-a 83	195	28.60		
157	Jaranwala 8.2 8	30	8,641	27171	08-8130	301	34.83.		
1158	Kamalia 2.1.0		15,578	18338	90-1277	615	39.48		

5 6 7		8	9	10		11	1 5	
or) adda	calibica		120	and	y dis-	and the same of th	Injuries.	d bear
FB.	Smallpox.	ne.	r. S.	Dysentery Diarrhoea.	Respiratory eases.	Suid		Wounds and accidents.
Cholera.	Smal	Plague.	Fevers.	Dyse Diar	Respira	Males.	Fe. males.	Wou
8	9	10	11	12	13	14	15	16
2,00	340	18			480,78	Solution	Khemlawa S	a lasts
a	10		1,063	125	394	1	o omo	63
	s		34		9	dui mme	mail Carried	781
15	88 5-02		1-mi	1	238,848	no not na	pholologicand	
	1		64	15	66	intrict	Attock B	
	1	D	152	13	124	1	of origination	
		2	102		77	3	20 0138	
	1		16	1	5		dana d	
	or		68	4	33	1	a non otto	
	1		70	5	49			
		7	15		1		Janour Manager	
	P . 1		110	10	18,008	PI · s	. Hawani k	
	8	e	119 110	16	24	1	agris stant	140 0
81	2 6-11	8	71	18	17	40 3	Jolesi Zh 64	
12.	1	2	92	38	25		oglandsipl	
			02	1		y District		
24	07 12	8	77	16		1	Symponics	
	18	8	169	3	12		agpatian	
	20 0 1	a	64	5	000,01 37	100		
	0020-00	18	evei .	lores.	SEPOP 0	District	gallpur	162
81	1	8	636	31	194	3	ojes aq	2 831
r	a		60	6	34	14	dewanilbasi	
p	01	· · ·	59	1	390.3	100		
9	SX 0-15	8	57		818.0	use use	Belo'l' ado	
11	8 1	a	30	1	140.8 14	100	palawapan	167
25	28 0-13	8	96	2	39	- KO   9	anning pl	158 01
	2		143	3	51	1	1	

							1	
1	2	3	6	11-	concld.	7	12	13
er.	Injunia	Mid-year estimated population (1939).  Snake-bite.  Killed by wild beasts.  Rabies.  Total.				cld.	ises.	Total deaths from all causes.
Serial Number.	B.—Towns.	r est opul	ite.	by asts.			All other causes.	aths
N Is	Supplied	-yea.	Snake-bite.	Killed by wild beasts	ies.	-	othe	al de caus
Seri	Ales.	Mid ed (19	Sna	Kill	Rabies.	Total.	TV IV	Tot
1	2	3	17	18	19	20	21	22
30	16 16	18	12	10		10	9	8
	Rawalpindi District.			7				-
135	Rawalpindi	87,684	1	07-2		64	349	2,005
136	Murree	1,965	Day.	12:		1	13	57
137	Murree Cantonment	717		2.0		10 1	3	5
138	Rawalpindi Cantonment	46,348				7	** 88	241
139	Attock District. Pindigheb	12,359	GI	0.0		6	51	347
140	Hazro	10,918	18	1981		2	25	206
141	Campbellpur	8,817		201		1	4	28
142	Hassanabdal	6,374	1	16		1	35	141
143	Tallagang	7,865	b	80	1	7	18	149
144	Campbellpur Canton-	3,912	8	70			233	16
	ment. Mianwali District.			15				12:01
145	Mianwali	18,698				50 4	35	212
146	Bhakkar	7,844				2	3	140
147	Isa Khel	8,831		17		2	12	121
148	Kalabagh	9,748	90			7	48	210
	Montgomery District.		00				**	
149	Montgomery	29,099	16	-4.5		. 8	21 76	248
150	Pakpattan:	12,829	8	189		3	43	248
4 151	Okara	12,990	5	-60		. 5	66	178
152	Lyallpur District	49,131				31	200	1,093
153	Gojra	11,847	18	830		3	35	138
154	Tandlianwala	7,352	a	00/		1	5	71
155	Chak Jhumra	5,095		922		2	10	76
156	Toba Tek Singh	6,818		100		3	13	62
157	Jaranwala	8,641	1	80		5	9	151
158	Kamalia	15,578	2 2	90		3	52	254
8 20		3 40,000	8	148			Gra	23.5

-			BHT	RATIO	OF DEATHS	PER 1,000	OF POPUL	ATION.	DEC MA	1 4
1	1.8		1999	1	lire-	I Å	E S	ler	From a	Il causes.
-	Cholera.	Smallpox.	Plague.	Fevers.	Dysentery and Diarr- hoea.	Respiratory diseases.	Injuries.	All other causes.	For the year.	Mean ratio of previous five years
	23	24	25	26	27	28	29	30	31	32
1	3							dolytalO	Jhang	
0	0.79	0.11		12.12	1.42	4.49	0.73	3.98	22.87	21.49
3	0-1-0	-x08,		17.30	0.071720	4.58	0.51	6.61	29.01	21.37
01	28-8	.881		8	1.39	6 .216.	1.39	4.18	6.97	11.16
8	20-0	0.02		1.38	0.32	1.42	0.15	1.90	5.20	5.52
-	-2.	0.08		12:30	1.05	10.03	0.48	4.13	28.08	17.96
S	44.8	.088		9.34	of Car	7.05	0.18	2.29	18.87	17.58
8	6.08	0.11		1.81	0.11	0.57	0.11	0.45	3.17	7.60
12	83.4	420.		10.67	0.63	5.18	0.16	5.49	22.12	27.92
8	1.03	372.		8.90	0.63	6.23	0.89	2.29	18.94	13-99
0	38.4	. 0.18		3.83	108 18	0.25			4.09	2.81
ō	84.6	888		6.36	0.85	2.03	0.21	1.87	11.34	10.32
				14.02	0.13	3.06	0.25	0.38	17.85	24.22
8	48.6	0.11		8.04	2.04	1.92	0.23	1.36	13.70	15.06
ě.	42.6	131		9.44	3.90	2.56	0.72	4.92	21.54	20.62
1		1.801		19	00 28	2 1000	6	- 1.	andr	172 A
10	87-8	0.41		2.65	0.55	2.03	0.27	2.61	8.52	8.35
1	88.6	1.40		13.17	0.23	0.93	0.23	3.35	19.33	15.51
-		0.08		4.93	0.38	2.85	0.38	5.08	13.70	14.24
1	1.88	0.02		12.94	0.63	3.95	0.63	4.07	22.25	20.17
10	8-28	410.		5.06	0.51	2.87	0.25	2.95	11-65	11.14
2	481.40	383.		8.02	150	0.82	0.14	0.68	9.66	10.20
100	arte	180.	• 0=	11.19	201	1.37	0.39	1.96	14.92	3.92
1	8118	0.12	-	4.40	0.15	2.05	0.44	1.91	9.09	7.04
0	071	1281		11.11	0.23	4.51	0.58	1.04	17-47	20.48
1	32.3	0.13	130	9.18	0.19	3.27	0.19	3.34	16.30	18.23

1	2	1	3	II I	-const. 4	B	
Ser'al Number.	B.—Towns.	2099 2019	Mid-year estimated population (1939).	Males.	Females.	Total.	Birth rate per 1,000 of popula- tion.
18	18 2 %		3 8	4 79	5	82 6	7
	Jhang District-	62	1				
159	Jhang-Maghiana	8.0	42,918	1,064	854	1,918	44.69
160	Chiniot	125	31,013	697	668	1,365	44.01
161	Ahmadpur	tea-	5,642	98.77	86	163	28.89
162	Shorkot	2.0	7,804	114	88 120	234	29:98
163	Multan District.	25	125,768	2,731	2,569	5,300	42.14
164	Shujabad	.81	7,363	169	161	330	44.82
165	Mian Channu	.11	5,048	81	18-175	156	30:93
166	Khanewal	.01	12,568	230	70-190	420	33.42
167	Kahror	.08	8,545	192	180	372	43.53
168	Tulamba		5,330	108	102	210	39.40
169	Multan Cantonment		12,618	218	218	436	34.55
10-82	Muzaffargarh Distric	t. 18	0 80-8	0850	88-8		
170	Muzaffargarh	85	6,991	148	157	305	43.63
171	Khangarh	28	3,071	78	53	131	42.66
172	Alipur	97.	4,464	82	81	163	36.51
173	Leiah .		11,058	234	185	419	37.89
174	Karor	87	3,885	94	56	150	38-61
175	Muzaffargarh Civil Li	ne	229	0128	13-17	04	
	Dera Ghazi Khan Dist	rict.	0 8848	- 88 0 -	66-7	80	
176	Dera Ghazi Khan	-58	27,587	509	10-488	997	36.14
177	Jampur	-50	10,876	214	80-202	416.	38:25
178	Dajal	-3-1,	6,876	156	20-177	333.	48:43
179	Rajanpur		5,303	103	96	199.	37.52
180	Kot Mithan	. 2.3	2,947	ar 87	04-164	151	51:24
181	Taunsa	-88	8,003	89 69	59	128.	15:99
	Total	-01	3,444.129	68,875	61,836	130,711	37: 95
	Total for the Province	e	27,231,113	588.531	523,073	1,111,604	40.82

81 6	81	в	7	8 1	9	8 10	8	11	I
thom	, ag		doneid,	BRIBORNI	pus	dis-		Injuri es.	3
ad Jo	Conti			And and	ry ea.	ory	Suic	cide.	Wounds and accidents.
Cholera.	o de la constante de la consta	Smannor.	ens.	ers.	ente	Respiratory eases.		80	Vounds ar
Cho	1	эшс	Plague.	Fevers.	Dysentery Diarrhœa.	Respire	Males.	Fe- males.	Won
8	IE IE	9	10	11	12	13	14	15	16
							District	Jhaug	
8	218	24		416	. 44	148	analds	Than-Ma	
d	P	7		251	24	113		dolmil	
	4			24	. 6	12		Ahmedgus	191
	0 20	2		45	7	08,7 30		dodrodd	
4 0.	6 18	17	1 11	182	549	973	District	Melian	3
	1,0,1		-13-8	98	26	36	1	Indel 1	1
			201	16	6	14	3.07	men'S.nail	12.5
			1.00	69	4	19	3.03	Lawrend	
	10 12	1	9:81	84	10	15	3.2	South X	TAI
				87	9.31	2	0,07	ndanata	23
	1 .			41	. 2	16.	Ineviace	Multas Can	
							rh District	dozaflaren	
1	1			46	3	21	1	and and and a	07.0
				39	7	110.E 5	0.00	(hierman)	3.71
1	88 .			58	2	180 A . 5		T. silgilly.	
1	er .			152	3	azo, 14- 10,		Leiaber	
	102 .			48	3	288.8 9	0.40	21-strengt	1922
	-				**	. 220	in Civil Elli	Muzadiarga	
						34	han Distri	den Chari B	
54	915	19		186	48	77	enitz	Dorn Charl	
u	0500	1		62	12	avs.or 29		Lanipus	
99	9.0	1	1 -22-4	120	4	nvs,n 36	1	20.112.40	
п	Abs	2	2 -2	67	4	808,5 22	1	. andanian	
8	81 .		1	65	3	740,20 5		and HE Both	
8	10			66	1.0-0	800,8 5	22 .	Psonsa	
69,924	2	930	281.1	29,410	4,348	251.16.309	52	14	1,07
pren 1	9 4	311	C20.5	408,676	10,489	79,775	241	188	6,42

	1	1 11 2 2	00 3	0	112	concld.	7	0 12	8 13
	er.	-estinutest	Mid-year estimated population (1939).	Бла	INJUR	IES—co	oncld.	les.	Total deaths from all causes.
	dmi	Suicite	esti	· e	by sts.	1		caus	ths
	IN	B.—Towns.	pol pol	e-bit	bea	.88	6	her	dea
	Serial Number.	office of the	lid-y ed (193	Snake-bite.	Killed by	Rabies	Total	All other causes.	otal deat
	_	54 5	2	1 00	M	M	HEI	1 20 4	OH
-	8.11	d1 2 11	85 3	17	18	19	20	21	8 22
		Jhang District.							
	159	Jhang-Maghiana	42,918	10.00	41.6		6	213	851
	160	Chiniot	31,013	12 01	252	. 2	7	163	533
	161	Ahmadpur	5,642	1	4.0	1		5	47
	162	Shorkot	7,804		45		3	9	96
	163	Multan District.	125,768	246. 549	182	4	35	1,073	2,829
	164	Shujabad	7,363	92 . 10	88	do	2	36	198
M.	165	Mian Channu	5,048	0	10		2	15	193 51
	166	Khanewal	12,568		9 00	100		19	115
	167	Kahror	8,545	01 10	18	18	4	25	135
	168	Tulamba	5,330	10	78	110		2	91
ST C	169	Multan Cantonment	12,618	g m	10		2	31	92
		Muzaffargarh District.					-		
	170	Muzaffargarh	6,991	2 14	4.0	149		45	116
	171	Khangarh	3,071	7 7	08			15	2 00 66
	172	Alipur	4,464	2	85			39	104
	173	Leiah	11,058	8 25	152		2	19	186
	174	Karor	3,885	8 9	84		1	25	8-83 85
	175	Muzaffargarh Civil Line	229					4. 4	
	Des	Dera Ghazi Khan District						1	
	176	Dera Ghazi Khan	27,587	85. 169	180		. 8	119	457
	177	Jampur	10,876	21 2	4 28		1	70	175
	178	Dajal	6,876	b . 14	025		1	39	201
	179	Rajanpur	5,303	4 4	7 70		- 2	14	111
	180	Kot Mithan	2,947	8	7 åa		1	13	87
	181	Taunsa	8,003		00		::	10	81
	1.07	Total	3,444,129	818.15	4	25	1,185	17,740	69,924
	6,423	Total for the Province 2	7,231,113	823	23	154	7, 852	92,070	603,192
-			-		-			-	

CISTISSES WEED CHITTATE CAUSES IN THE	THE RE	DEATH
RATIO OF DEATHS PER 1,000 OF POPULATION.		

	. 1			× - 1	F.Y	1	ler	From all	causes.
Cholera.	Smallpox	Plague.	Fevers.	Dysentery and diarr- hoa.	Respiratory diseases.	Injuries.	All other causes.	For the year.	Mean ratio of previous five years.
23	24	25	26	27	28	29	30	31	32
	P		32	L t	23	Rall			No.
10	0.56	00.	9.69	1.02	3.45	0.14	4.96	19.83	20.90
	0.22	-	8.09	0.77	3.64	0.22	4.22	17:19	19.41
1		7.	4.25	1.08	2.13	14.8	0.89	8.33	10.28
	0.26		5.77	0.90	3.84	0.38	1.15	12:30	13.58
12.0	0.13		1.45	4.36	7.74	0.28	8.53	22.49	22.15
20.02	4		13-31	3.53	4.89	0.27	4.89	26.89	27.30
01.0	0		3.17	1.19	2.77	58.7	2.97	10.10	7.72
08.0			5.49	0.35	1.51	0.32	1.51	9.15	8.59
	0.12		9.83	1.17	1.75		2.92	15.80	15.10
0.05	1 8		16.32	101	0.37	83	0.37	17:07	16.13
80.0	7		3.25	0.16	1.27	0.16	2.45	7.29	7.21
80-0	1 34		80.0	SIL	600-0		nois	tate and	23911 11.
30-0			07.00 00	200.40	150 Pt-00	0.14	. 6.44	16.59	18.74
10-0	. 1		6.58	0.43	3.00	0	4.88	21.49	33.86
.07	1 8		12.70	2.28	101.63		8.74	23:30	22.85
1.20.0	11 14		12.99	0.45	1.12	0.18	1.72	16.82	20.07
			13.74	0.27	0.90		6.43	21.88	28.57
10.0	. 23		12.35	0.77	10 00	21		32	34.93
200	4		0.02	121	0.03	126			fadt Dr
90.0	50		0.45	1.74	012.79	0.29	4.31	16.56	17.22
1.50	0.69		6.74		2.67	0.09	6:44	16:09	23.08
	0.09		5.70	0.58	5.23	0.14	5.67	29:23	36.79
10.0	0.14		17.45	0.58	4.15	0.38	2.64	20.93	25.83
0:06	0.38		12.63	578	1.70	080.34	4.41	29:52	36-65
:202	. 0		22.06	1.02	0.62	88	1.25	10.12	10.50
.90.0	. 98	J	8.25	1.26	4.73	0.34	5.12	20.30	19.59
0.0002	0.52	off to	6.24	0.38	2.93	0.29	3.38		21.2
0.001	0.16		15.01	0 38	2 03		1500	this provi	H Jusinye

## SUPPLEMENTARY ANNUAL DEATHS REGISTERED FROM CERTAIN CAUSES IN THE (RURAL CIRCLES)

	DEATHS REGISTER	ED FROM	CERTAIL	CAUSES	IN THE (	RUKALU	TRULES)	
1	g From oll contest	1 3 3	1	Linding	2	1 1	3	
HAO ASSER	Son the other officers.	MAI	ARIA.	Enteri	c FEVER.	FEVER. MEASLES		
mber.	A-RURAL CIRCLE.	92	mille.	1	nille.	25	nille.	
Serial Number.	OS There District, 69.1	Deaths.	Rate per	Deaths.	Rate per mille.	Deaths.	Rate per mille.	
182	88.82 98.0	3	8:4	805	6	7	8	
88	Ambala Division.	0.88	38:8	00.0	14.8	- 8	0	
1 2 3 4 5 6	Hissae Rohtak Gurgaon Karnal Ambala Simla	  42 55	0.05 0.08	486 236 192 56 35	0·54 0·28 0·25 0·06 0·05	188 16 14 124 69 14	0·21 0·02 0·02 0·15 0·10 0·90	
7 8 9 10	Jullundur Division.  Kangra Hoshiarpur Jullundur Ludhiana Ferozepore	40 43 2 7 6	0.05 0.04 0.002 0.01 0.005	101 66 58 112	0·004 0·09 0·07 0·09 0·09	17 146 49 17 94	0·02 0·13 0·05 0·03 0·08	
12 13 14 15 16 17	Lahore Division.  Lahore	11 021 2 9  5	0.02 0.002 0.01  0.02	493 251 242 192 296 72	0·50 0·25 0·23 0·19 0·41 0·09	50 11 218 76 7	0·05 0·01 0·21 0·07 0·01 0·02	
121	Rawalpindi Division.	81.0.00	00.0	12.0	18.74	4	2	
18 19 20 21 22 23	Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali	9 42 126 14 381 42	0·01 0·05 0·22 0·02 0·63 0·10	332 699 121 27 276 222	0·33 0·83 0·21 0·05 0·45 0·51	67 35 14 3 56 7	0.07 0.04 0.02 0.005 0.09 0.02	
809	Multan Division.	60.00'83	2.67	01-1	6.30	. 00	6 1.7	
24 25 26 27 28 29	Montgamery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	1 38 284 280 86	0.06 0.001 0.05 0.24 0.44 0.17	681 817 291 578 424 172	0.60 0.63 0.42 0.49 0.67 0.34	10 50 45 46 	0·01 0·04 0·06 0·04	
69.	Total	1,606	0.07	7,532	0.32	1,466	0.06	

Note.—Columns 5, 8, 10 and 12 for "Kala Azar", "Beri Beri," "Acute prevalent in this province.

FORM No. VI-A.

## 4ND TOWNS OF THE PUNJAB DURING THE YEAR 1939.

4	957-	6		7			9	11	
RLEAU FEV (SPIROCH	ER	INFLUE	ONZA.	CEREBRO: FEVE		Typhus	FEVER.	DIPHTH	ERIA.
Deaths.	Rate per mille.	Deaths.	Rate per mille	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
9	10	11	12	13	14	15	16	17	18
100 00 00 00 00 00 00 00 00 00 00 00 00	9-0kt, 8-	1	0:001  0:001	1 :: 00 1 1 1	0.00 6.001 	31::11:	Division	1 2	0:001 0:002
18148 18189 18144 18144 18144	11	:: :: i	0.001	3	0.004		anilivi	5 1 	0.004 0.001
10.01 06.01 06.03 06.03 06.03 16.73			: : :		::			. 1 	0.001
87 801 18 00 18 18 18 18 18 18 18 17	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	15 	0·02  0·002	2	0.003		::	4	0.004
18-28 18-28 11-02 11-75 18-00	80000 800000 800000 80000 80000 80000 80000 80000 80000 80000 80000 80000 80000 800000 80000 80000 80000 80000 80000 80000 80000 80000 80000 800000 800000 800000 800000 80000 80000 80000 80000 80000 80000 80000 80000 80000 80000 800000 800000 80000 80000 80000 80000 80000 80000 80000 800000 80	29 2  1	0.02 0.001 0.001	1 10000	0.001	1 ::	ow!2	3 13 5 4 6	0.00 0.00 0.00 0.00
01 322		51	0.002	19	0.001			65	0.00

Polimyelitis" and "Black water fever", respectively, are blank as these diseases are not

				-	-	-		-	
	11	6		Contact	1 7	Monte	-3.0	Oww.p. F	Tal.
				CHICKE	N-Pox.	Mum	PS.	23 28,140 18,416 13,959 14,431 13,732 100 15,649 17,054 14,316 11,239 20,264 12,212 16,641 14,027 13,476 11,181 12,290 12,845 10,126 7,238 8,033 7,836 6,890 15,068 17,134 7,635 13,709 12,845	
ATA	A-RURAI	CIRCL	R.	CAL TEN	PROSESSE	0	NULLINA	315	a worse
Serial Number.	A-100MA	· Olucu			- ANT ANT			(JAE)	
mp	A-HUN		par.		ille		nille	1	nille
Nu					111		er n	2 2	4
al				ths	d e	ths	d o	the	6 9
Seri				Deaths.	Rate per mille.	Deaths	Rate per mille.	Dea	Rate per mille.
	1000	Bade		19	1	- 4	1	1881	24
1=	= 2	74		19	20 4	21	22	25	24
18	Ambala D	16	200	1 3 1	4.81	12.4	0.1	701	0
,		AVISIOH.					19 10 19	20.140	31.24
1 2	Hissar Rohtak		::	. 1	0.001	1:		18.416	21.65
3	Gurgaon .			1.000	11	1000	13.00	13,959	18.26
5	Karnal		::		0.004	49	0.08	13 739	17.00
6	Simla			3,	0.004	1.100	0 11 0		6.41
-	Jullundur	Division		30.0	1200		100	110	0.00
7	Kangra .	Division		1	0.001			15,649	18.25
8	Hoshiarpur.			88	0.08		Linner	17,054	15·50 15·12
10	Jullundur Ludhiana			3.	0.003	105	10-05-	11,239	17.29
11	Ferozepore .			304	0.26	60		20,264	17.34
31	Lahore D	ivision.		. 1	008-	-1901	.1	12,212	12.44
12	Lahore .	helplone							
10 13	Amriisar .							16,641	16.97
14	Gurdaspur . Sialkot .			1. 2.	**00g-	:: 12		13,476	13.29
16	Gujranwala-				014	1.000			15.62 15.72
17	Sheikhupura		*:		03-			12,290	10 12
10010	Rawalpind	Divisio	m-	3.	1.055	1 323	0.003	76	0.03
18	Gujrat .								12.76
19	Shahpur .			2	0:002	1.539			12.00
21	Ihe'um . Rawalpindi.		**	2	0.003	-80.0	- 0.0	8,033	13.69
22	Attock .			1	0.001				12·89 15·77
23	Mianwali .	•		.23200	0 -8	200-4	0:40.5	0,890	10 11
10.01	Multan	Division	•			-	P. ST		5-02
24	Montgomery					20.2	0:001		13.28
25 26			**	100:0	0.06	80 4	0.001	7,635	11.02
27	Multan			1004	0.003		6	13,709	11.75
28 29	Muzaffargari Dera Ghazi			2	0.004	2500.0		8,161 6,790	13.65
10.0		Knan	***	2	0 004	177			7.
9.002	Total Es			411	0.02	51	0.002	3,68,592	15.49

. 16		17	2	18		19		20	
DYSEN		DIARRHO	NAME OF TAXABLE PARTY.	PNEUMO	THE PERSON NAMED IN COLUMN TWO IS NOT THE PERSON NAMED IN COLUMN TWO IS NAM	PULMON		OTHER RES	
Deaths, and	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
25	26	27	28	29	30 8	31	32	33	34
197 150 98 220 109 4	0·22 0·18 0·13 0·26 0·16 0·26	190 113 43 551 76 4	0·21 0·13 0·06 0·06 0·11 0·26	898 306 625 1,527 667 59	1.00 0.36 0.82 1.80 0.96 3.78	369 243 178 302 153 10	0.41 0.28 0.23 0.35 0.22 0.64	769 823 908 6,057 4,672 35	0·85 0·97 1·19 7·14 6·74 2·24
129 487 132 73 278	0·15 0·44 0·14 0·11 0·24	1,215 114 20 42 34	1·42 0·10 0·02 0·06 0·03	1,455 1,411 497 507 2,063	1·70 1·28 0·52 0·78 1·76	976 288 17 277 634	1·14 0·26 0·02 0·43 0·54	1,078 1,619 772 132 763	1·26 1·47 0·81 0·20 0·65
191 124 358 804 72 21	0·19 0·13 0·34 0·30 0·10 0·03	17 27 11 13 9	0.02 0.03 0.01 0.01 0.01	846 459 4,048 1,836 595 415	0.86 0.47 3.86 1.81 0.83 0.53	416 469 399 399  156	0.42 0.48 0.38 0.39	618 830 1,703 721 55 14	0.63 0.85 1.62 0.71 0.08 0.02
191 165 161 63 48 27	0·19 0·19 0·28 0·11 0·08 0·06	36 62 12 1 1 14 39	0.03 0.07 0.02 0.001 0.02 0.09	1,294 1,689 634 1,129 823 166	1·28 2·00 1·11 1·92 1·35 0·38	445 437 442 660 717 330	0·44 0·52 0·78 1·12 1·18 0·75	532 152 280 267 189 38	0·53 0·18 0·49 0·45 0·31 0·09
38 88 20 19 5 8	0.03 0.07 0.03 0.02 0.01 0.02	23 28 115 22 22 30	0·02 0.02 0·17 0·02 	1,308 1,122 1,432 973 261 80	1·15 0·87 2·07 0·83 0·41 0·16	295 229 327 364 142 147	0·26 0·18 0·47 0·31 0·22 0·29	174 735 36 64 1 54	0·15 0·57 0·05 0·05 0·001 0·11
3,780	0.18	2,361	0.10	29,125	1.22	9,821	0.41	24,091	1.0

	0.6		0.0	13 2	21	2	2 1	15 :	23
	OTHER RESE		Putator	TUBERCE 'Jon	ULOSIS OF	OTHER T		WHOOPIN	в Сотвн.
Serial Number.	A—Run	Rato per mille	Desiba	Deaths.	Rate per mille.	I eaths.	Rate per mille.	Deaths.	Deutpe mille.
118	88	2 28	31	35	36	37	38	39	40
38.0 76.0 91.12 41.3 47.3 45.6	Ambala Hissar Rohtak Gurgaon Karnal Ambala Simla	Divisio 82.0 85.0 85.0 85.0 25.0	389 248 248 378 378 378 378 158 378 10	1.00 0.38 0.98 0.98 0.98 8.18	898 208 208 825 1,527 1,527 1,637	12.0 81.0 80.02 211.0	001 811 84 00002	91 02 62	0·10 0·07 0·.
18-7 18-7 08-8 10 10	Jullundun Kangra Hoshiarpur Jullundur Ludhiana Ferozepore	82.0	976 d 288 277 277 084	1.70 1.28 0.02 0.02 1.76	1,455 1,411 497 497 598 598 2,008	2175 ::	0·001 0·18	1 2 6	0.001 0.003 0.002
12 12 17 13 14 15 16 17	Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupur	Division	416 469 890 890 156	88 · 0 74 · 0 88 · 0 88 · 0 9 1	0:004 0:01 0:001	189	70.01 0.01 0.01 0.26	81 · 0 81 · 0 81 · 0 81 · 0 81 · 0 1 ·	0·04 0·03 0·001 0·07
18 19 20 21 22 23	Rawalpind Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali	Divisio	44.6 437 437 650 717 650 717	82.1 20.0 1.02 1.02 1.02 1.02 1.02 1.02 1	0.001	9 10025 9 0024	0.01 0.04 0.01 0.04	35 2 4 4 6	0·03 0·002 0·01 0·01 0·01 0·002
24 25 26 27 28 29	Multan  Montgomery Lyallpur Jhang Multan Muzaffargan Dera Ghazi	18.0 18.0 18.0	295 229 327 387 384 142 142	78.0 70.2 62.17 14.17 01.01	0·02 0:001	20.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	6:003 6:001	17 1 45	0.01 0.01 0.01 
1.01	24,001	Total	9,821	34	0.001	4.64	0.02	429	0.02

	24		25	26	I.,	27	0 4	28
LE	PROSY.	CAT	NCER	ld-birth.	DEATHS	UNDER ONE	YEAR.	lity rate irths.
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths from child-birth.	Males.	Females.	Total.	Infantile mortality per 1,000 live births
41	42	43	44	45	46	47	48	49
28 do	0·002 :: 0·06 0·02 0·001 ::		80° L 88° 1° 0° 001 88° 1° 0° 001 88° 1° 0° 001 88° 0° 0001 88° 0° 0001	118 41 118 41 16 29 25 20 34 16 19	4,437 3,389 3,021 4,337 3,264 43 4,159 3,393 2,860 6,149 3,542 4,732 4,249 3,218 2,854 2,854 2,889	2,607 3,834 3,550 2,663	7,750 5,905 5,460 7,856 6,102 82 7,972 7,523 6,308 5,220 10,928 6,149 8,566 7,799 5,881 5,138 5,176	218·65 157·73 156·05 200·12 207·31 245·51 273·14 180·23 167·48 190·31 206·96 147·79 191·75 165·48 129·77 160·47 156·42
20.	0 0	3 2	0.003	44 68 51 41 34 19	2,608 2,855 1,618 1,755 1,715 1,655	2,388 1,365 1,368 1,336	4,655 5,243 2,983 3,123 3,051 2,983	$\begin{array}{c} 120.62 \\ 158.25 \\ 144.93 \\ 149.49 \\ 138.05 \\ 162.61 \end{array}$
28.	81		0.05 0.64 0.20 0.36	43 54 62 51 36 26	4,562 4,977 2,219 3,369 1,427 1,321	4,363 1,819 2,447 1,022	8,026 9,340 4,038 5,816 2,449 2,310	152·05 169·34 145·94 133·51 108·61 144·54
22	0.00	6	0.0002	1,282	90,785	73,047	163,832	167-02

	-				1			
	28	1	2	1	26	2 32		92
	.m.s.2 :	ano a	MAL	ERIA.	ENTER	IC FEVER.	MEAS	LES.
Serial Number.	B.—Towns.		Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1	2	-	3	4	5	6	2 0 2	8 11
	Hissar District.							
1 2 3 4 5	Hissar Hansi Bhiwani Sirsa Budhlada	::333	::	8,8	110 151 55 39 11	4·03 7·41 1·38 1·90 1·26	46 1 42 4 1	1.68 0.05 1.06 0.19 0.11
6789	Rohtak District. Rohtak Jhajjar Beri Gohana	988	2	8,20	34 2 24 7	0.88 0.14 2.57 1.23	1 1	0·13 0·07 0·11
10 11 12 13	Bahadurgarh Sonepat Mehm Rohtak Civil Lines Gurgaon District.	100	6	16.8 18.8 18.9	21 30 17	2·58 1·71 1·63	36 6	2·05- 0·58
14 15 16 17 18	Rewari Palwal Ferozpur-Jhirka Hodal Ballabgarh	::32:3	:: 8		35 15 8 	1·14 1·21 1·41 	1	0:06
19 20 21	Faridabad Hidayatpur Chhaoni Sohna			28. 28. 20. 28.	18	2.27	3	0.38
22 23 24	Karnal District.  Karnal  Kaithal  Panipat	::	1	0·03 0·04	33 3 65	1·15 0·13 1·73	1	0·04 0·24
25 26 27 28	Shahabad Thanesar Pundri Karnal Civil Line	28 28 28	1	0·19 .:	- 2 2	0.14		1000
29 30 31	Ambala District.  Ambala Jagadhri Burya		1	0.02	2 9	0.05 0.64	13 4	0·32 0·28
32 33 34 35	Sadhaura Rupar Kalka Ambala Civil Line		55	6.38	1 3 · · · · · · · · · · · · · · · · · ·	0·26 0·35 0·12	9	1.04
36 37 38 39	Sanawar Civil Line Ambala Cantonment Kasauli Cantonment Ambala Sadar Bazar	::	1	0·33 0·20	1 41	0.04	3	0.10

4		6		7		9		11		
RELAPSI FEVEI (SPIROCHA	R	Influe	NZA.	CEREBRO FEVE	SPINAL	TYPHUS	FEVER.	DIPHTH	ERIA.	
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	
9	10	11	12	13	14	15	16	17	18	
1		1	0·17		······································	able to a second	divide di		······································	
1-91 m 3 3-91-1-9 8 3-91-1-9 8 3-9-91-1-9 8 3-9-91-1-9 8 3-9-91-1-9 8	0	0.0	· · · · · · · · · · · · · · · · · · ·	0-0		35 int	in the same of the	3	0.03	

-	0	13		. 14		3	15
STEEL	B.—Towns.	CKICKEN	N-Pox.	Mum		OTHER I	FEVERS.
Serial Number.	addae.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1	2	19	20	21	22	23	24
7	Hissar District.						
1	Hissar					254	0.20
2	Hansi				2	222	9.30
3	Bhiwani	41.	1		1	629	15.83
4 5	Sirsa Budhleda				1	86	4.19
5	Budnieda	· · ·			11.05	57	6.52
	Rohtak District.			1	30	1	**
6	Rohtak	1			0.00	588	15.24
7	Jhajjar				n	198	13.77
8	Beri				. 2	266	28.54
9	Gohana Bahadurgarh				1	58	10.19
11	Sananat		11.	11.0 00 1	2.00	81	9.97
12	Mohm	20.	20.	00		233 84	13·26 8·08
13	Rohtak Civil Lines	10.	44		11	04	000
	The state of the s	10.11		11.	3	1000	200
	Gurgaon District.	1	1				1/2
14	Rewari Palwal		1	•••	7	213	6.97
15 16	Einognun Thinks	11	0.10	1		161	13.00
17	Hodal	0.0	0.18			50 83	8.84
18	Ballabgarh	11.	":"	14.		08	18.55
19	Faridabad	44	11	1	24.00	86	14.69
20	Hidayatpur Chhaoni				2	20	2.52
21	Sohna					105	18.21
	Karnal District.						-
22	Karnal		0	14	0.49	404	14.10
23	Kaithal	1 ::		2	0.09	323	14.53
24	Panipat				1.00	277	7.39
25	Shahabad			1	0.07	182	12.88
26	Thanesar		11.0			89	16.67
27 28	Pundri Karnal Civil Lines	w			10.50	70	-10·16 - 0·87
-0	Karnal Civil Lines	245.		11.	****	**	0.87
	Ambala District.		**	12.1			
29	Ambala	3	0.07		0.00	270	6 70
30	Jagadhri				1300	361	25.68
31 32	Burya Sadhaura	0.0	::		20.98	95	25.10
33	Dames	8.0.0	0.00	28	B+85	177	20.52
34	17 - 11 -		11.		***	75	8.71
35	Ambala Civil Lines	-::	**		- A . A	'5	
36	Sanawar Civil Lines	11	**	-::	1.		
37	Ambala Cantonment	***	**		J. ed	174	6.95
38	Kasauli Cantonment		1			241	3·01 8·12
39	Ambala Sadar Bazar						

16	-	17		18		19		20	20
Dysen	D22/98	DIARRE	BEEFF.	PNEUMO	a lateral	PULMON TUBERCU		OTH RESPIRATE DISEAS	FORY
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
25	26	27	28	29	30	31	32	33	34
15 31 37 37 11	0·55 1·52 0·93 0·53 0·11	30 10 103 12 1	1·10 0·49 2·59 0·58 0·11	99 37 152 47 3	3.62 1.81 3.83 2.29 0.34	58 39 84 15	2·12 1·91 2·11 0·73 0·11	37 15 59 13	1.35 0.73 1.48 0.63
4 4 1 1 5 1 1	0·10 0·28 0·11 0·17 0·61 0·06 0·10	19 55 19 2 16 24 7	0·49 3·82 2·04 0·35 1·97 1·36 0·67	79 22 14 13 46 20 24	2·05 1·53 1·50 2·28 5·66 1·14 2·31	20 2 1 5 10 15 22	0·52 0·14 0·11 0·88 1·23 0·85 2·12	16 30 5 5 13 6 31	0·41 2·09 0·54 0·88 1·60 0·34 2·98
10 10 3 4 8 1 4	0·33 0·81 0·53 0·49 1·72 0·17 0·50	67 7 14  20 6 1	2·19 0·56 2·47  4·31 1·02 0·13	121 33 18 9 6 15 16	3.96 2.66 3.18 1.10 1.29 2.56 2.02	40 6 2 7 1 1 1 13	1·31 0·48 0·35 0·86 0·21 0·17 1·6	27 7  13 9 8 23 	0.88 0.56 1.59 1.94 0.51 2.90
23 3 15 11 4 6	0·80 0·13 0·40 0·78 0·75 0·87	36 17 33 10 1 3 1	1·26 0·76 0·88 0·71 0·19 0·43 0·87	129 54 176 63 8 21 3	4·50 2·43 4·69 4·46 1·50 3·05 2·61	111 16	0·07 0·54 2·96 1·13  1·01 0·87	40 36 32 22 1	1·40 3·82 1·07 2·55 6·00 3·19 0·87
14 9  14  2	0·35 0·64 11·62 0·23	50 16 1 28 16 15	1·24 1·14 0·26 3·24 1·59 1·74	116 60 7 20 39 29	2·88 4·27 1·85 2·32 3·88 3·37	24	0.99 1.71 1.04	35 10 13 12 11	1·59 2·49 2·64 1·50 1·19 1·28
6 1 28	0·24 0·33 0·94	23 1 48	0·92 0·33 1·62	40 10 144	1.60 3.34 4.88	16	0.64	20	0.80 1 00 2.08

	20		01	2	i <sup>z</sup>	3	2	2	3
THORY			Тривно	TUBERO	CULOSIS OF NTS.	OT TUBER DISE	HER CULAR ASES.	WHOO	PING GH.
ü	I	-Town	NS.						
Serial Number.	Deuthe	Rate per milla	Deaths	Deaths.	Rate per mille.	Deaths	Rate per mille.	Deaths.	Rate per mille
18	88	2	81	35	36	37	38	39	40
	His	sar Dist	rict.						
1 2 3 3 4 - 5	Hissar Hansi Bhiwan Sirsa Budhla	.0.78	58 88 84 15	28-8 18-1 88-8 92-2 18-1 28-8	00 78 78 78 78 78 78 78 78 78 78 78 78 78	3-10 2-59 0-68 0-11	108 108 108 119	65-0 83-1 89-0 1 83-0 7 11-0 3	0·18 0·05 0·15 ··
6 7 8 8 9 0 10 11 12 13	Rohtak Jhajjar Beri Gotana Bahadu Sonepai Mehm	rgarh	20 2 1 10 5 10 10 22	2.05 2.66 2.28 2.28 3.36 3.11 2.31	79 22 14 14 18 20 46 20 24	0.49 3.82 2.04 0.35 1.97 1.36	10 	01-0 08-8 01-0 08-8 110 08-8 170 08-8 180 0-00 180 0-10	15-24 30-77 1 30-58 1 10-18 10-28 1 10-28 1 10-28
14 15 16 17 18 19 20 21	Rewari Palwal Firozpu Hodal Ballaba Faridal	bad	0.0	8-88 2-66 8-18 9-16 1-10 22-1 2-16 2-68	181 88 118 13 13 14 15 16 17 18 18 18 18 18 18 18 18 18 18 18 18 18	9-19 0-50 3-47 3-47 1-02 1-02	14	88.0 218 18.0 50 18.0 50 83 0 80 1712 18.0 17 18.0 180 18.0 180 18.0 180	01 0-07 01 13-01 1 1-18 1 1-18 1 1-18 1 1-18 1 1-18 1 1-18 1 1-18
22 23 24 25 26 27 28	Karnal Kaithal Panipat Shahab Thanes Pundri	ad	111 18 16 16 16 16 16 16 16 16 16 16 16 16 16	4-50 2-43 4-60 4-40 1-50 1-50 2-0	121	88.0 1 17.0 1 17.0 1 16.0 1 18.0 1	98-0 86 11 029 11 027 10 10 10 10 10 10	08-0 404 81-0 523 04-0 57 87-0 583 87-0 50 88-0 50	11 10 11 11 11 11 11 11 11 11 11 11 11 1
29 80 80 80 31 32 97 33 82 34 35 36 87 88 80 88	Ambala Jagadh Burya Sadhau Rupar Kalka Ambala Sanawa Ambala	Civil L Canton	ines	18-9 18-1 18-1 18-8 18-8 18-8 18-8 18-8	011 0-07 00 :: 2 2 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1.2.1 1.1.1 1.2.0 1.2.0 1.2.1 1.	000	18-0-70 18-0-81 18-1-103 18-0-8 18-0-9 18-0-9	0.07

	24		25	26		27		28
LEI	PROSY.	CANC	DER.	-bir th.	DEATHS	UNDER ON	E YEAR.	y rate
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths from child-bir th.	Males.	Females.	Total.	Infantile mortality r per 1,000 live births.
41	42	43	44	45	46	47	48 .	49
	0.04	02-0	0	8 10 2	136 108 219 38 13	122 93 217 47 14	258 201 436 85 27	241·35 245·12 265·21 200·47 360·00
80.0	4	01.0		2 4 3 3 80 0 3 2 81 1 · ·	184 67 66 23 61 104 28	128 54 40 25 32 86 24	312 121 106 48 93 190 52	205·94 213·78 254·81 186·05 256·20 266·48 151·16
1.02	89	81.0 82.88 0.43		80 0 6 1 2 4	130 64 14 27 32 27 31 18	149 54 11 30 18 19 20 11	279 118 25 57 50 46 51 29	227-20 186-24 151-51 183-87 282-48 195-74 169-43 175-76
0.00	94 10 10 10 10	0.80		19 6 16 7	177 117 183 60 30 22	161 113 133 68 16 24	33 8 230 316 128 46 46	297·80 225·05 213·08 211·92 223·30 146·96
0.00		0.00 0.00 0.00 0.00 0.00		6 8 5 2 5 5 2	118 98 32 59 40 31	89 92 21 35 39 35	207 190 53 94 79 66	151.65 296.41 311.76 253.37 193.63 270.49
1.6.1		0 50		1 - 12	1 64 7 162	51 2 136	1 115 9 298	100·00 202·46 100·00 281·93

- 10	277	2	1 82	. 2		3.8	
- Contract	UNDER OKE TEAR.	MAI	ARIA.	ENTERIC	FEVER.	MEAS	LES.
Serial Number.	B—Towns.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1	2 2	3	4	5	6 .	27	8
	Simla District.						
40 41 2 43	Simla Dagshai Cantonment Sabathu Cantonment Jutogh Cantonment	901 ···	0.37	6	0.29	a0-0-	
00-03	Kangra District.	13	. 04				
44 45	Dharamsala	3	0.97	-::	=	-:-	
18-61	Hoshiarpur District.	88 -	8			17	
46	Hoshiarpur	10 1	0.03	3	0.10	1	0.08
48	Dasuyah	10	1.12	-::	1::	1::	
49 50	Tanda Urmar Miani			1	0.17	6	1.02
51	Garhshanker	001		1			1.02
52	Hoshiarpur Civil Lines	48	1.19				
53	Jullandur District.	2	0.02	14	0.15	00	1 -1.0
54	Kartarpur	28 "				98	1.0
55 56	Bungah Rahon	18			2.25		
57	Phillaur	81		2 3	0.47	3	0.4
58 59	Nurmahal						
60	Nakodar Nawanshahr	271 - 1	0.12	3 8	0.35 0.35	27	-2.3
61	Jullundur Cantonment	113	01		1	1 200	
00	Ludhiana District.	000	7			1 1 10	
62 63	Ludhiana Jagraon	5	0.08	41	0.10	50 10	0.8
64	Raekot		-:-	6	0.44	3	0.5
65	Khanna	1	0.13	8	1.08		
66	Ferozepore District.	80 10	0.45	1	0.00	1 1	-
67	Ferozepore	18	0.45	2	0.05	6 3	0.1
68	Dharmkot	69		3	0.39	2	0.5
69 70	Muktsar	6	0.28	3 3	0·17 0·14	2	0.1
71	Moga	0	The second state of		0.53	2	0.1
72 73	Abohar	9	0.54	11 2	0.12		
74	Jalalabad Ferozepore Cantonment	2	4: -	2	0.03	8	Pin. 1

6	4	*	6	1			9	1	11
RELAPSI (SPIRO	ING FEVER CHÆTAL).	INFLU	ENZA.	CEREBRO	OSPINAL PER.	TYPHUS FEVER.		DIPHTHE	
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
9	10	11	12	13	14	15	16	17	18
0-1-4 0-7 0-42 1-033	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-		:: 1	0.05	2	0.10	1	0.08
8-9-1	2 0.21	::1	:	:::1		danida ta	Sunta Sunta Sunta	111	81:
0.01.1 7.41.2 0.8.1 0.88.1 7.0.5 1.8.1	1010 1010 1010 1010 1010 1010 1010 101				111111111	istrice.	biarpur B arpite vah a UMass bastaer bastaer	1	0.03
	- 808 - 161 - 161 - 180 - 180			80.0		dointe	Muga Muga do do do do do do do do do do do do do	2	0.0
1.8.8	88 381		1111	::	::	colyte	distant D	No.	0.0
10.0 10.0 11.1 14.1 11.1 11.1	111111111			78·0 92·0 78·0 18·0 18·0 8·0 8·0 18·0		- animalia	operation of the control of the cont	1111111111	2000 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1

				1	.3	9	4	1	5
	DIFT			CHICKEN-POX.		Mu	MPS.	OTHER FEVERS.	
Serial Number.	Descha	B.—Tow	Ns.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	TERCE See wille.	Rate per mille
1	17	8182	16	19	20	21	22	23	24
		Simla Dist	rict.						
40 41 42 43	Sabat Jutog	nai Conton hu Canton h Canton	ment nent	50.0	2.27	1:: 1::	7.50	26 11 20 10	1·25 7·05 14·05 19·16
44 45	Dhara Dhara	angra Dis msala msala Car	ntonment	1: 4	1 100		= 1	29 5	6.88
46 47 48 49 50 51 52	Hoshi Haria Dasuy Tanda Miani Garhs	ah		Turn the second	.0;00 000 000 000 000 000 000 000 000 00			327 105 44 200 57 21	10.90 15.73 4.90 18.03 9.70 3.44 1.10
53 54 55 56 57 58 59 60 61	Karta Bunga Rahon Philla Nurm Nakoo Nawa	rpur ah ur ahal		3	0.03	The state of the s		802 161 66 92 70 95 130 56 36	8.90 13.8 9.13 11.44 10.9 10.93 11.53 6.6 2.33
62 63 64 65	Ludhi Jagrae Raeko Khani	on	trict.	7.6	3200		200	511 383 102 41	6:41 12:34 7:41 5:58
66 67 68 69 70 71 72 73 74	Feroze Zira Dharn Mukts Fazilk Moga Aboha Jalala	akot		4 2 12 13 11 9 1	0.67 0.26 0.67 0.61 0.53 0.54 0.12			136 60 94 175 302 232 201 88 79	3·38 10·00 12·28 9·76 14·18 11·17 12·01 10·21 2·46

1	16	1 0	17	20 1:1	8	27 1	19	20	
DYSEN		DIA	RRHŒA.	PNEUM	IONIA.	PULM	ONARY CLOSIS	RESPI	HER RATORY CASES.
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths,	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
25	26	27	28	29	30	31	32	33	34
. 4 .: 2	0.19	78 · 0 10 .:	0.48	. 166  2	8·00 		0·24	13	0.6
1	0:24	3 14	0·71 4·55	9 2	2·14 0·65	Inompo		14 7	3.3
37 2 2 2 1 5 1	1:24 0:30 0:22 0:09 0:85 0:16	2 1 1 1	0·07 ···11 ···17 ···	89 3 31 8 14 5	2.98 0.45 3.46 0.72 2.38 0.82 3.56	9 1	0·30  0·68		0.5 0.1 0.6 6.6 0.1
21 8 5 7 9 1 9 5 2	0.23 0.69 0.69 0.87 1.40 0.11 0.80 0.59 0.13	86 3 4 8 5 2 5 2 5	0.95 0.26 0.55 1.00 0.78 0.23 0.44 1.06	281 29 11 20 31 36 20 40 18	3·12 2·50 1·52 2·49 4·83 4·13 1·77 4·72 1·16	137  4  1	1·52  0·50 0·11 	92 29 4 7 13 10 18 10 10	1.0 2.5 0.5 0.8 2.0 1.1 1.6 1.1
50 2 6 4	0.63 0.06 0.44 0.54	73 9 3 1	0.92 0.29 0.22 0.13	315 58 57 17	3·95 1·87 4·14 2·29	167 12 11 3	2·10 0·39 0·80 0·40	1 7 6 2	0.0 0.2 0.4 0.2
8 1 1 4 2 6 9 3	0·20 0·17 0·13 0·22 0·09 0·29 0·54 0·35	56 2 5 10 2 6 1	1·39 ·· 0·26 0·28 0·47 0·10 0·36 0·12 0·06	386 13 6 106 85 60 52 7 2	9.60 2.17 0.78 5.91 3.98 2.89 3.11 0.81 0.06	41  3 14 9 7 10 3 1	1:02	80 4 3 9 25 14 10 1	1:99 0:67 0:30 0:50 1:77 0:67 0:66 0:12 0:09

				9	21	2	2	2	3
TEOT	OTHE DISEASE	AHVAO AHVAO		Tuberculosis of Joints.		OTHER TUBERCULAR DISEASES.		WHOOPING COUGH.	
.:	В	-Towns.			1				
Serial Number.	Denths	Rate per mille.	Danblia,	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
118	38	2 8	18	35	36	37	38	39	40
	Sim	la Distric	t.						
40	Simla	A District				14	0.67		
41	Dagshai (	Cantonm	ent -	00.8	801	0.48	01 10	01:0	4
42	Sabathu					1		11	• 6-0
43	Jutogh C	autonme	nt	00.0	8			00.0 20	26-0
45.	Kang	gra Distri	ict.	38.83		41	12 -	88.8 10	
44	Dharams	ala							
45	Dharams		onment	8.14	0	0.71	8	12:0 00	1 .000
2:27	STATE BUILDING			99.0	2	4.22	14	77.0	1411
-600	Hoshia	rpur Dist	trict.	1	1				
									100
46	Hoshiarp	ur							
47	Hariana	08:0	8	88.8	68	70:0	e	7221327	1.0392
48	Dasuyah			0.45	8		,	08:0	2 15
49 50	Tanda U Miani	emar 0	1	8:46	8	11:0	4	0:03	2
51	Garhshar	ker	A 11	88-8	11	0:17	1	88.0	1 10
52	Hoshiarp			28:00	8			8140 67	1
-	Hobiiarp	ar orth		8.28	8	1 197. 8	7.	21	20
102	Jullun	dur Distr	ict.	1 44	1	1 18	1 1 1 1 1	The same of	
53	Jullundu		*						
54	Kartarpu	r St.	·187	8118	188	80.0 4	88 0.34	88:0	IE.
55	Bungah			2.50	02.	88:0 1	8 0.14	69.0	8
56	Rahon			1.62	III	88.0 4	0.50	69:0 00	9 . 0
57	Phillaur			B-49	.20	80.18	0.62	78.0 02	1 2 5 5
59	Nurmaha Nakodar			# 88 1 ch	88	87.0 3	0.89	01-1	9
60	Nawansh		1	77 45	06	10.01	0.12	08:005	8
61	Jullundu			27.72	01	6	0.39	69.0	8.3
10:0	The land of the la			1:18	81	100		0.13	8 %
	Ludi	niana Dis	trict.		1 00. 3	40	1 100	1	
62	Ludhiana							2	0.0
63	Jagraon	101	181.	8.05	-815	0:02	87.	88.0-13	0.20
64	Raekot	98:0	81	18.5	89	0:20	6	80.0	8.0
65	Khanna	08:0	11	414	76	0192	8	14.0mm	0.3
1230	F	OA O	twict	9:20	717	0.13	1	19.0.71	1 2 00
66	Ferozepo	pore Dist	trict.		1		1	1	
67	Zira	20:2	High	0810	888	1.39	88	08 0 00	8
68	Dharmko		1	71/2	814	96.1	00.	88 0.17	1.00
69	Muktsar	0810	8	8710	8 . 9	8200	2	81.000	11.00
70	Fazilka	0:78	b1	10.5	80.6	8820	8	22 0 98	1
71	Moga	2170	8	89.8	88.	74-0	0.5-	00-0	8
72	Abohar	0:84	7	8.80	08-	0.10	8	08:0	8
73	Jalalabad	08:0	10	11.8	20.1	0.38	8	13.0	0
74	Ferozepor	re Uantor	ment	18:0	7	0.13	1	38.000	8

1	2	4	1	25	26 [		27	0.	28
-	LEP	BOSY.	CA	NCER.	DEATHS FROM CHILD- BIRTH.	DEATHS	UNDER ON	E YEAR.	ty rate irths.
-	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Males.	Females.	Total.	Infantile mortality rate per 1,000 live births.
1	8 41	142	43	8 44	45	8 46	47	48	49
Care to	0.0 8	8	0.12 0.13 0.13 0.13 0.13 0.13 0.13 0.13 0.13	888	0.0 3	68 7 3 3 3	59 5 2 3 8 www.nda	basid 18	167·32 292·68 135·13 545·45 166·67 138·46
000	0.01	6	0.180		0·I 5 0·0·0·-	88 22 26 59 25 4 1	19 15 34 16 3	169 41 41 93 41 7	156·19 172·27 123·49 174·81 164·00 46·36 58·85
0 00 00 00	7.0	8	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0.03	14 1 1 2  1 2 2 2 2 2	330 51 31 40 33 33 45 45 14	322 56 20 23 26 35 37 25 10	652 107 51 63 59 68 82 70 24	157:45 192:79 154:54 188:06 168:57 176:16 181:82 205:88 129:03
20000	0 0 1	0.02	181 0	81	30 6 3	347 124 49 22	278 91 38 13	625 215 87 35	175·76 202·45 183·54 152·84
A	10		0 0 78 - 0 78 - 0 28 - 0 0 46 - 0 46 - 0 118	0	5  2 80 0 2 4 4	175 24 37 98 104 103 79 30 17	156 23 41 80 92 75 76 34 14	331 47 78 178 196 178 155 64 31	191.66 185.04 314.52 234.83 218.02 191.81 214.09 229.39 61.39

8	72	1	1 88	882		3	
DIMPE	SANT NO SHOW	Malaria.		ENTERI	FEVER.	MEASLES.	
W. 0	B.—Towns.						
Serial Number.	Bemales.	Deaths	Rate per mille.	Deaths,	Rate per mille.	Deaths.	Rate per mille.
1	2 TA	3	314	5	6	817	148
	Lahore District.						
75	Lahore	16	0.04	80	0.18	83	0.18
76	Chunian Kasur	6	0.11	38	4.20 1.76	6	0.11
77	Khem Karan	0	10.00		14.		
79	Patti	31	1.97	6	0.38	15	0.95
80	Baghbanpura Bhogiwal			6	0·37 0·16	4	0.25
81 82	Pattoki Mandi	5 -::		20	2.15		
83	Sur Singh			29	3.97	3000	
84	Lahore Cantonment			3	0.08		
	Amritsar District.	8		111			
85	Amritsar	301	1.04	74	0.26	59	0.20
86	Majitha	S 1	11.	3	0.38	1500	
87	Jandiala	1	0.09	2	0.18	2	0.00
88 89	Sultanwind	:: - !		3	0.46		
90	Amritsar Cantonment						
all in	Gurdaspur District.	188		0.0			0.70
91	Gurdaspur	8 ::		3	0.50	11	0.78
92 93	Dina Nagar Pathankot	8		4	0.36	2	0.18
94	Dalhousie	/ 3			0:10		
95	Batala	8 3.		162	4·07 0·17	39	0.88
96 97	Dera Baba Nanak Fatebgarh	4	-::	1	0.13	****	11
98	Qadian	2	0.26	7	0.80	1	0.18
99	Gurdaspur Civil Lines			C	-9.20	25	.,
100	Dalhousie Cantonment Bakloh Cantonment	:: ]	::	1	0.24	- ::	::
101	0.0000000000000000000000000000000000000	84	8	**	**	- 2	oros
102	Sialkot District.			13	0.13	2	0.02
103	Daska	8			D		Sec
104	Pasrur	10	ï·11	6	0.67	1 9	0.10
105	Narowal	17	1 11	6	0.78	1	0.13
106 107	Sialkot Cantonment	2		- 5	0.28		
18.93		0	277	-	** 1	300	
100	Gujranwala District. Gujranwala	2	0.03	54	0.80	12	0.18
108 109	Wazirabad	01 10		- 1	0.04	1	0.04
110	Eminabad			4	0.46		
111	Akalgarh	-	****	1 3	0.14		
112	Hafizabad!	- 1		3	0 10	100	1511

15	4	14	6	181		19	9	1	11	
RELAP (SPIR	SING FEVER	Influenza.		CEREBR	CEREBROSPINAL FEVER.		TYPHUS FEVER.		DIPHTHERIA	
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	
9	10	22 11	18 12	13	14	15	16	17	18	
						intrict	Lahore D		-	
8	29			4	00.1	1 -:	.: 0·11	19	0.04	
0			===	3::4	=	dawigosa	book do	1000	10 mm	
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Attanta	B.—Towns.	Сніск	EN-POX.	Ми	MPs.	OTHER FEVERS.	
Serial number,	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Boto be sent	Rate per mille.
811	rr 81 2 31	19	8I 20	21 21	11 22	01 23	@ 24
	Lahore District.						
75 76 77 78 79 80 81 82 83 84	Lahore Chunian Kasur Khem Karan Patti Baghbanpura-Bhogiwal. Ichhra I attoki Mandi Sur Singh Lahore Cantonment  Amritsar District.	00 6				3,553 11 293 101 10 197 60 1 5	8:09 1:21 5:50 12:04 0:63 12:34 9:51 0:11 0:68 3:95
85 1 86 87 -88 -89 -90	Amritsar Majitba Jandiala Tarn Taran Sultanwind Amritsar Cantonment	1	0.003	1	0.003	328 117 108 118 127 7	1.14 14.70 9.71 9.43 19.50 3.93
91 92 93 94 95 96 97 98 99 100 101	Gurdaspur District. Gurdaspur  Dina Nagar  Pathankot  D Ihousie  Bat da  Dera Baba Nanak  Fatehgarh  Qudian  Gurdaspur Civil Line  Dalhousie Cantonment  Bakloh antonment	0.0				79 16 139 5 66 86 39 51	5.71 2.67 12.47 4.54 1.66 14.60 5.00 6.60  3.73 6.26
102 103 104 105 106 107	Sialkot District. Sialkot Laska Pascur Narowal Chawinga Sialkot Cantonment	8	0·78			908 41 105 80 51 44	8.89 4.03 10.64 8.91 6.61 2.50
108 109 110 111 112	Gu ranwala District. Gu ranwala W azirab d Eminab d Ak lgarh Hafizabad	0.0.0		1.1.1.1.1	078 078 078 078 071	625 152 49 8 183	.9:30 .6:18 .5:59 .1:13 .11:34

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-	Dysi	ENTERY.	DIAR	RHŒA.	Pneu	MONIA.	Pulmo Tuberc		OTE RESPIR DISEA	ATORY
THE RESERVE TO SERVE	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
-	25	26	27	28	29	30	31	32	33	34
	10·0 111 20·0 17	0·25 0·55 0·32 0·12	243 8 4	0·55 0·88 0·07 0·24	1,265 30 92 8	2·88 3·32 1·73 0·95	409 8 2 3	0.93 0.88 0.04 0.36	303 14 49	0.69 1.55 0.92
-	1 7 3 2 4 3 11	0.14 0.44 0.19 0.32 0.43 0.41 0.35	81.0 2 5 81.0 3 1 9 9 9 14	0·32 0·19 0.16 0·97 0·14 0·13	133 35 4 40 3 30	8·44 2·19 0·63 4·29 0·41 0·96	27 9 5 3 16 6	1·71 0·55 0·79 0·32 2·19 0·19	28 7 3 4 10 8	1.78 0.44 0.47 0.43 1.37 0.25
	153 1 8 4 11 1	01 0.53 0.12 0.27 0.32 1.69 0.56	593 2 1	2·06 0·18 0·08	737 18 26 25 15 4	2·56 2·26 2·38 2·00 2·30 2·25	324 7 18 3 16	1·12 0·68 1·65 0·24 2·46	1,196 12 6 5 18	4 15 1'51 0:55 0:40 2:76
	6 2 12 17 1 9 15	0.43 0.33 1.08  0.43 0.17 1.15 1.94	2 2 1	0·14 0·18 0·02	26 7 33 3 367 23 5 21	1.88 1.17 2.96 2.72 9.21 3.90 0.64 2.72	3 2  1 135 1 7	0.22 0.33 0.91 3.39 0.17 0.90 0.39	8 1 7 3 103 3 5 10	0.58 0.17 0.63 2.72 2.59 0.51 0.64 1.29
	6	1.44	1	0.24	2	1.87 0.48	3	0.72	1	0.93
-	44 2 1 1 08 0 7 6	0.43 0.20 0.10 1.00 0.91 0.34	00 0 50 01 0 1	0.49	361 5 5 26 25 21	3:53 0:49 0:51 2:89 3:22 1:19	66 2	0:65 0:20 0:11  0:28	42 2 3  12	0·41 0·20  0·33 0·68
-	37 5 1 3 1	0.55 0.20 0.11 0.42 0.06	77-0 7 03-0 7 41-0 4 31-0 1 00-0	0.11	79 36 7 6 80	1.17 1.45 0.80 0.85 1.86	3	0.04	25 3 5 1 2	0·37 0·12 0·57 0·14 0·12

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Serial number,	stdine of o do	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1.	88 82 18	35	36	37	38	39	40
	Lahore District.						
75	Lahore	1	280 **	71	0.16	4	0.01
76 77	Chunian - Kasur		88	23	0.11	33 1	0.03
77	Khem Karan		20	1	0.12	88 0	0.0
79	Patti Baro B	AL.	8	2	0.13	21.0	
80	Baghbanpura Bhogiwal	1	950	37-0		91-6- 300	8 .12
81 82	Ichhra Pattoki Mandi	180-G	1	1	0.16	18-6. 00	8
83	Sur Singh	1	01	18:0	9	1	0.1
84	Lahore Cantonment	44 0	0	3	0.09	14.0	
20	Amritsar District	90.0	90	81.0		1	
0=	Amritsar	42	0.14	539	1.87	10	0.00
85 86	Majitha	0.01	0 14	000	808 1.01	10.00	891 0.00
87	Jandiala	1	0.09			EL O	1
88	Tarn Taran			Sen-te-		100.00 115	5
89	Sultanwind Amritsar Cantonment	100	F		**	(esse 927	15
90	Amritsar Cantonment	25.0	1	***	13.	00.00	T
7	Gurdaspur District.						
91	Gurdaspur		no	40.000		10000 78	0
92	Pathankot	167.1			***	8E 10 TE	8
93	Pathankot Dalhousie	med.	188	81 10	8	8054 7	Tai is.
95	Batala	1 27 18					72.4.1
96	Dera Baba Nanak		100	10.0		0.12	1
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98	Qadian Gurdaspur Civil Line	27.0	In .	::		10 1 01	gr R.
100	Dalhousie Cantonment				1		1
101	Bakloh Cantonment	188.4	E	1010	1	88.5 B	8
11	Sialkot District.	1					
102	Sialkot	2	0.02	6	0.06	Lesen por	Merce
103	Daska		1300.000	3	0.29	0.00	2
104 105	Pasrur Narowal	inin	1	1 6	0.10	01.0	0.11
106	Clawinda	08.2	Hag.	4	0.52	3	0.38
107	Sialkot Cantonment	1 200	I de			18.0	0 21
00.0	Gujranwala District.	1					
108	Gujranwala District.	1		52	0.77	22000 000	79.00
109	Wazirabad	1	0.04	10	0.40	62.018	ā
110	Eminabad	00.		1 1	0.11	12:0 0	1 ** 5
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Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths from child-birth.	Males.	Females.	Total.	Infantile mortality rate per 1,000 live-births.
41	42	43	44	45	46	47	48	49
0.00 0.00 0.21 0.21 0.04	8	21	0.05	82 1 7  2 4  2 4	1,380 46 155 35 79 46 18 30 28 40	1,192 21 126 30 57 57 16 23 16 31	2,572 67 281 65 136 103 34 53 44 71	155·20 180·11 150·75 180·55 178·24 122·47 93·66 173·20 144·26 163·97
170	11111	36	0·12 0·12 0·12	63	1,092 39 42 38 46 1	924 30 37 21 33	2,016 69 79 59 79	195.73 181.58 177.93 101.72 210.67 39.21
01:0	3 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	0.10 0.44 0.44 1.22 0.48 0.28	0 1 1 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	1 88-1 1 88-1 3 67:0 16:0 1 20:0 3 20:0 2	31 9 36 3 147 25 8 27 	36 1 38  121 18 20 16 	268 43 28 43 43	145·34 172·69 99·29 172·69
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-	27 - 28		1 88-		2	15	3
	NDER ONBYRAE.	MALA	RIA.	ENTERIC	FEVER.	MEASLES.	
Serial Number.	B.—Towns.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille,
1	2 2	3	4	5	6	7	8
	Sheikhupura District.						
113 114 115 116 117	Sangla Sharakpur Nankana Sahib Shahdara Sheikhupura	3 087,1 087,1 087,1	0.50	0.05 0.05 0.5	45:	<sub>2</sub>	0·33 0·07
118 119 120 121 122	Gujrat District. Gujrat Jalslpur Kunjah Dinga Gujrat Civil Line	65  61 61 62 63	die die	. 13 1 3	0·44 0·11 0·35	12 3 5 8	0·40 0·21 0·57 0·94
123 124 125 126 127 128 129 130	Shahpur District. Shahpur Sahiwal Bhera Miani Khushab Sargodha Shahpur Civil Station Phullarwan	200.1 05 18 26 1	2.48	1 6 6 14 3 3	0·17 0·26 0·82 0·85 0·09 0·81	1	0·14
131 132 133 134	Jhelum District. Jhelum	38 15 8 8 714 2	1·83 1·33 0·75 0·31	2 5 -13	0·10 0·44 1·22	2 1 1	0·10 0·09 0·09
135 136 137 138	Rawalpindi District. Rawalpindi Murree Murree Cantonment Rawalpindi Cantonment	78 2  of 1	0.02	25   13	0·28  0·28	::	
139 140 141 142 143 144	Attock District. Pindi Gheb	110 4 2 8 5	8.90 0.37 0.23 1.25 0.63	41   5 7	3·32  0·78 0·89	2	0·18
145 146 147 148	Mianwali District Mianwali Bhakkar Isa Khel Kalabagh	181 1 03 3 21	0:05 0:38	11 23 5 4	0·59 2·93 0·57 0·41	2	0·25 0·20

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RELAI FEVE (SPIRO C	R	Influ	ENZA.	CEREBE	ROSPINAL ER.	TYPHUS	FEVER.	DIP	HTH-
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
9 2	10	118	12	13	14	15	16	17	18
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18:31 13:00 13:03 14:13 14:13 14:13 14:13 15:01 16:01	91. 80.1 80.1 80.1 91.1 8		11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	175 175 186 180 187 180	\$ 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5		MR USON		Land Land
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-11	B.—Towns	sonarT		n Pox.	Mu	MPS.	OTHER PEVERS.	
Serial number.	D.—10wa	adhoc	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per milie.
1	${2}$				-	-		
		31	19	20	21	22	23	24
	Sheikhupura Dis	trict.						1
113 114 115 116 117	Sangla Sharakpur Nankana Sahib Shahdara Sheikhupura			- 6- 50 - 6- 60		:::::	10 70 33 44 63	1·30 11·61 2·99 7·02 4·34
118 119 120 121 122	Gujrat Distr Gujrat Jalalpur Kunjah Dinga Gujrat Civil Line	ict.	::::	: 52 : 72 : 72 : 72 : 72 : 72	::-48	10-44	330 110 123 78 6	11.08 7.69 14.05 9.18 6.43
123 124 125 126 127 128 129 130	Shahpur Dist Shahpur Sahiwal Bhera Miani Khushab Sargodha Shahpur Civil Sta Phullarwan	tion		7 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			79 123 202 88 149 129 8 19	13·21 13·69 8·88 12·11 9·03 4·12 2·17 5·61
131 132 133 134	Jhelum Dista Jhelum Pind Dadan Kha Chakwal Jhelum Cantonmo	ent	00.0 38 00.0 11	1::3	:::	0 1 0 4 2 2 3	.91 36 .72 .5	4:37 3:19 6:74 0:78
135 136 137 138	Rawalpindi Dis Rawalpindi Murree Murree Cantonme Rawalpindi Canto	ent	10.0	1	::	100	1,035 34  50	11:80 17:30 1:08
139 140 141 142 143 144	Attock Distriction Pindi Gheb Hazro Cambellpur Hasanabdal Tallagang Campbellur Canto	nment	81.0	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Man Man	177	1 96 14 54 57 15	0:08 8:79 1:59 8:47 7:23 3:83
145 146 147 148	Mianwali Bhakkar Isa Khel Kalabagh		25-0	1 -0.0	:::	:::	107 81 66 86	5·72 10:33 7·47 8·82

2	16	3	17	20	18	27	19		20
DYSE	NTERY.	DIAR	RHŒA.IUO		MONIA.	PULI	R	OTHER RESPIRA- TORY DISEASES.	
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Death .	Rate per mille.	Deaths.	Rate per mille.
25	26	27	28	29	30	31	32	33	34
3	0·27 0·48 0·34		::::	1 3 13 15 17	0:13 0:50 1:18 2:39 1:17	3 2 3	0·13 0·50 0·18 0·48	2 2 3 4 5	0·18 0·80 0·07
18 16 6 3	0:60 1:12 0:68 0:35	1	0:30 0:07 0:12	76 46 8 12	2:55 3:21 0:91 1:41	41 19 	1·38 1·33  0·12	16 13 3 2	0.54 0.91 0.34 0.23
7 1 00 0 5 6 	0:31 0:14 0:30 0:19	00 19 00 12 7	0·09 1·15 4·05	23 74 4 26 90 7 20	0:67 2:56 3:25 0:55 1:58 2:87 1:90 5:91		0.53 1.38  0.06 0.27	1 10 1 5 28	0·11 0·44 0·14 0·30 0·89
- 6 - 5	0:34 0:53 0:47	00.014 00.03 2	0:05 1:24 0:28 0:31	92 -54 -12 3	4:42 7:79 1:12 0:47	12 10 4	0.58 0.89 0.37 0.15	8 4	0.71
9	0.76	58 08-1-1 12-0-6	0:66	263 - 7  - 56		49	0.56 . 0.51	81	0.92 0.51 0.21
10 1 4	0:81 0:11 0:63	3 00.0 81.0 5	0:24	80-096 47 -2 -13 -24 -1	7·77 4·30 0·23 2·04 3·04 0·25	12 25 1 13 13 18	0·97 0·29 0·11 2·04 2·28	15 2 7 7	1.21 0.46 0.23 1.10 0.89
3	0:31	16 1 18 35	0:85 0:13 2:04 3:59	19 20 11 -11	2.55	2 4	0.45	15 2 2	0.80 0.25 0.23 0.41

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Serial Number.	Destibs.	B—Town	Death .	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1		2	18.	35	36	37	38	392	40
113 114 115 116 117	Shara Nanka Shaho	kpur ana Sahib lara hupura	istrict.	81.0 02.0 82.1 92.8 71.1	1:. 8:. 8:. 8:. 71.	***: ******		10 15 15 16 16 16 16 16 16 16 16 16 16 16 16 16	1:80 11:00 6:00 6:00 6:00 6:00
118 119 120 121 122	Gujra Jalah Kunja Dinga	our	1 2	51-8 11-8 11-0 11-1	8. 8. 81.	0110	e	0020 5111 6020 6126	18 108 01 10 01 15 8 18 5 13
123 124 125 126 127 128 129 130	Shahi Sabiw Bhera Miani Khus Sargo Shabi	al	01 · · · · · · · · · · · · · · · · · · ·	0:07 2:50 3:55 0:55 1:58 2:47 1:90 4:47	25. 27. 4 28. 28. 20. 7	01:0 01:0 01:1 1 00:1 3	0.09	10.00 11.00 11.10 00.00 11.00 11.00 11.00 11.00	, 0·06-
131 132 133 134	Jhelu Pind Chak Jhelu	elum Distr im Dadan Kl wal im Canton	ment	1.10 1.11 0.117 0.117	27. 21. 21.	80:0 48:11 88:01 16:0	0.09 0.09	0.15 0.15 0.17	# H70 # H80 # H80
135 136 137 138	Raw Murr Murr	walpindi D lpindi ee ree Canton alpindi Car	ment	86.8	263	00.0 08 1 1 81 010	1.39		0.01
139 140 141 142 143 144	Pind Hazi Cam Hasa Taila	pbellpur	12 1 1 1 1 1 1	10.8 10.8	80.08 74 2 81 24	3 88 0 1	0:09 0:47 0:13	0:31	0.0.08
145 146 147 148	Mian Bha Isa l	lianwali Di nwali kkar Khel abagh	strict.	38.8	81 08 11 14	085 204 204 205	18 18 25	107 107 100 100	

2	<b>4</b> g	20	5	26	1	27	0	28
LEPI	ROSY.	CAN	CER.	l birth.	DEATHS	UNDER ON	E YEAR.	ity rate irths.
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths from child birth	Males.	Females.	Total.	Infantile mortality rate per 1,000 live births.
41	42	43	44	45	46	47	48	49
80.0	1::	0.86 2:10 1:00	.85 .27 .27 .18	80:0	7 25 26 18 19	5 20 16 18 18	12 45 42 36 37	105.26 166.66 144.33 115.01 62.82
80°0 88°0 00°0	8	0:41 0:50 0:27 0:27 1:54 0:80	20 27 29 20 20 20 20 20 20 20 20 20 20 20 20 20	80 0 4	90 24 24 15	84 28 25 12 1	174 52 49 27 1	136·79 110·87 115·84 89·11 55·56
29:0	78	88.0 88.0 1 88.0 08.0 4	0·04 0·12 0·13	1 2 4 2 2 2 11	17 42 76 28 58 90 2	17 30 67 25 40 66 3	34 72 143 53 98 156 5	153 · 16 175 · 18 169 · 63 175 · 58 165 · 26 149 · 14 87 · 72
0-17	10.	71:0 80:0 80:0 10:12 0:12 0:00	d	2 2 2 1	44 37 21 2	42 37 14 3	86 74 35	110·9 182·2 117·4 67·5
		1-20 0-05 0-05 0-15 1-27	0 2 2 2	88.0 2 1	8 336 8 27	290 11  28	. 55	168.3
0.04	1	0.72	20	4 5  4 2	67 37 5 22 14 3	55 24 4 17	122 61 9	211·4 143·1 67·6 159·8 96·5
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80.0	2,228	38.0	884-9	00 0	20 36	16 24	36	119·2 164·83

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1	g		27	-1	26	1 22	25	3	2
	lift take	HONY MY	NDER OF	MALA	RIA.	ENTERIO	FEVER.	MEASLES.	
Serial Number.	altour sidnaful	B—Towns	Formalies.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
1	b	8 2	4.7	301	4	5	. 6	724	8
149 150 151	Mont Pakp	gomery Dattan	istrict. 02 01 81	1 25 1 26 1 36	0.03	25 27 13	0.86 2.10 1.00	1	0.08
152 153 154 155 156 157 158	Lyall Gojra Tand Toba Jaran Kam	i lianwala Tek Singh nwala	84	00 1 40 48 31	0.08	20 7 2  24 2	0·41 0·59 0·27  1·54 0·39	3 3 1	0.06 0.25  0.06
159 160 161 162	Jhan Chini Ahm Shorl	adpur	80a 07 07 25 40 40	7! - 28 87 - 7 86 - 7	i · · · · · · · · · · · · · · · · · · ·	14 10 0 13 3 2f 0 2	0:33 0:42 0:53 0:26	27	0:63
163 164 165 166 167 168 169	Mult Shuja Khar Kahr Tular Mult	abad newal	13 14 15 15 15 15 15 15 15 15 15 15 15 15 15	01 115  15 12	6 6 7 0.91	22 5 2 1 5	0·17 0·68 0·16 0·12 0·94	21	0·17 0·13 
170 171 172 173 174 175	Muza Muza Khai Alipu Leial Karo	affargarh I affargarh agarh ar	District.	8 72 17	0·43 1 1·54	9 2 2 2 14 6	1·29 0·65 0·45 1·27 1·54		0.01
176 177 178 179	Dera Jam Daja Raja	rpur	1	78 78 3 22 1	0.04	20 8 1 1	0·72 0·73 0·14 0·19	1 3	0·04 0·28
180	Tau	Mithan	26 26	6 88 871	0.75	1,956	0.62	762	:· 0·22
88.8	Tota	l for the Pr	ovince	2,477	0.09	9,488	0.35	2,228	0.08

RELAPSING FEVER (SPIROCHAETAL).		INFLUENZA.		CEREBROSPINAL FEVER.		9 TYPHUS FEVER.		DIPH- THERIA.	
9	10	11	12	13	e14	15	16	17	18
						dočenic	Asmosti de la	an I	
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market 1	1000 100	53	0.003	50 840	0.001	- 1004	1.0001	1 128	UU

Polimyelitis" and "Black Water fever" respectively, are blank as these diseases are not his province.

		6		71	3	9	4	<b>1</b>	5
	ECI	Payen.		Сніск	en Pox.	Mu	MPS.	Отнев	FEVERS.
Serial Number.	Desibs.	B—Town	is.	Deatis.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
81	77	01 2	15,	19	20	21	22	23	24
149 150 151	Mont Pakp Okara	gomery attan ayallpur Dis		0.03	0.108	1888	0 400 0 400 0 400 1 100	50 141 50	1·72 10·99 3·85
152 153 154 155 156 157 158	Toba Jaran Kama Cnak	lianwala Tek Singh wala	ict.	::	200		910	612 49 57 30 96 118 55	12 46 4 · 14 7 · 75 4 · 40 11 · 11 7 · 55 10 · 79
159 160 161 162	Chinic Ahma Shork	dpur	= :	. 1 	0.02	148	1999	375 237 14 43	8·74 7·64 2·48 5·51
163 164 165 166 167 168 169	Multa Shuja Khan K thro Tulam Multa Mian	ewal		811111111111111111111111111111111111111	91111111			24 92 67 83 82 41 9	0·19 12·49 5·33 9·71 15·38 3·25 1·78
170 171 172 173 174 175	Khan Alipur Leiah Karor Muzaf		il Line District.	7117111	0:13 1:2)			34 37 56 121 42	4.86 12.05 12.54 10.94 10.81
176 177 178 179 180 181	Jamp Dajal Rajan	ith n	n	1	0.04		0.04	164 51 119 66 65 55	5.94 4.69 17.31 12.44 22.06 6.87
0-02	So Total	Total		10:070	0.02	300019	0.005	25,794	7.49
1100	0 lots	I for the Pr	GATUCE	100.481	0.02	\$00.70	0.002	391,386	14.48

de provinces ned trade Water fever" respectively, are blank as these discusce are not

23	16	2217	7	1218		19		20	
DYSEN	TERY.	Marto Diarr Sugassi	нел.	PNEUX	IONIA.	PULMON TUBERCU		OTHER PIRATO DISEAS	RY
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
01.25	98 26	27	V8 28	8829	8830	31	32	33	34
						District	Romon	Mon	
3 4	0.10	13 3 1	0.45 0.23 0.08	34 5 35	1·17 0·39 2·77	15 4 2	0·51 0·31 0·15	10 3	0.3
13 5  1	0.26 .0.42 	18 1 1 1 1 1 3 3	0·37 0·08  0·15 0·11 	154 23 5 12 35 36 7	3·13 1·94 0·68 1·76 4·05 2·31 1·37	5	0·32 0·42	22 6 1 2 4 10	0·4 0·5 0·1 0·2 0·4
4	0.09	40 20 6 5	0.93 0.64 1.06 0.64	1.0 88	2·59 2·84 -1·59 2·69		0.35 0.42 0.53 0.38	22 12 6	0.
65 1 1 :: 2	0.52 0.13 0.08  0.16 0.20	10 10	3·85 3·39 0·24 1·17 	670 21 15 10 2 9	5:33 2:85 1:19 1:17 0:37 0:11 2:57	120 4	0.95 0.54  0.08 0.20	161 10 4 5 6	1 · 2 1 · 1 0 · 1 0 · 1
26	0.18	28.0 1 2 2 1 1	0·14 0·32 0·45 0·09 -0·26	17 3 3 7	2·43 0·98  0·27 1·80	2 2 5 1	0·43 0·65 0·45 0·45 0·26	1 3 2 1	0.
1.0 6 1.0.0 7.8.7	91	42 12 4 4 3	1.52 -1.10 -0.58 -0.75 -1.02	42 6 12 2	-1.52 -0.55 -2.26 -0.68	15 4 2	0.65 1.38 0.58 0.38 1.02 0.25	13 6 13 8	0:10:10:10:10:10:10:10:10:10:10:10:10:10
1,336	- Indiana		0.87	9,807	2.85	2,698	0.73	3,710	1
5,116	0.19	30:05,373	0.20	38,932	1.43	12,519	0.46	27 801	1.0

					was the said the				
	20	0	1.	18	21	715	22	16	23
SMS.	1		Pucaco Tunnence	Tuber	CLOSIS OF	TUBE	THER ERUCLAR EASES.	WHOOPI	NG COUGH,
Serial Number.	-edder	skie per veille.	.addae	Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths.	Rate per mille.
00	Ĭ,	6	ā	Ã	Be Be	D	- M	A	2
10	88	2	31	0035	36	37	38	39	3240
	Mon	tgomery l	District						
149 150 151	Montgo Pakpat Okara	mery	ar :	1-1	8 .:	0.0		1.0 50	-4:3
152 153 154 155 156 157 158	Lyallpu Gojra Tandlia	nwala ek Singh ala	1.6	1 8 1 1 8 1 8 0 7 1 0 8	0·02	8:0 3 0:0	0.06	2	0.04
159 160 161 162	Jhang I Chiniot Ahmadı Shorkot	ng Distric Maghiana	et.	4 4	0.13	0.0 0.1 0.1	8	00-0.978	****
163 164 165 166 167 168 169	Multan Shujaba Khanew Kahror Tulama	Cantonm	120	8-2 11-1 11-1 12-0 13-5	8 8 1 1	39 8 8 2 2 1 1 1 1	0·31 0·27 0·08 0·12	22	0.17
170 171 172 173 174 175	Muzaffa Khanga Alipur Lejah Karor		and the fo	-9-4 -0-9-		61 0 28 0 1 84 0 60 0 62 0	0.32	62 0 54 50 1 87 50 1 86 1810 18	
176 177 178 179 180 181	Dera Gh	azi Khan hazi Khan ore han	District.	55 ( - 1 55 ( - 1 55 ( - 1 55 ( - 1 55 ( - 1	23 C.O.	83-1) 01-6 83-0 87-0 20-6	81 - 0.04 81 - 0.04 8	4 2 19 	0·14 0·18 2·76
1:08	Total i	Total for the Pr	rovince	59	0.003	1,308	0.024	523	0.03

STATE	24 raiq a	2	5 1000	26	HATZIGH	27	EKE.	28
LEPRO	DSY.	CAN	ICER.	l birth.	DEATHS	UNDER ON	E YEAR.	ity rate
irit.	Row			chilc	387 -AE	retogara 1	00000	ortal e bin
	iille.		ville.	m <sub>o</sub>		KOLT	NATION.	ni (
Deaths.	Rate per mille.	Deaths.	Rate per mille.	Deaths from child birth.	Males.	Females.	Total.	Infantile mortality rate per 1,000 live births.
41	42	43	44	45	46	47	48	49
Tone.	Mex-	Variable Mercap	Ropen Dicen	March dente	South Maria	Mumb	Fenns	Mean
12	1	011:01	8 7	. 6	36 35 40	39 38 45	75 73 85	84·08 142·0 152·8
1111111		1	0·08	20 :: 1 4	222 35 20 6 33 54	198 17 18 13 20 47 14	420 52 38 19 53 101 30	172 · 76 116 · 07 148 · 44 97 · 43 176 · 08 164 · 23 146 · 34
: :	13.11	:	. ::	13 10 3	199 113 8 17	137 101 5 14	336 214 13 31	175·13 156·78 79·75 132·48
111111		-		63  3 	594 42 28 32 19 13 9	529 33 29 17 21 16 8	1,123 75 57 49 40 29 17	211 · 88 227 · 2' 135 · 7: 131 · 72 190 · 48 66 · 51 108 · 97
	::			3 3 2	28 18 24 36 16	20 16 15 26 15	48 34 39 62 31	157·38 259·54 239·26 147·97 206·66
	******	1	0.04	11 7 4 3 4 1	87 42 55 27 24 14	72 31 38 21 19 8	159 73 93 48 48 43 22	149 · 48 175 · 48 279 · 28 248 · 21 284 · 74 171 · 87
2	0.0005	70	0.02	672	12,136	10,305	22,441	171.68
24	0.001	76	0.002	1,954	102,921	83,352	186,273	167 - 57

ANNUAL FORM

## DEATHS REGISTERED FROM CHOLERA IN THE DISTRICTS

1	2 .HARY H	OEB ON	3 3	DEAT	4		SISTS	DAN		5	reonval
	disposition of the pitch	REC	LES OF	VILI	AGES.		allo.	and a		Mo	N
	DISTRICTS.	Number in each district.	from which from cholera ported.	each district.	from which from cholera		Habaper a	Downing.		S Broidsta	Doğibe -
Number.	Mentgomery l	Number in	Number from deaths from were reported	Number in each	Number from deaths from were reported	January.	February.	March.	April.	May.	June.
1	0-SAFE 287 8-S51 288	883	4 01	5	6.	7	8	9	10	11	12
1 2 3 4 5 6	Ambala Division- Hissar Rohtak Gurgaon Karnal Ambala Simla	25 20 24 26 24 6	05 05 1 1	960 722 1,366 1,390 1,724 187	20-0	80	8	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		To de Salaria de la constanta	
7 8 9 10 11	Jullundur Division.  Kangra Heshiarpur Jullundur Ludhiana Feroze ore	22 20 18 15 33	8 8 7	709 2,108 1,221 840 1,497	81 0.4 01 0.4 01 0.4			:::		Sam :	100
12 13 14 15 16 17	Lahore Division. Lahore Amritsar Gurdaspur Sialket Gujranwala Sheikhupura	33 19 27 19 18 19	10 10 10 0	1,065 1,112 2,363 2,053 1,259 1,214	3					: Statement :	2000
18 19 20 21 22 23	Rawalpindi Division.  Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Multan Division.	23 28 16 14 17 16	8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8	1,445 989 954 1,170 649 441	8				2:::::::	101000000	1 1 1 1 1 1 1
24 25 26 27 28 29	Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	28 26 15 26 24 25	2000	1,833 1,355 1,017 1,645 850 714	11 2 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3 4 3		0.	1	::	3.25000	
	Total Desc.	626	4	34,852	4	. 2	0.	97		\$000.0	2

No. VII.

OF THE PUNJAB DURING EACH MONTH OF THE YEAR 1939.

	-						6	-		7		8	9
THS.						-808	Тота	L M(	PI	OPULAT	OF	00 for	
July	August.	September.	October.	November.	December.	Males, tres non pure	Females.	Total.	Males. Partie graph graphs	Females.	Total.	Mean ratio per 1,000 previous five years.	Number.
13	14	15	16	17	18	19	20	21	22	23	24	25	26
0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0 0.0	155 155 155 155 155 155 155 155 155 155	88 88 88 88	88 88 87 87 8	811 82 83 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1 1 8 1	148 112 123 143 143 143 143 143 143 143 143 143 14	07 00 00 00 00 00 00 10 10	001 001 100 100 100 100 100 100 100 100	1	0.002	0.003	0 04	0.06 0.07 0.12 0.17 0.16 0.02	3 4
0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	8 14 15 45 16 17 18 18 18	18 18 15 15 15 15 15 15 15 15 15 15 15 15 15	15 51 51 51 51 51 51 51 51 51 51 51 51 5	23 10 10 10 10 10 10 10 10 10 10 10 10 10	.: 021	888	709 101, 101, 101, 101, 101,	0 0 10 0 0 10 0 0 10 0 0 10 0 0 10 0 0 0 0	82 81: 81: 81:	. incisi	integral integral intak intak epiden	0·07 0·02 0·04 0·07 0·16	7 8 9 10 11
24 24 24	9	7	De Marie	80. 11. 21. 21. 21.	200	<sub>7</sub>	9	 16 	0·01 0·001	0.01	0.01	0·25 0·08 0·02 0·01 0·03 0·02	12 13 14 15 16 17
	28 28 28 28 28 28 28 28 28 28 28 28 28 2	10 10 10 10	# 88 0 12 01 01	1150000	- FIR - 6	11 1000	080 080 080 091, 040	14.	***	doleiv	one.	0·01 0·004 0·003 0·04 0·06 0·01	18 19 20 21 22 23
1	10 170 170 170 170 170 170	8 4 2 2 3 6	92 90 90 90 90 90 90 90 90 90 90 90 90 90	13 00 00 00 00 00 00 00 00 00 00 00 00 00	84 84 84 84 84 84 84 84 84 84 84 84 84 8	180	.888. .0.0.7 .0.0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.0.7 .0.0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.7 .0.0.0.7 .0.0.0.7 .0.0.0.7 .0.0.0.0	10.	88 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6		ancella control	0·02 0·01 0·002 0·001	24 25 26 27 28 29
	11	7	200	1	UBO	9	10	19	0.001	0.001	0.001	0.06	

ANNUAL FORM
DEATHS REGISTERED FROM SMALLPOX IN THE DISTRICTS

101	8	2 7	1 3	3	8							5
	103 0	OW DEATHS 1,000 OF	OF I	REGIS -								Mon
Number.	Mesu tegio ber 1'000	DISTRICTS.	Number in each district.	Number from which deaths from Small-pox were reported.	Number in each dis-	Number from which deaths from Small- pox were reported.	January.	February.	March.	April.	Мау.	June.
88 1	25	2 2 2	CIRCLES OF REGISTRATION.    CIRCLES OF REGISTRATION.   CIRCLES OF REGISTRAT	12								
1 2 3 4 5 6	Hissar Rohtal Gurgae Karnal Ambala Simia	on 200 0	24 26 24	20 21 22 14	1,366 1,390 1,724	60 83 54 22	12 31 8 2	25 32 6 6	32 67  6	32 60 2 5	32 27 34 14	15 8 14 44 9 2
7 8 9 10 11	Kangra Hoshia Jullund Ludhia Ferozej	rpur lur na pore	20 18 15 33	17 15 13	2,108 1,221 84 0	160 50 71	22 16 17	21 15 28	37 15 31	18 17 35	41 17 48	5 52 12 28 45
12 13 14 15 16 17	Lahore Amrits Gurdas Sialkot Gujran Sheikh	wala upura	33 19 10 27 19 18	15 15 13 13	1,112 2,363 2,053 1,259	36 20 40 62	13 3 14 20	0 4 11 18	11 2 15 7	4 3 7 4	7 4	40 24 1 22 4 3
18 19 20 21 22 23	Gujrat Shahpu Jhelum Rawali Attock Mianwa	oindi	28 16 14 17	17 11 13 13	989 954 1,170 649	76 35 43 53	22	0 8 6 12	32 2 11 19	10 18 3 13	23 8 2 14	4 13 7 4 5
24 25 26 27 28 29	Montgo Lyallpu Jhang Multan Muzaffa Dera G	omery argarh hazi Khan	26 15 26 24	17 13 19	1,355 1,017 1,645 850	32 47 72 8 52	14 24 4 3 8	30 6  13	6 15 8 3 21	18 4	10 17 1	26 1 10 9 1
	To	otal 100 0	626	446	34,852	1,599	580	566	551	475	511	427

No. VIII. OF THE PUNJAB DURING EACH MONTH OF THE YEAR 1939.

ANNUALTRORM

7-							6	-		7		8	-	9
rhs.						1	TOTAL	Pisho S. S.	DEA	ER OF ATHS ONG OREN.	PE	O OF DE	OF	previous
July.	August.	September.	October.	November.	December.	Males among them the	FemalesPec In a cp grap	Total same to bound by	Under one year, or que	Over one year and under ten year.	Males.	Females.	Total.	Mean ratio per 1,000 for previous
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
2 14 8 26 6 1 1 10 13 10 19	 3 1 7 6 2  1 5 6 6	3  14    2 7 1	5 1  2 3 2 3	7 1 25  10 3  52	15 53  82 9  1 76 10 20 27	251 120 130 145 40 9 5 144 63 114 224	247 101 111 108 24 3 150 65 118 217	498 221 241 253 64 12 13 294 128 232 441	174 66 56 71 5 1 89 32 54 156	256 124 151 135 30 2 1 139 44 120 213	0·46 0·23 0·29 0·27 0·08 0·36 0·01 0·23 0·10 0·26 0·31	0·53 0·23 0·28 0·25 0·06 0·20 0·27 0·13 0·34 0·36	0·49 0·23 0·28 0·26 0·08 0·30 0·01 0·25 0·11 0·30 0·33	0.23 0.14 0.06 0.05 0.04 0.10 0.05 0.19 0.02 0.09 0.14
24 14 7 3 10 7	10 5 2 4 2 4	3	2 1	16 7 11 1	40 8 8 5 1	161 49 30 53 39 21	109 56 11 36 34 28	270 105 41 89 73 49	62 27 14 20 30 9	159 52 15 38 26 17	0·18 0·07 0·05 0·08 0·08 0·05	0·16 0·09 0·02 0·07 0·09 0·07	0·17 0·08 0·03 0·08 0·09 0·06	0·32 0·11 0·02 0·07 0·49 0·22
12 6 3 8 3	3 6  1 2	 12 12  2 1	2 3 7 	7 6 4 7 1 3	4 48 15 7 23 5	24 90 43 29 55 23	26 105 48 26 65 21	50 195 91 55 120 44	16 46 25 17 36 11	24 106 48 10 50 21	0.04 0.18 0.13 0.07 0.16 0.09	0.05 0.24 0.16 0.08 0.21 0.09	0·05 0·21 0·15 0·08 0·18 0·09	0·18 0·11 0·06 0·09 0·06
8 2 16 6 	10 1 13 6 	2   7  6	3 1 2 2  3	23 3 1 6	29 3 7 23	139 19 74 52 6 88	134 22 72 46 2 78	273 41 146 98 8 166	58 9 39 24 2 28	156 15 41 49 4 85	0·21 0·02 0·18 0·07 0·02 0·29	0·25 0·03 0·20 0·07 0·01 0·31	0·23 0·03 0·19 0·07 0·01 0·30	0·05 0·03 0·04 0·06 0·01 0·06
255	1 2	68	42	194	530	2,240	2,071	4,311	1,177	2,131	0.12	0.17	0.16	0.11

ANNUAL FORM
DEATHS REGISTERED FROM PLAGUE IN THE DISTRICTS

	1	2	EAR THE	3	4	MON	HOAR	ENI	iva i	ATNU	9 8 11 3	T 10
ions a	818		REGU	ES OF STRA- ON.	VILLAG	Es.						Mon-
years.	Number.	Districts.	Number in each district.	Number from which deaths from plague were reported.	Number in each district.	Number from which deaths from plague were reported.	January.	February.	March	April.	May.	Jone.
The state of	1	2	3	4	5	6	7	8	9	10	11	12
79		Ambala Division	1 22	1 10	02	PI I	PL I	11	01-10	ä	100	12
	1 2 3 4 5 6	Hissar Rohtak Gurgaon Karnal Ambala	25 20 24 26 24 6	8 100 1800 1800 1800 1800	960 722 1,366 1,390 1,724 187							I II
	80	Jullundur Division		186	題對						17	
	7 8 9 10 11	Jullundur Ludhiana Ferozepore.	22 20 18 15 33	0.18 0.04 0.04 0.04 0.04 0.04	709 2,108 1,221 840 1,497	100000					design :	PERE E
28-0 11-0 20-0 70-0 81-0 22-0	12 13 14 15 16 17	Sialkot	33 19 27 19 18 19	- H - H - H - H - H - H - H - H - H - H	1,065 1,112 2,363 2,053 1,259 1,214				::		200 170 170	40.8
		Rawalpindi Divisio	n.	M. Pro-	82		1		1	1	1	1
0.00 0.00 0.00 0.18 0.18	13 19 20 21 22 23	Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali	23 28 16 14 17 16	1.01	1,445 989 954 1,170 649 441			:::	88.118.6			
		Multan Division		1273	1,800	120	1	1	26	9 . 10	1	1 30
0.00 0.00 0.00 0.01	24 25 26 27 28 29	Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khar	28 26 15 26 24 1 25	80.1	1,833 1,355 1,017 1,645 850 714	:		::::				1111111
12.0		Total	626		34,852	1		1				

No. IX-A.

OF THE PUNJAB DURING EACH MONTH OF THE YEAR 1939.

Mar.	T	Arnu.		LARCH.	x l.x	RAUSHRE	6	JAN	1		7		8
THS.							Тота	ROY	RA	TIO PO	OF DEA	THS PER	previous
July.	August.	September.	October,	November.	December.	Males.	Females.	Total.	7	Males.	Females.	Total.	Mean ratio per 1,000 for previous five years.
13	14	15	16	17	18	19	20	21		eW	23	24	We 25
M-11 M	6	W. N	W 1	VA - 13	- B	4 - 5 M	**A	DW.,			200 200 200 200 200 200 200 200 200 200	To Josephia Josephia Josephia Josephia Jakoba Jakoba Halia Manada	0·02 0·09
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::		::::::::	:::::::::::::::::::::::::::::::::::::::	::	:11::::		::		ricin	nan Die	Provide Brisish Privish	Multan Muse Ma Done Ol Total of Patiala	0·01 0·10 0·05 0·07 0·00
::	1::::1			:::1::	11:11:1	ME SIV	11.00	i.	1	(10	ala Strao	Ind Nable Kappel Naken Makelo Pedda Pakend Chamba	0.66
	:::::::::::::::::::::::::::::::::::::::	:::::	::::::	: :::::	::::::		::	:::	1		Punja	Pulana Palaspu I obaru Mandi Robet Solet	0.00
								-:-	-	Jati	T. ban	20	0.07

## ANNUAL FORM

### MONTHLY STATEMENT OF PLAGUE OCCURRENCES IN BRITISH DISTRICTS-

		JAN	UARY.	FEBR	UARY.	MA	RCH.	AF	RIL.	M	AY.
Tori	RATIO OF DEATHS PILE	10000	LATOT'	CEAL ACE	1	1	1	1	1	1 48	1
lette	Districts and Punjab States.	2308									
Number.	Dielsiyle.	Cases,	Deaths.	Cases.	Deaths.	Cases.	Deaths-	Cases.	Deaths.	Савев.	Deaths.
1	2	3	4	5	6	7	8	9	10	11	12
100	1 1		3 %.	1	44 8	- 9-					
1 2	Hissar	1		日前	18 8 8	1	1	+	14		L B
3	Rohtak Gurgaon	18 1	N. B.	E 16	MAR	6 4	6 8	2 4	6 4	1 1	E
4	Karnal	19	F)-	1 2	-	100	No.	1	10		
5	Ambala			8	1		1	1	1 35	1 31	100
6 7	Simla	2	05	9	8	1	12 1		45	I	1
8	Kangra Hoshiarpur					1 to		-	-	1	-
9	Jullundur	1								1000	1 .
10	Ludhiana	1		1980							1 +
11	Ferozepore	1	- 1	1 7 200			1	1		1	10
12	Lahore	!!	133	1 200						1	
13	Amritsar			1 24					1	1.	1.
15	Gurdaspur Sialkot	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
16	Guiranwala	1	1			1	1	-	1.	-	10
17	Sheikhupura	1							1		
18	Guirat	1	1 11							!	1
19	Shahpur	100	11	2 2 13 13 13			1	1.	1 10		1
20 21	Jhelum Rawalpindi	138		11005					1. 1	1 13	14
22	Attock	15		1840			10 11		+ 13	L	-
23	Mianwali			1 197		1	1	10 10	1	1	1
24	Montgomery	1					1			1	
25	Lyallpur						15		1		1.
26 27	Jhang	331	1	Stres		1	11 33	1	1		2
28	Multan Muzaffargarh	10	1	2111			14 3.	14 13	1		1
29	Dera Ghazi Khan	100		11,063		-	13 13	1	1	4	1
10 0	Dotte Gilden It lieu		-			-	-		-		1
0.0	Total of British Districts	48 1				3 4	13 15			1	
00-0	200	-									
1 2	Patiala Bahawalpur	1				4	11 10				1
3	Jind									111	
4	Nabha	120	1 40 8	1,445					1118	1	1
5	Kapurthala	11.00		988			1	11	1 19	17 18	11
6	Nahan (Sirmoor)	1-39 8	1100	1 900			13 13				
8	Malerkotla			1000							4 1
9	Faridkot Pataudi	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
10	Kalsia	1						-		-	199
11	Chamba	1								111	
12	Dujana		-	The same						1010	
13	Bilaspur	1 20		Thomas			1	1.1		1.19	44 1
14	Nalagarh	1.98	1000	784	Ok i			1 1	1.3	1	-4
16	Mandi	1.26		1600	2				44		21
17	Suket	1.24		8. 85	41	4		-	9. 1.	19 10	
	D Durch Steel Blanch		- 1								
10	Total of Punjab States	_	-	- PARTE						-	-
	Grand Total					20 1	4.0	0.0	0.7	20 1	

No. IX-B. UMMA

#### AND PUNJAB STATES IN THE PUNJAB DURING THE YEAR 1930.

Ju	NE.	Ju	LY.	Aug	UST.	SEPTE	MBER.	Ост	OBER.	Nove	MBER.	DECEM	BER.	Т	OTAI
	-	ROA	VILLE		.WO)	FAUTS	oun us	Near	00						
Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths,	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.	Cases.	Deaths.
13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
28.01	1kps	MAN		Mon	- Dice	Tall Tall			3		2		-		010
	8	7		6 8		ac .			10		11	8	12		I
					1						mislyl	G also	Am		
200 300 300 724	I LL	The Parity of th	900 702 ,308 ,308 ,724		22 20 22 28 28 8		0 10 10 10 10 10 10 10 10 10 10 10 10 10		2,44		\$ 54 2 30 1 30 1 30 1 30 1 30 1 30 1 30 1 30 1		Janes . Janes	Hoi Kol Kol Kol Kol Kol Kol Kol Kol Kol Kol	-0405-410-0
Nil	Nil	Nil	Nil	Nil	Nil	N	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil
100 120 120 135	.1	1	109 ,108 ,221 ,840 ,497		05 81 81 88		1.000000		1.0				gra biana biana biana	Mol.	110 8 110 110
985 868 868 958 958	1000		960. 911. 988. 980.5		88 65 65 65 65 65 65 65 65 65 65 65 65 65		1 80					81	daspu daspu kob. kob. Rucpi	出る。	12 14 14 16 16
392 989 954 1170 849	1		2011, 980 100 971, 910 144		はなりはなり		7 300000				elatviC	ibmiq	dan	Sha Line Ray Acc	110
Vil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	Nil	N il	Nil	Nil	Nil		Nil	Nil
833 855 845 845 850 714	1111		.833 .017 .017 .017 .045 .050 .0714		000 000 000 000 000 000		2000000		1111		1,00	2477	lipar ilan an dine	Lys Sha Mal	250 250 250 250 250 250 250 250
	-	-	1000 N		T Dies		30 26	2	275	13	Hat	12	39.9	10 1	

## ANNUAL FORM

## DEATHS REGISTERED FROM FEVERS IN THE DISTRICTS OF THE

	States			CII	CLES OF B	EGISTRAT	ION.	VILL	AGES.
Number.	DISTR	ICTS.	Se Consta	S Describes	Number in each district.	Number from which deaths from fevers	were reported.	Number in each district.	Number from which deaths from Fevers were reported.
1	2				3	4		5	6
	Ambala I	ivision					1		
1 2 3 4 5	Hissar Rohtak Gurgaon Karnal Ambala	::			25 20 24 23 24		25 20 24 26 23	960 722 1,366 1,390 1,724	96 72 1,36 1,38 1,72
6	Simia Jullundur	Division	PAT.	Sep.	M		6	187	NE DE
7	Kangra				22		22	709	70
8 9	Hoshiarpur Jullundur				20		20	2,108	1,96
10	Ludhiana	**	11	-	18 15		18	1,221 840	1,12
11	Ferozepore		1.		33		33	1,497	1,33
1	Lahore D	ivision.							
12	Lahore				33		33	1,065	1,00
13	Amritsar			1	19		19	1,112	1,1
14	Gurdaspur				27		26	2,363	2,30
15 16	Sialkot			1	19		19	2,053	2,0
17	Gujranwala Sheikhupura	-		+	18		18	1,259	1,2
Pa					19		19	1,214	1,2
I STA	Rawalpindi	Divisio	n.		1 1/1/1				1
18	Gujrat				23		23	1,445	1,3
19	Shahpur			1	28		28	989	9
20 21	Jhelum			1	16		16	954	9
22	Rawalpindi Attock	::			14		14	1,170	1,1
23	Mianwali	::	PU	12	17 16		17 16	649 441	6 4
519	Multan D	ivision.	DA	3 Vs.	DAY I	X PA	25.42	BK BK	NA DA
24	Montgomery	7.	-	-	28		28	1,833	1,8
25 26	Lyallpur Jhang			1	26		26	1,355	1,3
27	Multan	1.			15 26		15	1,017	1,0
28	Muzaffargarh	1::	::		26		26	1,645 850	1,6
29	Dera Ghazi Kh	an		-	25		25	714	7
10-013	Company Street	otal		-	626		624	34,852	34,2

No. X.

#### PUNJAB DURING EACH MONTH OF THE YEAR 1939.

5 MONTHS. Districts, February January March April. July. May. 7 8 9 10 11 12 13 2,898 3,437 1,755 2,421 2,355 3,541 2,954 2,459 2,002 2,122 1,540 1,546 1,303 1,543 1,231 1,571 1,422 1,384 1,144 1,137 1,132 1,642 911 1,106 1,107 855 902 1,343 374 326 379 297 1,108 1,425 1,294 29 28 22 12 18 13 1,504 1,704 1,466 1,356 1,405 1,162 1,170 1,522 1,208 1,375 1,132 1,571 1,264 1,554 1,4071,299 1,670 1,916 1,743 1,274 1,168 1,411 1,166 1,033 965 899 975 981 1,865 1,929 1,970 2.364 1,950 1,619 1,466 1,50 1,068 1,577 1,776 1,931 1,564 1,170 1,131 1,961 1,195 1,080 1,411 941 1,815 1,166 1,877 df. 1,666 1,393 986 1,066 1,557 1,014 1,036 1,400 1,362 1,061 908 1,554 1,413 899 903 1,119 1,210 977 7141,312 1,085 901 825 679 1,127 1,362 1,333 1,568 1,245 1,445 1,313 1,093 954 1,248 849 845 911 1,250 923 776 1,174 820 723 506 512 601 738 656 1,115 1,219891 744 902 698 667 613 797 864 592 790 768 711 576 632 794 725 650 587 630 1,590 1,366 1,124 995 1,525 1,656 1,354 1,501 1,285 1,444 1,203 1,935 2,185 1,923 708 1,564 591 730 705 1,051 814 752 1,339 1,088 1,458 1,637 1,454 1,123 1,036 875 936 629 873 545 688 860 809 792 635 621 620 472 36,947 31,030 30,216 138,384 39,760 35,733 27,617

1	2	IE KEAR LO	THO EX	5—concld.	e estandi	PUNTAL
	2	5	М	ONTHS-conc	ld.	
	Districts.	GRITHOL		marcon.	ber.	oer.
Number.	Districts.	August	September	October	November.	December
1	2 4.	14	15	16	17	18
-	Ambala Division.	1 > 4	1 1 8		AZY	Si amin
1 2 3 4 130.5	Hissar Rohtak Gurgaon Karnal Ambala Simla	2,521 1,574 1,107 1,382 1,452 21	2,085 1,454 1,128 1,757 2,312 21	2,060 1,641 1,290 1,823 2,442	1,930 2,011 1,176 1,909 2,169 2	1,863 1,872 1,074 1,638 1,973
1,107	Jullundur Division.	903	379	971	13 40	
7 8 9 25 10	Kangra Hoshiarpur Jullundur Ludhiana Ferozepore	1,110 1,561 1,531 1,008 1,737	1,392 1,387 1,188 987 1,463	1,573 1,428 1,180 964 1,607	1,335 1,165 1,267 1,119 1,778	1,233 1,345 1,265 1,117 2,172
1,083	Lahore Division.	189		1888	1 1000	2, 2,
12 13 14 15 16 17	Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura	1,634 1,723 1,388 1,535 1,205 1,220	1,480 1,433 1,227 1,242 994 967	1,284 1,510 1,350 1,168 899 854	1,426 1,542 1,319 1,196 1,059 1,080	1,504 1,610 1,196 1,151 1,299 1,172
11,388	Rawalpindi Division.	970		200	11.00	
18 19 20 21 22 23	Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali	1,159 \$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\\$\	1,114 833 618 632 519 537	1,048 724 585 709 574 570	1,187 896 735 787 763 611	1,176 995 682 815 822 716
1011 3	Multan Division					11/2/4/10
24 25 26 26 27 28 29	Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	1,174 1,683 697 814 476 392	1,139 1,595 556 892 556 456	1,182 1,385 603 988 647 509	1,478 1,412 707 1,342 901 618	1,585 1,534 832 1,496 1,046 839
35,733	087.0E 138.3E	33,455	31,964	32,920	34,920	36,030

	LFORM	AUMUA			7		8
The Parket of the Parket	LABRIGA,	TOTAL.	DY DYSENT		DEATHS PER OPULATION.	1,000 OF	1,000 for
The same of the same of the same of	Males.	Females.	Total.	Males.	Females.	Total.	Mean ratio per 1,0 previous five years.
No. 5 . 11	19	20	21	22	23	24	25
Street, Square of the land of	16,176 10,913 7,884 8,419 8,031 93	14,346 9,450 7,170 7,698 7,520 105	30,522 20,363 15,054 16,117 15,551 198	29·39 21·37 17·42 15·96 17·22 3·75	30·72 21·24 18·26 17·61 20·13 6·96	30·00 21·31 17·81 16·71 18·52 4·96	18·36 18·75 20·22 18·60 17·12 4·81
The same and the s	8,118 9,777 8,348 6,648 11,681	7,629 8,345 7,750 5.840 10,239	15,747 18,122 16,098 12,488 21,920	18.05 15.67 13.91 15.39 15.98	18:38 15:30 15:08 16:69 16:81	18·21 15·50 14·45 15·97 16·36	14·02 17·75 15·18 12·62 14·94
	9,047 9,510 7,876 7,774 6,700 6,702	8,528 8,644 7,366 7,252 5,890 5,903	17,575 18,154 15,242 15,026 12,590 12,605	10.08 13.22 12.67 12.25 14.52 14.83	12:55 14:67 13:96 13:53 15:58 15:74	1.00 2 8 11	11·13 14·21 12·42 13·44 17·43 14·87
	7,309 5,998 3,806 4,566 4,756 3,952	6,645 5,768 3,987 4,672 4,218 3,602	13,954 11,766 7,793 9,238 8,974 7,554	12·71 11·74 11·76 11·72 13·72 15·59	13:46 13:33 13:53 13:99 13:54 15:77	13·06 12·47 12·60 12·77 13·64 15·68	14:36 12:76 14:15 10:37 15:21 18:25
THE RESERVE TO SERVE THE PARTY OF THE PARTY	8,406 9,669 4,614 8,226 5,215 4,267	7,762 9,416 4,132 6,969 3,993 3,356	16,168 19,085 8,746 15,195 9,208 7,623	12·89 12·72 11·07 11·16 14·55 13·98	14·44 14·72 11·38 11·49 13·15 13·21	13·59 13·64 11·21 11·31 13·91 13·63	13·74 12·81 10·31 14·35 17·84 16·24
100	2,14,481	1,94,195	4,08,676	14.51	15.60	28 0.3	14.83

## ANNUAL FORM

## DEATHS REGISTERED FROM DYSENTERY AND DIARRHŒA

	.87.8	.HOPT	BOPULA 3		4	Moi	12/15	- Sept.	5		
	Toda Does	RE	RCLES OF	VI	LLAGES.			100	ber	М	ONTHS
-	DISTRICTS.	each district.	from which rom Dysen- Diarrhœa were	district.	om which b Dysen- Diarrhœa ed.	LetoT	0000	Rema	Nevera		DESTER !
	26 2	each	from from Diarrh	each	from from and Di eported.	21	16	0.9	37		138
Number.	Atolain Divis	Number in	Number deaths for tery and I	Number in each district.	Araths from tery and D	January.	February.	March.	April.	May.	June.
1	18. 2 1 mm 17. 81	137	4	5	6	771	8	97	10	100.8	12
1 2 3	Ambala Division. Hissar Rohtak	25 20 24	23 20 23	960 722 1,366	253 109 62	23 13 19	16 10 12	24 14 9	37 25 22	87 20 32	79 23 12
4 5 6	Gurgaon Karnal Ambala Simla	26 24 6	26 23 4	1,390 1,724 187	132 134 18	14 23	13 17 1	18 19	25 37 1	39 53 5	48 35 1
7 8 9 10 11	Jullundur Division.  Kangra  Hoshiarpnr  Jullundur  Ludhiana  Ferozepore	22 20 18 15 33	22 19 18 14 21	709 2,108 1 221 840 1,497	504 501 135 60 300	71 35 20 10 32	138 25 7 8 22	179 41 21 14 13	40 63 29 27 35	142 68 51 39 57	159 45 28 25 28
12 13 14 15 16 17	Lahore Division  Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura	33 19 27 19 18 19	31 17 26 19 14	1,065 1,112 2,363 2,053 1,259 1,214	70 896 248 210 38 20	35 35 18 22 5	17 26 13 14 2	28 51 5 14 6	63 61 26 17 17	71 117 89 60 11 6	67 135 58 49 16
	Rawalpindi Division	81-18	-1	1,214	100	13.9	1.05	6,64	1,18	7,309	2,178
18 19 20 21 22 23	Gujrat	28 28 16 14 17 16	22 21 16 14 13	1,445 989 954 1,170 649 441	220 149 106 54 33 43	13 21 11 8 5	11 16 9 7 1 6	9 16 19 13 3 8	18 34 7 18 11 8	26 43 28 35 11 23	38 60 22 31 19 8
13	Multan Division.	14-14		a SI	. 8	1.01		7.76		8,406	
24 25 26 27 28	Montgomery Lyallpur Jhang Multan Muzaffargarh Dera Ghazi Khan	28 26 15 26 24 25	22 21 15 21 5	1,833 1,355 1,017 1,645 850 714	48 119 130 40 4 32	7 13 27 34 4 5	2 9 23 14 1 2	3 7 15 41 1 12	7 8 13 40 3 10	12 16 15 79 6	14 8 25 82 1 7
29	Dera Ghazi Khan	626	-	34.852	4,658	537	442	604	703	1,252	-

NO. XI. JAUNNA
IN THE DISTRICTS OF THE PUNJAB DURING EA CH MONTH OF THE YEAR 1939.

029	THE	BIO S	B DU	RING	EAT	B-MON	6	THE E	100	7		8	
		AGES.	LHV.		. KOT	AJITRIDS	TOTAL.	CIRCLES	PEF	O OF DEA	OF	for pre-	
July.	August. Discusses	September: From	October.	November.	Decamber, advance	Males. pick geaply	Females.	Total.	Males.	Females.	Total.	Mean ratio per 1,000 f	
13	14	15	16	17	18	19	20	21	22	23	1.24	25	
75 30 33 42 35 5	79 60 37 33 45 6	70 45 29 49 59 2	55 54 31 41 50	49 80 32 75 41	44 48 28 37 43 2	331 238 153 232 268 18	307 184 143 202 189 6	638 422 296 434 457 24	0.60 0.47 0.34 0.44 0.57 0.78	0.66 0.41 0.36 0.46 0.50	0.63 0.44 0.35 0.45 0.54 0.60	0.35 0.20 0.26 0.30 0.42 1.08	
106 66 25 26 44	125 73 53 35 35 32	136 51 29 25 29	101 60 29 15 25	72 70 32 20 49	93 56 17 19 64	706 373 192 159 269	656 280 149 104 161	1,362 653 341 263 430	1.57 0.60 0.32 0.37 0.37	1.58 0.51 0.29 0.30 0.26	1.57 0.56 0.31 0.34 0.32	2:35 0:76 0:33 0:23 0:23	F
84 120 54 40 20 3	65 96 36 64 14	78 114 35 44 18 3	44 78 33 53 12 2	57 51 38 34 10 4	43 36 38 26 9 4	344 472 240 262 86 17	308. 448 203 175 54 15	652 920 443 437 140 32	-0.38 -0.66 -0.39 -0.41 -0.19 -0.04	0.45 0.76 0.38 0.33 0.14 0.04	0·41 0·70 0·38 0·37 0·17 0·04	0.55 0.42 0.35 0.60 0.15 0.08	I I I I I I I
26 43 31 18 7 12	32 44 25 21 12 14	29 28 18 13 2 16	12 28 9 9 5 17	37 29 16 19 8 9	30 32 16 13	164 206 135 113 41 75	117 188 76 92 44 64	281 394 211 205 85 139	0.28 0.40 0.42 0.29 0.12 0.29	0.24 0.43 0.26 0.27 0.14 0.28	0·26 0·42 0·34 0·28 0·13 0·29	0°27 0°32 0°26 2°09 0°07 0°24	
5 19 14 56 	3 24 22 85	13 11 19 54 	3 15 8 39 1 9	7 18 18 70 3 15	9 11 17 44 3 9	5 1 79 118 326 12 66	34 80 98 312 11 43	85 159 216 638 23 109	0.08 0.10 0.28 0.44 0.03 0.22	0.06 0.12 0.27 0.51 0.04 0.17		0·13 0·13 0·35 0·50 0·08 0·20	180
1,047	1,146	1,029	839	963	801	5,746	4,743	10,489	0.39	0.38	0.38	0.43	

clxxvi

ANNUAL FORM

# DEATHS REGISTERED FROM RESPIRATORY DISEASES IN THE DISTRICTS

	3	2	3 1		:	3				4	
	ON.		Office and		OF R	EGISTRA	rion.		VILL	AGES.	0261200
ır.	Dist	RICTS.		Number in each district.	om which		Diseases reported.		Number in each district.		from Respira- tory Diseases were reported.
Number.				umber i	legis I	Number which from	were	and an	umber i district.	Number	from tory were
1		-	B B 3	3	-	4	Tail	-	5	No.	6
	Ambala	Divisio	n.	2	20	lei_	181	VV	101	ōf.	161
1	Hissar				25		25		960		646
2	Rohtak			200	20 24	200	20	08	722	70	680
3	Gurgaon Karnal	10.080 LP-03	000	888 888 888	26	88893	22 26	08 9	1366 1,390	G1 87	598
5	Ambala	88-0	288 0	D02 722	24	Battle	23	88.1	1.724	88 20	625
6	Simla	86.0	PAR 0	12 48 45 TO	6	288	6	HET .	187	NA 100	3
	Jullundun	Divis	ion.	1 St. 7 34	981	BBS	100			2 58	
7	Kangra			I They	22		22		709		602
8	Hoshiarpur	1-58	1:67	1,362	20	706	20	72	2,108	186	807
9	Jullundur	13.0	1:00.0 .	80808	18	BISTE	18	600	1,221 840	00 88	177
10	Ludhiana Ferozepore	97.6	188.0	0.000.000	15 33	S CAPE	15 26	080	1,497	18251	1,219
0	Lahore			1 023540	101	00 0080	100	49.0	3 35	9239	28 2
110	Elderstein Control				00	1		25		197	Nine.
112	Lahore Amritsar	02-0	88.0	OS2	33 19		30 19		1,065 1,112	BEEF	1,112
14	Gurdaspur	88.6	Tag-o	EAR	27		26		2,363	85	904
15	Sialkot	88.8	131.0 ·	100 6370	19		19		2,053	2993	1,89
16	Gujranwala	25.6	1.0.	D 12 033	18		18		1,259	810	513
.17	Sheikhupura	10.0	1880	1 11,214	19	20 1	19		1,214	100	302
	Rawalpind	i Divi	sion.				18				
18	Gujrat	100	88-0	188	23	801	22	1 25	1,445	20	1,07
.19	Shabpur	840	330x-0 ·	1016844	28		18		989	28	189
20	Jhelum	06:30	11/23/0.	1118 18	16		16		954	181	411
21	Rawalpindi	16.97	Long.	050205	14		14		1,170	2 30	1,170
22 23	Attock Mianwali	10 to	1702-0	Bogrd	17	75	11 16		649 441	Sil	385
3 1 7	Multan I		10 7	463					8	1	
24	Montgomery	40- 1	No.	115	90		00		1 000	gi	- Back
25	Lyallpur	80.0	80.0	S\$ 050 050	28 26		28 26		1,833 1,355	11111	1,038
26	Jhang	720	78.0	alg	15	118 9	15		1,017	er i	326
27	Multan	0.51	1 330	1 888	26		26		1,645	1227	856
28	Muzaffargarh	hon	3 80-0	20189-04	24		20	8	850	1 22	380
29	Dera Ghazi K	man	0.29	E GOTS	25	00	23		714	1034	256
1	6.38 0.43	- 88.0-	68-0	- 000-03	-	PAY 3	103	200	and the same	628	BELL
		Total	83%	10.000	626		589		34,852	N CHILD	19,714

No. XII.

OF THE PUNJAB DURING EACH MONTH OF THE YEAR 1939.

			5			34
up on	aber.	Mon	rhs.			
Males Decen	date;	Oato	Rebin Auffer	Serbe	3 1	35
January.	February.	March.	April.	May.	June.	July.
5107	8	9	10	11	12	13
181.	000 TOI	8.7 an	1 344	1:10	200	dedmin.
543 276 374 1,261 1,404 34	407 192 269 935 1,322 21	333 157 244 711 1,189 23	245 127 155 511 1,003 22	171 145 162 563 560 21	187 112 102 532 93 38	147 112 115 460 86 23
78d 880	828 TAN 8	I LASSI	· Hai	144	6100	
296 478 263 231 977	323 445 234 242 746	380 4 <sup>-</sup> 9 212 205 456	230 291 149 140 305	442 278 180 109 241	292 201 132 89 154	248 209 135 86 175
803 523 781 451 238 137	545 395 5 9 343 131 104	451 376 733 330 121 70	375 333 560 261 56 37	331 423 661 287 25 24	280 397 604 265 31 20	256 350 436 272 28 28
420 452 288 468 419 65	360 417 255 424 243 82	298 407 179 338 270 74	172 219 134 166 151 62	166 176 111 169 122 53	172 121 73 151 142 31	180 95 78 138 126 43
370 370 295 424 108 70	392 361 295 410 65 68	249 330 273 384 57 73	156 189 221 172 37 39	98 169 194 165 23 33	93 158 114 167 16 37	53 120 111 111 5 26
12,819	10,605	9,402	6,518	6,102	4,804	4,252

1	2	uciti p kg m	n Koby	5—concld.	THE STATE OF	JIX .
-	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	HY MHT MO	Mon	THs—concld.	INO STAN	UT HHT
-	DISTRICTS.	Cinetaes o	y Application	veion.	Vintage	
Number		August,	September.	October.	November.	December.
_	Districte		-			-
1_	2	14	_ 15	16	17	
1	Ambala Division.	00	100	105	150	900
1 2	Hissar Rohtak	132	126 85	125 136	150 143	269 216
3	Gurgaon	124	92	142	130	172
5	Karnal	448 64	565 75	719	909	1,131
6	Simla	18	30	84 25	16	293
1	Affected tar lettellag	245	20   293	20 1	0.5 722	080 548
3	Jullundur Division.	127	157	22   1	OT SOL	878 505
7	Kangra	263	351	233	210	27
8	Hoshiarpur	172	132	152	301	381
10	Jullundur	142 62	108	126	216	17
11	Lu ihiana Ferozepore	151	152	69 148	92 328	174 58
77	Hange		25	22	209 1	
10	Lahore Division.	280	880 088		SE 100	808 808
12	Lahore	220	229	195	272	52
13	Amritsar	296	210	227	331	36
14	Gurdaspur Sialkot	476 307	434 219	456 241	540 294	670 34
16	Gujranwala	12	19	26	51	10
17	Sheikhupura	18	24	25	62	10:
100	Rawalpindi Division-	875	130		100	
	Establish NOS TAB	888	010		2 16	
18	Gujrat Shahpur	148	124	118	174	21
20	Jhelum	86	51	101	177 95	26 12
21	Rawalpindi	116	92	99	135	23
22 23	Attock Mianwali	103	87	86	.125	15
40	Mianwaii	40	38	37	37	024 420
100	Multan Division.	919	10	15	10-054	
24	Montgomery	56	51	67	121	17
25	Lyallpur	97	106	109	158	27
26	Jhang	88	91	65	135	80 21
27 28	Multan Muzaff rgarh	116 27	81	82 20	176	20
29	Dera Ghazi Khan	24	30	23	40 32	4
	3 9 80 80	831	0.00	20 .	08,335	370
121	SINGE SINGE	189	080		88,017	928 329
	194 195 1967 1967 1967 1967 1967 1967 1967 1967	1 007	1 100	20	II SOLVE	192 A24
	Total	3,995	3,773	4,025	5,617	7,85

MOSESS SO	TOTAL.	- Indiana	RATIO OF DEA	,000 OF	1,000 for ars.	
Males.	De Females.	Total.	Males.	E Females.	Total.	Mean ratio per 1,000 previous five years.
1,572	1,230	2,802	2·86	2.63	2:75	1·15
1,011	822	1,833	1·98	1.85	1:92	1·59
1,166	915	2,081	2·57	2.33	2:46	2·32
4,730	4,015	8,745	8·97	9.19	9:07	4·01
3,611	2,729	6,340	7·74	7.30	7:55	4·77
184	106	290	7·42	7.02	7:27	7·42
1,774	1,768	3,542	3·94	4·26	4·10	4·86
2,025	1,494	3,519	3·24	2·74	3·01	2·41
1,299	809	2,108	2·16	1·57	1·89	1·78
826	750	1,576	1·91	2·14	2·01	2·83
2,574	1,846	4,420	3·52	3·03	3·30	2·05
2,553	1,924	4,477	2·84	2·83	2·84	2 44
2,294	1,935	4,229	3·19	3·28	3·23	4·11
3,820	3,116	6,936	6·14	5·90	6·03	2·73
2,148	1,463	3,611	3·38	2·73	3·08	2·65
554	293	847	1·20	0·77	1·01	1·27
394	257	651	0·87	0·68	0·79	0·70
1,487	1,056	2,543	2:59	2:14	2·38	1.65
1,521	1,078	2,599	2:98	2:49	2·75	2.74
871	693	1,564	2:69	2:35	2·53	2.27
1,516	1,013	2,529	3:89	3:03	3·49	4.81
1,158	866	2,024	3:34	2:78	3·07	1.37
· · · 340	299	639	1:34	1:31	1·33	1.07
1,139	746	1,885	1:75	1·39	1.58	1.05
1,411	1,028	2,439	1:86	1·61	1.74	1.20
1,221	877	2,098	2:93	2·41	2.69	1.62
1,430	1,063	2,493	1:94	1·75	1.85	1.47
273	182	455	0:76	0·60	0.69	0.84
320	180	500	1:05	0·71	0.89	0.57
45,222	34,55 3	79,775	3.06	2.77	2:93	2.28

## ANNUAL FORMS

## A.-Vaccine

## STATEMENT No. 1.—SHOWING PARTICULARS OF VACCINATION

	38 1,000 op	-ndod	of vacci-	TOTAL NUMBE	ER OF PERSON
Number.	DISTRICTS OR TOWNS	nated	Average number of values employed through out the year.	Males.	Females,
1	2	3	4	5	6
26	A.—DISTRICTS (EXCLUING TOWNS).	D-	1,888,L 180,E	191 082,1	11,011 0 11,011
1	Ambala Division	-0 10-B	8,745	24 610,4	
1	Hissar	900,624	17	99,357	77,661
2 3	Rohtak Gurgaon	850,389 764,401	13	54,949 70,526	39,179 40,849
4 5	Karnal	848,662	19	74,795	49,971
6	Ambala Simla	693,559 15,610	No local	82,880 staff is employed	51,871 Vaccination
0		15,610	No local	stan is employed	
169	Jullundur Division.	8.68	4,420	1,846	2,574
7	Kangra	857,406	16	130,493	106,030
8 9	Hoshiarpur Jullundur	1,099,947 946,922	13	128,043 64,623	92,624 42,417
10	Ludhiana	649,977	12	70,008	56,051
11	Ferozepore	1,168,445	22	150,792	115,041
100	Lahore Division.	88.8	3,011	200 13	
12	Lahore	981,255	19	89,558	57,843
13	Amritsar	980,515	14	76,732	62,421
14 15	Gurdaspur Sialkot	1,049,715	16	70,163 73,700	64,505 55,814
16	Gujranwala	1,013,826 715,726	15	44,269	30,022
17	Sheikhupura	781,540	14	105,575	74,587
20	Rawalpindi Division.	1.8	2,529	Block	
18	Gujrat	1,006,223	15	68,290	43,427
19 20	Shahpur	843,742 569,110	17 10	66,385 55,386	41,367 33,649
21	Rawalpindi	586,709	11	51,740	31,371
22 23	Attock	607,812	12	92,298	44,380 33,208
20	Multan Division.	436,760	10	45,009	33,208
24	Montgomour	1 104 054	27	136,267	104,267
25	Lyallpur	1,134,654 1,294,897	21	105,952	76,829
26	Jhang	692,547	11	51,816	34,822
27 28	Multan Muzaffargarh	1,166,162	20 12	67,113 77,752	48,113 66,856
29	Dera Ghazi Khan	497,462	12	55,215	45,486
	Total	V-0 J-30-75	-		000,00

(VACCINATION).

Department.
IN THE PUNJAB PROVINCE DURING THE YEAR 1939-40.

VACCINATED.	sons acci-		PRIMARY VA	CCINATIONS.	
4 10	of per ach v	1989	0.000	Successful.	
Total.	verage number of persons vaccinated by each vacci- nator.	Bukao	ae year.	ar and	of all
01 17 01	Average vaccina nator.	Total.	Under one	One year undersix	Total ages.
7	8	9	10	DECO-BRWOT	12
0,01 0,840,10 0,01 0,840,13 18,8 18,8 18,1 2,1,21	478.441 184.86 641.38 875.00	8150-10 7834 12 007,260 016,600	0.000 at 0.00	0 122,2186 8 62,6363 9 75,6605 9 63,136	
177,018 94,128 111,375 124,766 134,751 performed by S	10,413 7,241 6,961 6,567 9,625 pecial Staff,—vic	32,177 31,674 30,629 34,193 24,109 de Appendix I t	25,565 26,828 20,707 25,995 21,932 o Statement No	4,238 3,252 6,403 4,152 1,173	31,167 30,091 27,157 30,249 23,116
236,523 220,667 107,040 126,059 265,833	14,783 16,974 8,234 10,505 12,083	26,101 38,909 30,778 23,654 41,221	19,090 21,737 26,952 19,965 31,924	4,963 8,161 1,971 2,432 5,167	24,097 30,501 28,950 22,557 37,308
147,401 139,153 134,668 129,514 74,291 180,162	7,758 9,939 8,417 7,618 4,953 12,869	44,910 39,639 41,887 36,903 28,218 31,227	38,511 23,652 37,639 29,034 18,102 23,052	3,540 4,252 2,365 5,740 4,485 4,212	42,472 27,977 40,077 34,797 22,616 27,477
111,717 107,752 89,035 83,111 136,678 78,217	7,448 6,338 8,903 7,556 11,390 7,822	40,176 31,768 19,994 19,124 20,608 19,131	32,808 22,715 14,008 14,815 16,228 17,689	4,289 4,783 3,036 3,819 2,729 1,069	37,209 27,897 17,432 18,893 19,009 18,827
$240,534 \\ 182,781 \\ 86,638 \\ 115,226 \\ 144,608 \\ 100,701$	8,909 8,703 7,876 5,761 12,051 8,391	57,556 53,022 25,272 46,668 27,234 24,122	37,727 38,726 18,852 32,834 21,812 14,863	8,032 7,269 3,227 7,837 3,338 4,409	48,005 48,985 22,187 41,544 26,164 21,778
3,880,3 7	9,066	920,904	69 ,762	120,343	828,539

	704-080		PRIMARY VACCINA- TIONS — concld.	R <sub>E</sub> -	VACCINATION	vs.
Number.	DISTRICTS OR TOWNS.	Midvear estimated lation (1939).	Unknown.	Total.	Successful.	Unknown.
1	2	3	13	14	15	16
21	A.—DISTRICTS (EXCLUING TOWNS)—CONCLUING Ambala Division.	D-	200	8		
1 2 3 4 5 6	Hissar Rohtak Gurgaon Karnal Ambala	900,624 850,389 764,401 848,662 693,559 15,610	648 1,427 2,750 3,545 820 No lo	144,871 62,461 80,746 90,573 110,642 ocal staff is e	91,048 21,943 4-,258 52,172 52,134 mployed. V	14,643 10,002 16,819 23,214 19,214 Vaccination
	Jullundur Dvision.	10 .00 about 2	\$78.18 •SB.08 807.187	100,0	1,076	
7 8 9 10 11	Hoshiarpur Julundur Ludhiana	857,406 1,099,947 946,922 649,977 1,168,445	1,987 7,577 1,587 984 3,465	210,422 181,758 76,301 102,405 224,612	84,268 74,738 45,235 35,111 122,977	62,912 66,888 10,012 27,886 61,567
12 13 14 15 16 17	Amritsar Gurdaspur Sialkot Gujranwala	981,255 980,515 1,049,715 1,013,826 715,726 781,540	2,046 11,477 1,657 1,902 5,247 3,484	102,491 99,514 92,781 92,611 46,073 148,935	32,302 28,517 42,302 53,076 12,626 43,612	29,446 49,686 23,723 15,751 18,119 46,650
	Rawalpindi Division.	980.7E	51,887	7158 810000	1068 1514	
18 19 20 21 22 23	Shahpur Jhelum Rawalpindi	1,006,223 843,742 569,110 586,709 607,812 436,760	2,809 3,485 2,164 205 876 284	71,541 75,984 69,041 63,987 116,070 59,086	44,135 29,653 33,379 36,952 84,013 48,651	12,071 21,168 16,818 6,751 16,098 5,379
809.8.0 000.9.0	Multan Division.	a Large Fre	80,008	07,606	1110	8497
24 25 26 27 28 29	Lyallpur Jhang Multan Muzaffargarh	1,134,654 1,294,897 692,547 1,166,162 632,387 497,462	8,405 3,300 2,859 4,969 1,053 2,257	182,978 129,759 61,366 68,558 117,374 76,617	77,117 74,696 33,192 32,214 59,683 33,970	52,611 22,875 15,055 17,690 21,407 18,130
810/13	Total	23,786,984	83,269	2,959,557	1,427,974	72 ,585

PERCENTAGE OF SUCCESS- FUL CASES IN WHICH THE RESULTS WERE KNOWN.		NTAGE OF SUCCESS- CASES IN WHICH RESULTS WERE KNOWN.				2000	ssful vacci- re-vaccina-	of each	
	Primary.	Re-vaccination.	Persons successfully vaccinated per 1,000 of population.	Total cost of V Department,		al le u	Number of successful vaccinations and re-vaccinations.	Average cost successful case.	
	17	1	19	20			21	22	3
				Rs	۸.	P.	H.—TOWAS.	Rs.	A. P.
perfo	98.85 99.48 97.41 98.70 99.26 ormed by	69·91 41·83 75·49 77·45 89·10 Special Staff,—	135.70 61.19 98.66 97.12 108.50 vide Append	11,510 8,877 11,094 13,124 9,683 x I to Statem	13 15 9	0 6 0 9 6 No.	122,215 52,034 75,415 82,421 75,250	0 0 0 0 0	1 6 2 9 2 4 2 6 2 1
	99·93 97·35 99·17 99·50 98·81	57·13 65·07 68·24 47·12 75·42	126·39 95·68 78·34 88·72 137·18	10,867 12,639 8,517 10,406 19,527	7 6	0 0 11 5 9	108,365 105,239 74,185 57,668 160,285	0 0 0 0	1 7 1 11 1 6 2 11 1 11
	99·08 99·34 99·62 99·42 98·45 99·04	44.22 57.23 61.25 69.05 45.17 42.64	76:20 57:62 78:48 86:67 49:24 90:96	13,689 11,139 14,181 11,633 11,185 9,493	10 15 0 6	10 0 0 3 9 0	74,774 56,494 82,379 87,873 35,242 71,089	0 0 0 0 0	2 11 3 2 2 9 2 1 5 1 2 2
	99.58 98.63 97.76 99.86 96.34 99.89	74·21 54·09 63·92 64·56 84·04 90·58	80.84 68.21 89.28 95.18 169.50 154.50	12,032 10,034 6,175 10,084 9,489 3,903		0 0 6 0 0 6	81,344 57,550 50,811 55,845 103,022 67,478	0 0 0 0 0	2 4 2 9 1 11 2 10 1 6 0 11
1,03	97.67 98.52 98.99 99.63 99.93 99.60	59·15 69·88 71·67 63 33 62·19 58·08	110 · 27 95 · 51 79 · 96 63 · 25 135 · 75 112 · 06	20,658 13,906 8,592 11,224 8,213 7,672	0 14 12	6 6 8 4 0 2	125,122 123,681 55,379 73,758 85,847 55,748	0 0 0 0 0	2 8 1 9 2 6 2 5 1 7 2 2
8	98.91	63.85	94.86	3,09,558	1	10	2,256,513	0	2 2

	doe doe	-ndod	ccina	E OF FUCCHES-	BER OF PERSO	
	a day	200	r of va	THE RESULTS WERE KNOWN.		
Number.	DISTRICTS OR TOWNS.	Midyear estimated lation (1939).	Average number of vaccinators employed throughout the year.	Males.	Females.	
1	2	08 8	4	5	5 016	
. A.	B.—TOWNS.	asi				
	Hissar District.					
I.	0 0 . 122,218 and 12 4	018890.024	3005:70	119996	1.88589	
1 2	Hissar Ha si	27,315 20.386	1 1	859 828	41 52	
3	Bhi vani	39,726 20.533	1	1,214 1,348	90	
5	Budhiada I ov A	8,746	Mary Value	349	Provided by	
1	Robtak District.	108,017.100	201692		1 80 00 5	
8	Rohtak	38,581	2	2.250	1,33	
7 8	Jhajjar	14,376	7 88	946 215	58	
9	Beri Gohana	9,319 5,689	1	354	15	
10 11	Bahadurgarh	8 121 17,573	1 1	614 5,191	3.78	
12	Mehm	10,396	1	397	19	
13	Rohtak Civil Lines	1,124	33-8**	410	20100	
0.00	Guyanan District	288,F13,889	18 88 61		58 80 58 80	
Part I	Gurgaon District.	801,031,660	88 0884		10.00	
14 15	Rewari	30,553 12 381	1	1,802	1.08	
16	Palwal Firozpur-Jhirka	5,657	NA 100 1	972 564	88	
17	Hodal	8.149 4.635	82.08	791 210	41	
19	Fardabad	5,855	1	285	08 90 20	
20 21	Hidayatpur Chhaoni Sohna	7,926 5,765	08-1011	423 200	20	
	Karnal District-	836.085/64	7240115		1000	
	11 0 . 123,084	809,81	19-98-01		690	
22 23	Karnal	28,645 22,228	1 08 20	4,773 1,360	3,23	
24	Panipat 0	37 500	67.6891	2.500	1,63	
25 26	Shahabad	14,131 5 340	80-86E1	1,579 450	84 22	
27 28	Pundri Karnal Civil Lines	6,892		1,191 815	60	
40	Karnal Civil Lines	1,151		815	40.85	

VACO	INATED.	rsons acci-	PRIMARY VACCINA-	PRIMARY VA	occinations.	12-18-
	WHEN THE	r of persons	,blomos	8 9	Successful.	1
DEBORB.	Average number of persons vaccinated by each vacci-		Total.	Under one year.	One year and under six years.	Total of all ages.
01	7	8	9	10	11 <sub>g</sub>	12
				Back	BTOWNS.	
72 20 57 20 5	1,273 1,356 2,121 2,067 515	1,273 1,356 2,121 2,067	755 765 1,329 745 134	670 655 1,055 584 71	37 69 192 96 37	728 724 1,267 687 108
407 188 29 29 44 1,826	3,583 1,529 370 615 815 8,921 591 411	1.791  615 815 8.921 591	1 420 464 289 277 293 764 331	1,332 400 236 215 282 705 291	60 17 48 25 8 56 26	1,394 417 284 246 290 762 318
200 100 50 410 410 410 410 120 120	2,891 1,652 840 1,243 404 485 631 334	2.891 1.652 840  889 	1,001 513 271 259 146 211 285 183	880 432 168 225 136 181 203 171	33 43 21 3 6 17 20 5	915 475 189 228 143 198 225 177
1,487 248 29 29 250 018 24T	8.006 2,087 4.130 2,424 678 1.800 908	8,006 2 087 4,130 2,424	1,072 578 1,264 574 164 121 15	837 376 1,143 515 94 90 8	20 20 21	991 571 1,252 547 114 111 15

	COURATIONS.	VA 51	-ndod	PRIMARY VACCINA- TION— concld.	Re	-vaccination	ONS.
Number.	DISTRICTS OR TOWNS.		Midyear estimated lation (1939.)		Total.	Successful.	Unknown.
1	2		3	13	14	15	16
	B.—TOWNS. Hissar District.						
1 2 3 4 5	Hissar Haosi Bhiwani Sirsa Budhlada	8:::::	27,315 20,386 39,726 20,533 8,746	15 38 20 3 26	518 591 792 1,347 381	366 82 605 304 312	72 85 20 57 69
6 7 8 9 10 11 12 13	Rohtak District.  Rohtak Jhajjar Beri Gohana Bahadurgarh Sonepat Mehm Rohtak Civil Lines		14,376 9,319 5,689 8,121 17,573 10,396 1,124	16 47 3 12 3 1 11	2,164 1,065 81 338 522 8,158 260 411	1,007 546 12 105 315 3,542 116 202	497 182 29 9 44 1,826 4 90
14 15 16 17 18 19 20 21	Rewari Palwal Firozpur-Jhirka Hodal Ballabgarh Faridabad Hidayatpur Chhaoni Sohna  Karnal District.		30,553 12,381 5.657 8,149 4,635 6,855 7,926 5,765	57 30 10 30 3 13 57 6	1,890 1,139 634 984 258 274 346 151	723 920 447 457 215 226 164 151	205 100 50 410 11 20 120
2 23 4 5 26 27 28	Karnal Sistrict.  Karnal Kaithal Panipat Shahabad Thanesar Pundri Karnal Civil Lines		28,645 22,228 37,500 14 131 5,340 6,892 1,151	1 5 5 23 50 10	6,934 1,5 09 2,866 1,850 514 1,679 893	4,086 786 2,506 957 162 700 424	1,487 248 29 89 256 618 247

- N	THE RES	E OF SUCCESS- IS IN WHICH ULTS WERE OWN.	ully vacci.	Vaccination	VACORI	ssful vacci. re-vaccina.	of each suc-
	Primary.	Re-vaccination.	Persons successfully nated per 1,000 of lation.	To al cost of Department.	HM	Number of successful vacrinations and re-vaccinations.	Average cost of cessful case.
	17	18	19	8 3 0		21	22
-				10		TOWNS CON	
-		20 A		Rs.	A. P.	labels District	Rs. A. P.
の下のおとのの	98.38 99.59 96.79 92.59 100.00	82.06 16.20 78.37 23.56 100.00	40.05 39.54 47.12 48.26 48.02	799 365 310 691	11 0 4 0 4 6 6 3	1,094 806 1,872 991 420	0 11 8 0 7 3 0 2 8 0 11 2
10 27 10	1 238	84,8 980,8 86	1 100 00	26.0		a Sadar Haxar a Cantonment ii Cantonment	
2000	99·29 100·00 99·30 92·83 100·00 199·87 99·37	60°41 61°83 23°08 31°91 65°90 55°94 45°31 62°93	62·23 66·99 31·76 61·70 74·50 244·92 41·75 179·71	1,081 112 38 69 181 584 68	8 0 12 6 12 6 7 3 0 0 13 0 4 0	2,401 963 296 351 605 4,304 434 202	0 7 2 0 1 10 0 2 1 0 3 2 0 4 9 0 2 2 0 2 6
1	10	101	: 8	e.i	dree	and Cantoma	
	96.93 98.34 72.41 99.56 100.00 100.00 98.68 100.00	42.91 88.55 76.54 79.62 87.04 88.98 72.57 100.00	53·61 112·67 112·43 84·06 77·24 72·42 49·08 56·89	828 106 172 134 139 83 93 204	7 0 11 3 0 0 0 0 1 6 8 3 0 3 2 0	1,638 1,395 636 685 358 424 389 328	0 8 1 0 1 3 0 4 4 0 3 1 0 6 2 0 3 2 0 3 10 0 9 11
-	3.041 0.01	9,767	2 AD 3	186		District District	
83 64 69	92.53 99.65 99.44 99.27 100.00 100.00 00.00	75·01 60·74 88·33 54·34 62·79 65·97 65·63	177·24 60·15 100·21 106·43 51·68 117·67 381·41	573 383 414 334  41	8 9 4 6 12 0 0 0	5,077 1,337 3,758 1,504 276 811 439	0 1 10 0 4 7 0 1 9 0 3 7

Number	DISTRICTS OR TOWNS.	neithering Tagentings	Midyear estimated population (1939.)	Average number of vaccina- tors employed throughcut the year.	TOTAL NUMBE	Females.
1	2	11/9	3	4	5	6
			8	137	16 3 1	14
	BTOWNS-CONTD.					
A.P.	Ambala District.	Rel				
29	Ambala		40,283	1	4,739	2,783
8 30	Jagadhri	1995	14,055 3,785	1.08.	1,317	870 165
32	Sadhanra	018	8,626	1.75	663	232
2 33	Rupar 100 8	188	10,053	1	1,327	440
34 35	Kalka Ambala Civil Lines	110	8,608 2.036	0.99.0	473 182	250 27
36	Sanawa Civil Lines		1,144			21
37	Ambala Sadar Bazar		29,686	1	2,480	1,722
38 39	Ambala Cantonment	11:3	25.039 2,993		3,680 469	1,713
39	Kasauli Cantonment	130	2,880	2 - 071	403	128
	Simla District.	III.		0.00		00 001
2 1		88	90 755	180	E 710	06.00
40	Simla Dagshai Cantonment	20	20,755 1,559	1 1 1 1 1	5,746	1,628
42	Sabathu Cantonment	584	1,426	2-850	41	21
43	Jutogh Cantonment	88	522	2-16	19	18 90 500
	F			L-0.12	80-80	
	Kangra District.					
44 45	Dharmsala		4,212 3,077	::	227 101	132 55
181	Hoshiarpur District.	aga		10-88	10.23	
46	Hoshiarpur	106	29,830	1. STE	6,296	5,180
47	Hariana	181	6,674	anda.	690	354
48	Dasuva	138	8,951	2.77.	10 78 238	00-001 108
49	Tanda Urmar Miani	88	11,092 5,878	10.029.5	198	153 235
51	Garhshankar	200	6,122	18.03.27	2,805	836
52	Hoshiarpur Civil Lines	1	845		840	251
	Jullundur District.					
53	Jullundur		90,088	4	9,767	10,067
54	Rartarpur 10.3	578	11 616 7,227	G-771 1	893 409	689
56	Rahon Baya 0	888	0.001	2-001 1	411	351
57	Phillaur 108.1 0	- 188	6,417	18-90-6	394	753
58 59	Nur Mahal		8,708	10-10-	673	00:001 335
60	Nakodar Nawanshahr	11	11,277 8,476	1 881	1,757	1,557
61	Jullundur Cantonment	120	15,481	î	604	596
01	o ununuu canoonmeno		20,101		-	

VACCINATED.	acci-	HIMARY ACCINA-	PRIMARY VA	CCINATIONS.	-1
	of per	Ablanta	Name of Page 1	Successful.	
Total.	Average number of persons vaccinated by each vaccinator.	Total.	Under one year.	One year and under six years.	Total of all ages.
7	8	13 6 14	10	11 2	12
			Sim n. n.	TOWNS.	
7,522 2,187 471 895 1,767 723 209	7,522  1,767	1,818 978 133 271 250 163 7	1,405 935 90 155 233 104	409 13 19 53 9 26	1,818 948 109 208 242 133 6
4,202 5,393 597	4,202	999 350 49	876 251 28	115 76 14	998 330 45
7,374 394 62 19	7,374	517 42 48 8	305 35 20 6	168 5 21 2	474 40 48 8
359 156	08 44***	126 92	84 63	42	126 92
11,476 1,044 346 351 637 3,641 1,091	11,476	1,146 251 218 330 240 389 28	770 125 98 232 74 136	365 101 102 19 39 208 17	1,141 237 200 251 113 347 24
19,834 1,582 753 762 1,147 1,008 3,314 899 1,200	4,958 1,582 753 762  3,314 899 1,200	3,638 499 251 292 328 280 776 252 347	2,762 433 210 254 290 211 718 233 159	565 28 18 36 32 47 26 19 174	3,352 466 242 292 322 258 749 252 340

	BESTERNAR BONSTE	o TIC		F	RE-VACCINATIONS.		
Number.	Districts or Towns.	Midyear estimated tion (1939).	Unkaown.	Total.	Successful.	Unknown.	
1	2 11	3	13	14	15	16	
	B—TOWNS.						
	Ambala District.				4.720	2.70	
29 30 31 32 33 34 35 36 37 38	Ambala Jagadhri Buria Sadi aura Rupar Kalka Ambala Civil Lines Samawar Civil Lines Ambala Sadar Bazar Ambala Cantonment	40,283 14 055 3,785 8 626 10,053 8,608 2,036 1,144 29,686 25,039	20 24 61 8 23 1	5,704 1,209 338 624 1,517 560 202 3,203 5 043	1,843 508 164 441 436 278 48  2.248 2,545	2,095 115 109 25 585 80 23  288 1,973	
39	Kasauli Cantonment  Simla District.	2,993	101	548	343	587	
40 41 42 43	Simla Dagshai Cantonment Sabathu Cantonment Jutogh Cantonment  Kangra District	20,755 1,559 1,426 522	42	6,857 352 14 11	1,885 280 6 9	2,574	
44 45	Dharamsala Dharamsala Cantonment Hoshiarpur District.	4,212 3,077	120	233 64	80 46	988 53 981 -	
46 47 48 49 50 51 52	Hoshiarpur Hariana Dasuya Tanda Urmar Miani Garhshankar Hoshiarpur Civil Lines	29,830 6,674 8,951 11,092 5,878 6,122 845	14 18 63 127 42 4	10,330 793 128 21 397 3,252 1,063	6,535 522 46 6 98 1,164 521	732 43 39 9 250 1,981 238	
53 54 55 56 57 58 59 60 61	Jullundur District.  Jullundur Kartarpur Banga Rahon Phillaur Nurmahal Nakodar Nawaushahr Jullundur Cantonment	90,088 11,616 7,227 8,024 6,417 8,708 11,277 8,476 15,481	141 32 8 - 5 22 14	16,196 1,083 502 470 819 728 2,538 647 853	13,193 771 179 227 398 395 2 027 526 686	923 47 45 12 22 71 377 24 70	

PUL CASES IN THE RESULTS KNOWN	WHICH S WERE	of popula-	Vaccination	ssful vacci- re-vaccina-	of each suc-
Primary.	Re-vaccination.	Persons successfully vaccinated per 1 000 of population.	Total cost of V Department.	Number of successful vaccinations.	Average cost of cessful case.
17	18	19	20	21	22
			Rs. A. P.	wws-соктр.	Rs. A. P.
100·00 98·96 100·00 99·05 100·00 95·00 100·00	51·07 43·14 71·61 73·62 46·78 57·92 26·81	90.88 103.59 72.13 75.24 67.44 47.75 26.52	481 0 0 137 4 0  81 0 0 270 12 8 11 12 6 3 0 0	3,661 1,456 273 649 678 411 54	0 2 1 0 1 6  0 2 0 0 6 5 0 0 5 0 0 11
99·90 98·21 91·84	77·12 82·90 62 60	109·34 114·82 129·63	939 13 4 100 0 0 180 0 0	3,246 2,875 388	0 4 7 0 0 7 0 7 5
99·79 95·24 100·00 100·00	44·01 82·84 42·86 81·82	113.66 205.26 37.87 32.57	1,636 6 0 42 2 0	2,359 320 54 17	0 11 1 0 2 1
100.00	44·44 71·87	48·91 44·85	118 0 0	206	0 9 2
99·56 100·00 100·00 94·01 100·00 100·00	68·09 69 60 51·68 50·00 66 67 91 58 63·15	257·32 113·72 27·48 23·17 35·90 246·81	573 0 0 50 0 0 0 7 0 0 0 18 0 0 20 0 0	7,676 759 246 257 211 1,511 545	0 1 2 0 1 1 0 0 8 0 1 6 0 1 6
95·85 99·78 99·59 100·00 99·69 100·00 98·29 100·00 100·00	86·38 74·42 39·17 49·56 49·94 60·12 93·80 84·43 87·61	183.65 106.49 58.25 64.68 112.20 74.99 246.16 91.79 66.27	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	16,545 1,237 421 519 720 653 2,776 778 1,026	0 3 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

	each suc-		estimated popula-	of vaccina-	TOTAL		OF PERSONS
Number.	DISTRICTS OR TOWNS	s.	Midyear estimate tion (1939).	Average number of vaccina- tors employed throughout the year.	Ms	ales.	Females.
1	2 12		3	4		5 BH	6 71
	BTOWNS-CONTD		RS. A. P.				
	Ludhiana District.		0 0 101	R8-00		20.48	
10.5	2000 1000 1000 1000 1000 1000 1000 1000		187 4	98-80		51.07	100-00
62 63	Ludhiana Jagraon	::	79,664	1		17.823	11,482 2,306
64	Raikot		13,759			655	403
65	Khanna		7,407	47-74		1,314	1,115
	Michiga Civil Elice		Park	X0:0X		18:02	
	Ferozepore District.		s_0150s0	100.24		27.79-12	00-90
	Gentle Carl State of		0.5000001	88-AU		00-88-00	
66	Ferozepore	**	40,185	2		4,663	4,091
67 68	Zira Dharmkot		5,997 7,684	1 1		822 1,892	552 1,129
69	Muktsar		17.945	88-81		1,376	893
70	Fazilka		21,371	08-71		2,809	1,163 2,363
71 72	Moga Abohar		20,777 16,739	1		3,186 1,825	962
73	Jalalabad		8,619	1		602	291
74	Ferozepore Cantonment		32,106	1		2,037	1,366
450	Lahore District.		118 0 0	48-91		44.44	
75	Lahore		438,985	18		30,970	17,588
76	Chunian	::	9,047	1		342	152
77 78	Kasur		53,258	3		5,024	4,499 364
79	Khem Karan Patti	::	8,385	1 1		566	561
80	Baghbanpura		15,959	00 1		868	604 829
81 82	Ichhra Pattoki		6,309 9,312	18-1		1,333	268
83	Sur Singh	::	7,304	1		327	210
84	Lahore Cantonment		31,356	1		1,397	741
55.0	Amritsar District.		81 481.8	88-05		25.68	
31 6	1 0 918		0 1 88	64.68		109-50	
85	Amritsar		288,227	14	10	22,314	15,885 893
86	Majitha	::	7,956 10,920	1		822	380
88	Tarn Taran		12,513	87-10		732	719 271
90	Sultanwind Amritsar Cantonment	::	6,511	78-18		370 58	28
00	ATTILL COMPONITIONS		2,100			00	1 3

VACCINATED.	persons h vacei-	TIONS - EE	PRIMARY VA	ACCINATIONS.	
	aber of by eac		S. Alle	Successful.	inverti .
Total.	Average number of persons vacciuated by each vacci-	Total.	Under one year.	One year and under six years.	Total of all ages.
7	8	9	10	11	12
29,305 5,243 1,058 2,429	29,305 5,243 	3,168 987 463 449	2,185 942 434 201	709 40 24 157	2,981 987 458 425
8,754 1,374 3,021 2,269 3,972 5,549 2,787 893 3,403	4,377 1,374 3,021 2,269 3,972 5,549 2,787 893 3,403	2,268 347 -277 644 1,291 1,116 808 285 890	1,940 240 195 512 1,010 919 666 216 574	286 19 48 54 175 120 112 42 296	2,258 262 247 568 1,203 1,053 804 269 890
48,558 494 9,523 930 1,115 1,472 2,162 533 537 2,138	2,698 494 3,174 930 1,115 1,472 2,162 533 537 2,138	18,655 185 1,886 284 707 694 692 237 254 1,241	15,053 143 1,575 245 593 463 387 197 208 609	2,044 42 248 22 98 203 244 28 29 391	17,237 185 1,869 276 704 667 638 225 242 1,005
38,199 1,715 806 1,451 641 86	2,728 1,715 806 1,451 641	11,432 394 378 335 346 30	10,020 311 328 237 272 21	1,306 62 29 28 59 5	11,379 374 357 265 331 126

	VACCINATIONS		estimated popula-	PRIMARY VACCINA- TIONS — concld.	RE-VACCINATIONS.			
Number.	DISTRICTS OR TOWNS.		Midyear estimation (1939).	Unknown	Total.	Successful.	Unknown	
1	2	-	3	13	14	15	16	
	B.—TOWNS.  Ludhiana District.	1	-01					
62 63 64 65	Ludhiana Jagraon Raikot Khanna	301	79,664 31,046 13,759 7,407	172 4 22	26,137 4,256 595 1,980	4,297 853 312 678	4,29- 1,38: 7- 391	
66 67 68 69 70 71 72 73 74	Ferozepore District.  Ferozepore Zira Dharmkot Muktsar Fazilka Moga Abohar Jalalabad Ferozepore Cantonment	1111111111	40,185 5,997 7,684 17,945 21,371 20,777 16,739 8,619 32,106	2 84 26 76 82 30 2 16	6,486 1,027 2,744 1,625 2,681 4,433 1,979 608 2,513	4,117 338 2,296 763 841 2,940 815 340 1,259	52 66 33 29 1,60 26 1 5 23	
75 76 77 78 79 80 81 82 83 84	Lahore District.  Lahore Chunian Kasur Khem Karan Patti Baghbanpura Ichhra Pattoki Sur Singh Lahore Cantonment  Amritsar District.	9 5 1 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	438,985 9,047 53,258 8,385 15,763 15,959 6,309 9,312 7,304 31,356	1,293  16 5 3 16 33 12 10 154	29,903 309 7,637 646 408 778 1,470 296 283 897	8,408 256 5,421 198 134 218 486 98 95 250	9,16 1,10 21 10 26 9 2 7 33	
85 86 87 88 89 90	Amritsar Majitha Jandiala Tarn Taran Sultanwind Amritsar Cantonment		288,227 7,956 10,920 12,513 6,511 1,780	34 20 8 70 4	26,767 1,321 428 1,116 295 56	12,549 557 255 264 173 31	3,378 141 25 233 44 18	

RCENTAGE OF FUL CASES IN THE RESULTS KNOWN	WHICH S WERE	y vacci- of popu-	Vaccination	essful vacci- re-vaccina-	ach suc-
Primary	Re-vaccination.	Persons successfully nated per 1,000 of lation.	Total cost of Vac Department.	Number of successful vaccinations and re-vaccinations.	Average cost of each cessful case.
17 8	18	19	20	21	22
				WS-contro.	07B
1.00	2.19		Rs. A. P.	tairriet	Rs. A. P
99·50 100·00 99·78 99·53	19.67 29.68 59.88 42.67	91·36 59·27 55·96 148·91	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	7,278 1,840 770 1,103	0 3 3 0 6 3 0 1 1 0 1 6
770 15	628			danaki	Ilena Rebe
99.65 99.62 98.41 100.00 99.50 96.96 99.75 100.00 100.00	69·01 93·62 95·43 57·28 78·01 70·52 41·41 -61·70 .55·34	158.64 100.05 330.95 74.17 95.64 192.18 96.72 70.66 66.93	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	6,375 600 2,543 1,331 2,044 3,993 1,619 609 2,149	0 1 10 0 3 9 0 0 8 0 3 5 0 4 4 0 2 6 0 3 9 0 1 9 0 2 2
99·28 100·00 99·95 98·92 100·00 98·38 96·81 100·00 99·18 92·46	40·54 84·21 83·04 45·83 44·52 42·41 35·34 36·30 44·81 44·40	58·42 48·75 136·88 56·53 53·16 55·45 178·16 34·69 46·14 40·02	9,929 0 0 77 3 6 1,164 14 6 46 9 0 607 0 0 183 0 0 246 0 0 55 4 3 30 0 0 414 0 0	25,645 441 7,290 474 838 885 1,124 323 337 1,255	0 6 2 0 2 9 0 2 6 0 1 7 0 11 7 0 3 4 9 3 6 0 2 9 0 1 5 0 5 3
. 901	11 . 801			oura District.	Sheikher
99.83 100.00 96.49 100.00 96.78 86.66	53.65 47.52 62.81 29.86 68.92 75.61	83·02 117·02 56·04 42·28 77·41 32·02	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	23,928 931 612 529 504 57	0 4 9 0 1 9 0 0 9 0 1 6 0 2 6

-	1 8 68	1 4	l ta	- versoone	NO NOT AN INCOME.
	8 88	-ndod	ghou	TOTAL NUMI	BER OF PERSONS
Number.	DISTRICTS OR TOWNS.	Midyear estimated I	Average number of vaccina- tors employed throughout the year.	Males.	Females.
1	2 2	3	4	5 81	6.11
1-9	B.—TOWNS—contd, Gurdaspur District	t A.y. Blag.			4984
91 92 93 94 95 96 97 98 99 100 101	Gurdaspur Dina Nagar Pathankot Dalhousie Batala Dera Baba Nanak Fatehgarh Qadian Gurdaspur Civil Lines Dalhousie Cantonment Bakloh Cantonment	13,826 5,982 11,148 1,102 39,828 5,892 7,791 7,729 986 1,071 4,154	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2,403 910 495 238 14,752 628 173 1,664 207 103	1,783 668 524 105 12,547 677 200 896 109 58
102 103 104 105 106 107	Sialkot District.  Sialkot Daska Pasrur Narowal Chawinda Sialkot Cantonment  Gujranwala District.	102,129 10,176 9,863 8,979 7,716 17,562	3 1 1 1 1 1 1	13,172 614 471 1,190 397 6,015	9,498 473 426 753 294 4,537
108 109 110 111 112	Gujranwala	67,184 24,750 8,771 7,057 16,140	1 1 1 1 1 1	3,792 1,355 528 676 1,037	2,380 1,206 271 319 1,191
113 114 115 116 117	Sheikhupura District.  Sangla Sharakpur Nankana Sahib Shahdara Sheikhupura	7,667 6,027 11,037 6,271 14,518	20 20 20 20 20 20 20 20 20 20 20 20 20 2	419 586 1,480 919 1,485	441 302 933 542 1,302

ACCINATED.	sons acci-		PR	IMARY V	ACCINATIONS.	
NOT GREEN	of per	. ijin iion	of b		Successful.	9
Total.	Average number of persons vaccinated by each vaccinator.	Total.	hidyear calinas	Under one year.	One year and under six years.	Total of all ages.
01 7 01	8 11	8.9	8 .	10	11	12
				-	B.—TOWNS.	
4,186 1,578 1,019 343 27,299 1,305 373 2,560 316 161	4,186 1,019 27,299  2,560	01 585 03 304 521 93 2,124 209 235 477 58 33	18,81 6,81 11,11 11,11 10,81 10,1 10,1 10,1 11,1	508 223 462 61 1,993 166 225 323 49 7	67 50 34 31 129 18 10 125 9 8	578 274 490 93 2,122 186 235 477 58
22,670 1,087 897 1,943 691 10,552	7,557 1,087 897 1,943 691	4,253 568 342 444 286 560	102,139 101 2 10,0 2 10,0 3 17,7 17,565	3,910 446 260 405 253 349	326 120 64 36 18 125	4,253 566 32' 444 279 503
6,172 2,561 799 995 2,228	6,172 2,561 799 995 2,228	2,832 960 238 208 581	87,18 24,75 8,77 8,77 7,05	1,930 779 179 179 179 431	711 120 53 29 20	2,641 899 234 208 451
860 888 2,413 1,461 2,787	860  2,413 1,461 2,787	158 350 517 438 615	7,00,7 10,8 11,03 12,8 14,51	138 260 383 323 462	19 80 86	158 340 469 421 581

		popula-	PRIMARY VACCINA- TIONS— concld.	. RE-VACCINATIONS.			
Number.	DISTRICTS OR TOWNS	Cuder one year.	Midyear estimated population (1939).	Unknown.	Total.	Successful.	Unknown.
1	2	1	3	13	14 8	15	16
	B.—TOWNS.				-		
	Gurdaspur District.						
91 92 93 94 95 96 97 98 99 100 101	Gurdaspur — Dina Nagar — Pathankot Dalhousie Batala Dera Baba Nanak Fatehgarh Qadian Gurdaspur Civil Lines Dalhousie Cantonment Bakloh Cantonment	808 222 200 10 10 808 828 828 828 828	13,826 5,982 11,148 1,102 39,828 5,892 7,791 7,729 986 1,071 4,154	10 30 25  1 23  	3,601 1,274 498 250 25,175 1,096 138 2,083 258 128	1,349 495 80 89 11,183 551 65 685 131 31	710 270 138 88 2,329 393 41 202 58
Day.	Sialkot District.						
102 103 104 105 106 107	Sialkot Daska Pasrur Narowal Chawinda Sialkot Cantonment	010.0	102,129 10,176 9,863 8,979 7,716 17,562	2 9  4 31	18,417 519 555 1,499 405 9,992	12,005 222 327 586 157 8,742	1,674 3,56 166 109 123 358
Cha.	Gujranwala District				1 100		
108 109 110 111 112	Gujranwala Wazirabad Eminabad Akalgarh Hafizabad	036, 077 071 071 171	67,184 24,750 8,771 7,057 16,140	150 59 1  130	3,340 1,601 561 787 1,647	1,136 605 327 171 283	336 536 206 471
Att	Sheikhupura Distric	t.	7,057		1,00		
113 114 115 116 117	Sangla Sharakpur Nankana Sahib Shahdara Sheikhupura	881 010 010 010 010 010 010	7,667 6,027 11,037 6,271 14,518	9 46 12 8	702 538 1,896 1,023 2,172	309 216 136 267 815	19 26 491 266 80

FUL CASES IN	PERCENTAGE OF SUCCESS- FUL CASES IN WHICH THE RESULTS WERE KNOWN.		Vaccination	sful vacci- ccinations.	of each suc-
Primary.	Re-vaccination.	Persons successfully vaccinated per 1,000 of population.	Total cost of Va	Number of successful vaccinations	Average cost of cessful case.
17	18	19	20	21	22
1,384,1 2,019 676 1,386 582 532 282 1,382	117,10,049 808 782 183 18	1 1.0	Rs. A. P.	twis -cover rat District	Rs. A. P.
100·00 100·00 100·00 100·00 99·95 100·00 100·00 100·00	46.66 49.30 22.22 54.94 48.95 78.38 67.01 36.42 65.50 77.50	139·16 128·55 51·67 165·15 334·06 125·08 38·50 150·34 191·88 42·95	217 1 0 95 0 0 267 11 6 50 9 0 785 7 0 25 3 0 33 0 0 123 0 0 7 0 0	1,924 769 576 182 13,305 737 300 1,162 189 46	0 1 9 0 2 0 0 7 5 0 4 5 0 0 11 0 0 6 0 1 9 0 1 8 0 0 7
100·00 100·00 98·20 100·00 98·94 95·08	71·70 47·33 84·06 42·16 55·67 90·71	159·19 77·44 66·31 114·71 56·51 526·42	2,082 0 0 19 12 0 81 0 6 116 4 6 78 0 0 264 0 0	16,258 788 654 1,030 436 9,245	$\begin{array}{cccccccccccccccccccccccccccccccccccc$
98·47 99·78 98·73 100·00 100·00	37.80 56.81 58.60 29.13 24.06	56.22 60.77 63.96 53.71 45.48	1,131 0 0 527 0 0 61 0 0 80 10 9 253 0 0	3,777 1,504 561 379 734	0 4 9 0 5 7 0 1 9 0 3 5 0 5 6
100·00 99·71 99·57 98·83 95·72	45·24 42·19 9·68 35·27 39·05	60.91 92.25 54.81 109.71 96.16	35 0 0 88 12 9 228 10 0 75 8 0 362 0 0		$\begin{array}{cccccccccccccccccccccccccccccccccccc$

	in the state of th	pula	cina	TOTAL NUMBER	R OF PERSONS
	a dono	ited pol	of vac	A SHOWN.	AN CASAD HOS
Number.	DISTRICTS OR TOWNS.	Mid year e stimated popula- lation (1839).	Average number of vaccinators employed throughout the year.	Males.	Females.
1	2 2	00 3	4	5	6
	B.—TOWNS—CONTD.				
$\begin{array}{c} 118 \\ 119 \\ 120 \\ 121 \\ 122 \end{array}$	Gujrat District Gujrat	29,779 14,310 8,754 8,496 933		1,714 533 287 521 31	1,334 675 522 282 42
0	Shahpur District-	1 712 1000	01-081	00104	
123 124 125 126 127 128 129	Shahpur Sahiwal Bhera Miani Khushab Sargodha Shahpur Civil Station	5,978 8,981 22,733 7,264 16,495 31,313 3,680	1 1	1,578 1,004 3,241 397 3,980 1,057 1,244	$\begin{array}{c} 1,319 \\ 619 \\ 1,971 \\ 264 \\ 2,492 \\ 825 \\ 557 \end{array}$
130	Phullarwan	3,384	80-81	634	204
131 132 133 134	Jhelum Pind Dadan Khan Chakwal Jhelum Cantonment	20,805 11,267 10,679 6,416	1 1 1 1	2,386 868 1,307 1,617	1,154 534 377 249
0	Rawalpindi District.	25 Q	99.12	47283 88800F	
135 136 137 138	Rawalpindi	87,684 1,965 717 46,348	2 1 1 1	14,193 2,251 177 9,877	8,248 167 29 5,070
	Attock District.		4		
139 140 141 142 143 144	Pindigheb	12,359 10,918 8,817 6,374 7,865 3,912	25' 68' 71' 108' 86' 88' 11' 88' 88' 11' 88' 88' 11' 88' 88	387 700 1,817 491 337 281	302 623 901 372 149 128
	Mianwali District.	0 665	05.05	00 00	
145 146 147 148	Mianwali Bhakkar Isakhel Kalabagh	18,698 7,844 8,831 9,748	1 1 10:01 85° 880	2,393 129 225 193	1,997 234 269 178
0 3	Montgomery District.	228 10	18-80	28727	
149 150 151	Montgomery Pakpattan Okara	29,099 12,829 12,990	. 1	2,337 2,223 1,759	2,451 1,326 1,008

VACCINATED.	rson		PRIMARY VA	CCINATIONS.		
	of pe	-axorr Monto	od bo	Successful.	3	
Total.	Average number of persons vaccinator.	Total.	Under one year.	One year and under six years.	Total of all ages.	
a1 7 a	8	9	10	112 21	12	
3,048 1,208 809 803 73	3,048	1,047 619 368 333 30	871 475 316 251 26	24WOT—8 105 72 26 32 2	977 548 342 308 28	
2,897 1,623 5,212 661 6,472 1,882 1,801 838	1,623 5,212  1,882	376 381 1,125 254 911 1,298 102 278	284 250 739 202 465 963 83 239	67 114 312 29 324 316 13 37	350 377 1,073 231 813 1,279 96 278	
3,540 1,402 1,684 1,866	3,540 1,402 1,684 1,866	-661 251 334 185	521 161 260 167	73 20 72 17	64 18 33 18	
22,441 2,418 206 14,947	11,220 2,418 206 14,947	3,331 260 43 2,000	2,860 215 22 1,374	467 45 20 476	3,33 26 4: 1,86	
689 1,323 2,718 863 486 409	- 401 50 - 404 8 - 404 8 - 4070 - 418 - 418	491 428 256 193 167 82	479 377 176 156 125 46	74 36 17 33	49 42- 25- 19- 14: 8	
4,390 363 494 371	4,390 363 494	1,049 151 274 316	668 94 197 270		873 15 26 31	
4,788 3,549 2,767	2,394	1,067 593 957	651 381 758	302 122 184	1,056 579 946	

	VACGIRATIONS.	YIII	pulae	PRIMARY VACCINA-	RE-VA	CCINATIONS	VACCINA
			estimated popular 9).	TIONS— concld.	evep		
	DISTRICTS OR TOWNS.	-	stima).	100	70 50		
			39) e	d	1000	di.	ď
er.			19 19	A C	3 8 8	Jes	MO
nb			n (	kn	a.	eo ce	E.
Number.	8 88		Midyear est tion (1939).	Unknown.	Tetal.	Successful	Unknown
1	2 1		3	13	14	15	16
	B.—TOWNS.						
226 04	Gujrat District-	S		10,1	840,61	8,048	
118	alpur av	15	0	100	2.001	000	001
119	Gujrat Jalalpur	::	29,779 14,310	68	2,001 589	803 427	664 106-
120	Kunjah		8,754	26	441	214	109
121	Dinga		8,496	15	470	350	48
122	Gujrat Civil Lines		933	2	43	32	5
	Shahpur District.	25		88	aca,ti e	1,023	019
123 124	Shahpur		5,978	22	2,521	884 697	781 45
125	Bhera		8,981 22,733	3 28	1,242	2,003	748
126	Miani		7,284	23	407	317	36
127	Khushab		16,495	96	5,561	2,061	1,902
128 129	Sargodha Shahpur Civil Station		31.313	16	584 1,699	228	138 263
130	Phullarwan	::	3,680 3,384	6	560	1,410 204	108
TAD 3	Jhelum District.	52		00	S 13,540	3,540	
131	Jhelum .	0.8	20,805	13	2,879	1,981	305
132	Pind Dadan Khan	2.1	11,267	68	1,151	486	343
133	Chakwal		10,679		1,350	724	229
134	Jhelum Cantonment		6,416	1	1,681	983	338
135	Rawalpindi District.	70		08,5	10.110	10 000	9 570
136	Rawalpindi Murree .	:	87,684 1,965	1	19,110 2,158	10,396	3,578 412
137	Murree Cantonment	100	717	2,004	163	85	24
138	Rawalpindi Cantonment		46,348	130	12,947	4,599	5,189
700	Attock District.		1000	100		7 200	1000
139 140	Pindigheb Hazro	.:	12,359		198 895	149 628	34
141	Campbellpore	::	10,918 8,817	4	2,462	1,922	322
142	Hassanabdal	64	6,374	1	670	591	28
143	Tallagany		7,865	Br	319	169	
144	Campbellpore Cantonmer	it	3,912		327	225	34
145	Mianwali District.		10 000	100	0.041	1.007	40-
145 146	Mianwali Bhakkar	00	18,698 7,844	166	3,341	1,807	435 24
147	Isakhel		8.831	2	220	205	2
148	Kalabagh		9,748	4	55	49	3
110	Montgomery District.		20.00	1		0.000	
149 150	Montgomery		29,099		3,721	2,379	615 255
151	Pakpattan	iii	12.829 12,990		2,956 1,810	2,019 1,120	51
OPH	199-199-1	25	12,000	189	1,010	8 1 1 8 Ed.	LAND

THE RESU	OF SUCCESS- B IN WHICH ULTS WERE OWN.	fully vacci.	Vaccination			essful vacci. re-vaccina-	of each suc-		
Primary.	Re-vaccination.  Re-vaccination.  Persons successfully nated per 1,000 of lation.		Total cost of Department.		BWY	Number of successful vaccinations and re-vaccinations.	Average cost cessful case.		
17	18	19	20			21	25	2 1	
2	8/1-1		. 10 R	s. A	. P.	TOWNS	Rs	A. P.	
99.79 99.64 100.00 96.85 100.00	60.06 88.40 64.46 82.04 84.21	59.77 68.13 63.51 77.45 64.31	41 9 6 3	5 0	0 0	1,780 975 556 658 60	0 0 0 0	3 8 1 7 1 10 0 9 1 4	
99·72 98·17 97·81 100·00 99·75 99·76 100·00 100·00	50·80 58·23 59·99 85·44 56·33 51·12 98·19 45·13	206.92 118.92 135.31 75.44 174.23 48.13 409.24 142.43	15 26 38 6 16 68 16	1 0 9 0 3 0 9 0 2 0 4 0	0 0 0 0 0	1,237 1,068 3,076 548 2,874 1,507 1,506 482	0 0 0 0 0 0	1 11 3 11 2 0 1 10 0 11 7 3 1 9 1 10	
99·84 100·00 100·00 100·00	76.96 60.15 64.58 73.19	126·31 59·38 99·07 181·89	71	5 7		2,628 669 1,058 1,167	0 0 0	4 9 1 1 5 2	
100·00 100·00 100·00 99·46	66·93 69·76 61·15 59·28	156 · 54 * 178 · 52 139 · 36	1,29 29 4 1,11	6 6	3 0	13,726 1,478 128 6,459	0 0 0 0	1 6 3 2 5 9 2 9	
99.80 99.06 99.21 100.00 85.03 100.00	90·86 73·79 89·81 92·06 52·97 76·79	51·70 96·35 246·34 123·00 39·54 78·48	19 4 3	5 0 3 0 0 4 5 10 8 0 9 1	6 6 0	639 1,052 2,172 784 311 307	0 0 0 0 0	0 7 0 10 1 5 0 11 1 11 1 0	
98·87 100·00 98·90 99·36	62·18 68·39 94·04 94·23	143·33 36·08 53·67 36·83	199,0	6 1: 5 (22 (6) 6 (6)	0 0	2,680 283 474 359	0 0 0 0	2 8 0 10 0 9 2 6	
100·00 98·30 99·47	76·59 74·75 63·67	118·01 202·51 159·04	1,1; 3; 7;	22	0 0 5 6 0 0	3,434 2,598 2,066	0 0	5 6 2 0 5 10	

		Holi	-ndod	cina-	TOTAL NUMBE	R OF PERSONS	
	oday d	and to the		of vaccina-	SUSA STREET BUT		
Number.	DISTRICTS OR TOWNS.	V jo Jeon LatoT Jnembaqed	Midyear estimated lation (1939.)	Average number of vaccinators employed throughout the year.	Males.	Females.	
1	2	0.0	3	04	5	7 6 LA	
. A. P.	Lyallpur District.	RA. A	20,779	77-03 11-80 48-11	50 · 00 01 · AN	97-99	
152 153 154 155 156 157 158	Lyallpur Gojra Tandianwala Toba Tek Singh Jaranwala Kamalia	0 30 0 80 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	49,131 11,847 7,352 6,818 8,641 15,578 5,095	3 1 1 1 1 1 	4,706 1,424 1,323 1,123 1,632 1,195 807	3,696 631 448 384 752 814 303	
1 8	Jhang District.	0 280 0 101 0 101 0 34 0		548813 51400-24 142-43	25-523 01-904 82-58		
159 160 161 162	Chiniot Shorkot	119 er	42,918 31,013 7,804 5,642	1 1 18 - 82.1 18 - 92.1 10 - 90.65 (8 - 18 f	2,565 1,363 635 314	3,477 1,435 442 222	
D 1	Multan District.	0 100		156154	59-86		
163 164 165 166 167 168 169	Shujabad Khanewal Kahror Tulamba Mian Channu Multan Contonment	6 88 6 88 6 88 6 88 6 88 6 88 6 88 6 8	125,768	1 1 1 07 13 1 85 42 1 85 42 1 100 121 1	5,354 215 834 80 445 176 1,378	4,334 232 308 101 264 298 649	
170 171 172 173 174 175	Muzaffargarh Khangarh Alipore Leiah	11 081 0 07 0 00 0 00 0 00 0 00 0 00 0 00 0 0	6,991 3,071 4,464 11,058 3,885 229	88-881 80-88 70-8-1 88-8-2 10-8-1	445 49 106 238 97 20	78 - 80 00 - 00 1 00 - 20 411 38 131 379 00 - 00 1 90 00 - 20 17	

VACCINATED.	sons acci-	PHINARY	PRIMARY VA	CCINATIONS.	-	
	of per	NOTT Albiton	Vece	Successful.		
Total.	Average number of persons vaccinated by each vaccinator.	Total.	Under one year.	One year and under six years	lotal of all ages.	
7	at s	9 21	10	11	12	
			Rd. A. P.	TOWNS	- B	
				ur District.	Lydlip	
8,402 2,055 1,771 1,507 2,384 2,009 1,110	2,801 2,055 1,771 1507 2,384	2,560 409 360 222 363 585 169	1,488 373 297 179 301 478 118	670 27 27 28 49 61	2,202 403 334 218 354 547 131	
				District	Ihani	
6,042 2,798 1,077 536	6,042 2,798 -	1,744 1,015 193 116	1,173 890 129 86	342 70 35 29	1,519 961 164 116	
9,688	3,229	3,965	3,145	535	3,702	
3,033 447 1,142 181 709 474 2,027	1,142 181 709 - 2,027	244 437 181 303 258 601	209 227 146 177 182 516	24 94 15 96 65 54	240 323 161 280 249 584	
856 88	73-04 888 44-98 828	228 88	210 84	15	225 86	
88 237 617 187 37	264 245 84 84 82 84	135 353 103 5	84 258 89 5	43 95 13	132 353 103 5	

			and the second second			
	Dierreit obspassivents	estimated popu- 939).	PRIMARY VACCINA- TIONS— concld.	R	EVACCINATIO	ONS.
	DISTRICTS OR TOWNS.	tim.	589		20 d	1
	- X-				100	Total.
ber	3 20	ear on (	IMO		nJsg	имо
Number.	Take substitute	Midyear Jation (1	Unknown.	Total.	Successful	Unknown.
Z	14 95	- N	- D	Ĕ	Su	Un
1	gf B. To 2 KB LICKED.	3	13	14	8 15	16
	B.—TOWNS.					
	Lyallpur District.		NA 11		1,700	3,090
14	Toka Tek Singh		18 8		1,123	448
152 153	Lyallpur Gojra	49,131 11,847	356	5,842	3,267	1,346
154	Tandlianwala	7,352	26	1,646 1,411	888 619	219 353
155 156	Toba Tek Singh Jaranwala	6,818 8,641	4 9	1,285 2,021	885 1,249	235 293
157 158	Kamalia	15,578 5,095	38	1,424 941	1,162	147 271
	1 Herr-Methana					2,477
	Jhang District.					1.435
0.1	248	1,173	1,744	210		310,5
159 160	Jhang-Maghiana Chiniot	42,918	225	4,298	2,231	1,125
161	Shorkot	31,013 7,804	51 29	1,783 884	875 371	52 278
162	Ahmadpur → ··	5,642		420	248	96
16	Multan District.					282
20	Kabeer 585	3145	S S Song o	000	80	101.
163 164	Multan Shujabad	125,768 7,363	245	5,723 203	5,192	274
165 166	Khanewal Kahror	12,568 8,545	61 20	705	184 541	6 82
167	Tulamba	5,330	23	406	276	49
168 169	Mian Channu Multan Cantonment	5,048 12,618	100 7	216 1,426	103	12 162
	Muzaffargarh District.					
13	Elangue .				19 1	
170 171	Muzaffargarh Khangarh	6,991	3	628	363	131
172	Alipore	4,464	822 2	102	31	32
173 174	Leiah Karor	11,058 3,885	185	264 84	245	3
175	Muzaffargarh Civil Lines	229	108	32	84 8	14
			1		**	
				The second second second second		

CENTAGE OF FUL CASES IN THE RESULT KNOWN	WHICH S WERE	fully vacci.	/accination	100	ssful vacci-	each suc-	
Primary.	Revaccination.	Persons successfully vaccinated per 1,000 of population.	Total cost of Vaccination Department.		Number of successful vaccinanations and revaccinations.	Average cost of cessful case.	
17	18	19	20		21 2	22	
			Rs. A.	Р.	NNS-concrd.	TRS. A.	P.
					d Khan Distrik	Dorn Gha	
100 1,520	180,000	12 2				Dora Ghas	
99·91 99·75 100·00 100·00 100·00	72.66 62.23 58.51 84.28 72.28	111·31 108·97 129·62 161·78 185·51	$\begin{array}{r} 1,989 & 0 \\ 740 & 14 \\ 449 & 10 \\ 216 & 0 \\ 288 & 0 \end{array}$	9 0 0 0 0	5,469 1,291 953 1,103 1,603	0 5 1 0 9 0 7 0 3 0 2 1	0 2 7 2 0
100.00	90·99 63·73	109·70 109·52	186 0 89 0	0	1,709 558	0 3 0 2 1 0 1 0 2	9 7
100,000,001	969,5200	BERRY			Deriving Cond	To late! of	
100·00 99·69 100·00 100·00	70·31 50·55 61·22 75·15	87·37 59·20 68·55 64·52	565 0 388 13 29 0 26 0	0 2 0 0	3,750 1,836 535 364	0 2 0 3 0 0 0 1	5 4 10 2
				1	entinto	Vaccine J	
99·52 99·58 85·90 100·00 100·00	95·28 93·40 86·84 77·31	70·72 57·58 68·75 18·84 104·31	$\begin{array}{c} 1,484\ 11\\ 96\ 0\\ 159\ 2\\ 114\ 3\\ 289\ 0\\ \end{array}$	3 0	8,894 424 864 161 556	0 2 0 3 0 2 0 11 0 8	8 7 11 4 4
99·20 97·17	50·49 39·48	69·73 85·83	34 10 278 0	0	352 1,083	0 8 0 1 0 4	71
100.00	73.04	84.11	14 6		588	Precticion	
100·00 100·00 97·78 100·00 100·00	44·28 93·86 100·00 44·44	28·00 36·51 54·08 48·13 56·77	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	0 0	86 163 598 187	0 0 0 5 0 0 0 1 0 3	5 0 7 1 2

\*Murrey being hill station the population during summer months keeps on fluctuating against this bill station exceed the figure of astimated population which is based on c

Number.	DISTRICTS OR TOWNS.	Mid year estimated popula- tion (1939).	Average number of vaccinators employed throughout the year.	TOTAL NUMBE	Females.
1	2 18	3	4	5	611
	B-TOWNS-CONCLD.  Dera Ghazi Khan District.	IRE. A			
176 177 178 179 180 181	Dera Ghazi Khan Jampur Rajanpur Dajal Kot Mithan Taunsa	27,587 10,876 5,303 6,876 2,947 8,003	1 20 20 20 20 20 20 20 20 20 20 20 20 20	1,621 551 401 393 57 2,098	999 535 343 261 45 1,451
T A	Total of Towns	3,444,129	150	339,753	227,080
	Total of District (excluding Towns).	23,786,984	428	2,259,686	1,620,661
4 CH	Total of Special Staff	0 000 81 HARI 0 000 0 100	9	25,318	18,899
	Vaccine Institute		5		
	Total of Disp ensary Staff	1,484.11	27-67 37-56 18-76	4,714	606
TO TO	Total of Railway Medical Staff.	3807.0 - 0430 2780.0	18-83 of 18-81 of 18-81 of	4,033	2,017
	Total of Private Medical Practitioners.	8 Bt		78-04	00-001
1	GRAND TOTAL	27,231,113	592 (c)	2,633,504	1,869,263

<sup>(</sup>a) Difference between number of operations and number of persons
(b) The figures include 16,931 primary successful vaccinations of
(c) Excluding 102 temporary vaccinators employed for different
(?) The total numbers of vaccinations as shown under column 7
not been calculated.

\*Murree being hil! station the population during summer months keeps on fluctuating against this hill station exceed the figure of estimated population which is based on

ACCINATED.	raons acci-	PRINGING C	PRIMARY VA	CCINATIONS.	
	of peach v	- Albania	19.	Successful.	
Total.	Average number of persons vaccinated by each vaccinator.	Total.	Under one year.	One year and undersix years.	Total of all ages.
7	at. 8	9 81	10	11 2	12
				TOWNS. Khan District.	
2,620 1,086 744 654 102 3,549	2,620	799 331 118 214 102 462	685 325 70 190 76 249	95 6 8 24 9 127	789 331 78 214 85 389
566,833	3,779	134,945	106,221	19,839	127,657
3,880,347	9,066	920,904	693,762	120,343	828,539
44,217	4,913	15,652	8,278	4,463	13,568
				- 210	inal notezay
5,320	1233	397	235	Ball . 39	280
6,050	2,628	943	505	319	891 10 21 10 10 10 10 10 10 10 10 10 10 10 10 10
•	-	-	-	InsiteM ann	vil le lateT
4,502,767 (a)	7,623	1,072,841	809,001	145,003	970,935 (

vaccinated equals 212 which represents secondary operations.

persons of six years and over six years of age.

periods in various districts of the Province.

against Hoshiarpur Civil Lines exceeds the figures of estimated population, hence the ratio has

and is of migratory in nature and total number of vaccinations as shown under column 7 enumeration during winter months. The ratio has accordingly not been calculated.

	COINATIONS. Fuccing'ul.	d popula-	V	PRIMARY ACCINA- TIONS— concld.	The state of the state of	EVACCINATION	ONS.
Number.	DISTRICTS OR TOWNS.	Midyear estimated popula- tion (1939).		Unknown.	Total.	Successful.	Unknown.
1	81 2 II	3		13	14	15	16
176 177 178 189 180 181	B.—TOWNS.  Dera Ghazi Khan District.  Dera Ghazi Khan Jampur Rajanpur Dajal Kot Mithan Taunsa	27,587 10,876 5,303 6,876 2,947 8,003	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	10  40  17 72	1,821 755 626 440  3,087	680 49 217 53  879	305 345 247 18
	Total of Towns	3,444,129	29	6,016	431,985	212,200	78,921
	Total of Districts (excluding Towns).	23,786,984	101	83,269	2,959,557	1,427,974	722,585
	Total of Special Staff	872,1		2,013	28,566	16,470	4,801
	Vaccine Institute						
	Total of Dispensary Staff	588		114	4,923	3,233	479
	Total of Railway Medical Staff.	203		27	5,107	2,625	986
1	Total of Private Medical Practitioners.					-	-
13	140,005 m   140,005			111111			7.
	Grand Total	27,231,113	9	1,439	3,430,138	1,662,502	807,772

and is of migratory to nature and lot also mentor of veccinations as the wanted to be a calculated.

PERCENTAGE OF THE RESULT KNOW	N WHICH	Persons successfully vaccinated per 1,000 of population.	Vaccination	Number of successful vaccinations.	each suc-	
AD JUNEAU CO	N N N N N N N N N N N N N N N N N N N	afull 00 ol	Toras Ason	essf	68	
HEW STRUCK	ion.	1,00	to the state of th	succ	Average cost of cessful case.	
	nati	suc	ner mer	ofe	case	
nary	acci	oons ed	l co	ions is.	age	
Primary.	Revaccination.	Person nated tion.	Total cost of Department.	Number nations tions.	Aver	
17	18	19	20	21	22	
Horn Age	1945	19 8	Rs. A. P.		Rs. A. P.	
0.0	nien ien		cinate man	Bi -		
100.00	44.85 11.95	53·25 34·94	713 0 0 34 0 6	1,469 380	0 7 9 0 1 5 0 1 3 0 0 4 0 10 11 0 0 9	
100.00	57·25 12·56	55.63 38.83	$\begin{bmatrix} 34 & 0 & 6 \\ 23 & 0 & 0 \\ 6 & 0 & 0 \end{bmatrix}$	295 267	0 1 3	
100.00	50.20	28·84 158·44	713 0 0 34 0 6 23 0 0 6 0 0 58 0 0 62 0 0	85 1,268	0 7 9 0 1 5 0 1 3 0 0 4 0 10 11 0 0 9	
99.01	60.10	98.68	66,739 14 9	339,857	0 3 2	
98-91	63 · 85	94.86	309,558 1 10	2,256,513	0 2 2	
99:48	69-30	2.017430	4,803 7 0	30,038	0 2 7	
			36,533 8 9			
98 · 94	72 · 75			3,513		
97.27	63.70			3,516	Btaff.	
			- 1	lasibeM-	By Private	
-				-		
20 00	8618000	198540.1	CELEGIA CALATER	TATO I	bowy	
98-93	63:40	96 · 71	4,17,640 0 4	2,603,437	0 2 6	

9	E.S		E PH	MARY BE	HOTHW	MI BURE CARLES IN
	of successful	TOTAL NU PERS	ONS	TOTAL NU OPERA PERFO	TIONS	PERCENTAGE OF SUCCESSFUL CASES IN WHICH THE RESULTS WERE KNOWN.
obsequi y Autorito	Kunnya ngalian tiona		tions.	Bernoss Bated Bated	tions.	tions.
-00	22	Primary.	Revaccinations.	Primary.	Revaccinations	Primary. Revaccinations.
N. A. Pr	OWNS					
By Special Staff  Vaccine Institute	85.1 85.0 02	15,651	28,566	15,652	28,566	99.48 69.30
vaccine institute	1728	0 0	1005 I	158-44	08.00	37.10
Districts (exc towns).	eluding	920,790	2,959,557	920,904	2,959,557	98.91 63.85
Towns	2,256,51	134,848	431,985	134,945	431,985	99.01 60.10
7 2 0 Total	10,00 A Stude	1,071,289	3,420,108	1,071,501	3,420,108	98-93 63-38
		6 8 6	20,22			
By Dispensary St		397	4,923	397	4,923	98.94 72.75
	Medical	943	5,107	943	5,107	97.27 63.70
	3,510			-	63.70	72.77
By Private Practitioners.	Medical			27 . 6		. 85
Total at Pale						
Grand Tot	al	1,072,629	3,430,138	1,072,841	3,430,138	98-93 63-40
0 2 6	2,803,437	2 0 4	4,17,64	12.90	63.40	86.86

### APPEND:YAAM

AVERAGE PERSONS V EACH V	ACCIN.	ATED BY	SUCCI	OF CHILDREN ESSFULLY INATED.	v accinations	ment.				each successin	1
Fernanda em-		by each vaccinated tor.	Under one year.	One year and under six years.	Ratio of successful vacc per 1,000 of population.	Total cost of Department.			90 400	cost of	
Vaccinators ployed.	Domocoro	by each tor.	Under o	One year a	Ratio of per 1,00	Total cos		25012	Prest	case,	
and and all	Tr.		of berse	o reda		Rs.	۸.	P.	Rs.	Α.	P.
9	0.70	4,913	8,278	4,463		4,803	7	0	0	2	7
	no.	8	UANO DIWA	'Bo		- 5					
5	Dind	Total	LifeTi	Aven	-	36,538	8	9			
428		9,066	693,762	120,343	94.86	3.09,558	1	10	0	2	2
erformed	ions	z accida	offEed in St	dument, No.							
150	1,20	3,779	106,221	19,839	98.68	66,739	14	9	0	3	2
81	10	1,617	278	100 100	- Haracter	Sirmod Y	**	173	ndmA	1	3
2.7	18	1881	201.	100	olgarh Kot Khai	And the second			No.		200
182 592	178	7,587	808,261	144,645	96.45	4,17,640	0	4	0	2	6
88	1	100.00	88 2	11.35	ist State	Charles					8
-01	8	88 88	86 10		State	Delath				-	10.
16	86	28 99	235		i State	Darke					12
	88	8108	011   IIO		o State	adbaM				1	1.01
702 19		0280	257. 210 505	319	enfri State		-		nlaris		
104	80	8826	271			PROMIT					12
T	2	21 10	25		State	Ratesh				-1	81
	200	8831	2,687	2,251		Mehlog		- 1			20
36 B		1 2875	10	1. 7.	State	6 hund				-	120
9 30	-	0110	10		State	Dhadi					
272	08	0817	921	9:6		Imedia	-			-	10
	929	8) 48	7,515	188.8	tate Cantonmen	Stoket S.		15	angra swalph		200
592	1,685	7,623	809,001	145,003	bs 96:71	4,17,640	0	4	.0	2	6

(a) Difference between number of operations and number of person coar

### APPENDIX TO

# STATEMENT SHOWING THE DETAILS OF THE VACCINATION OPERATIONS LOCALITIES DURING

1	2		3		TAKING	5	YE GH	6 000	V-SHORE
1 000		15	2 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		pa				KNOWN
CWGS* GCBF OL STC	Districts.	Naj	daluqoq to 000,1 tsq localit	eies.	vaccinators employed	ns vaccinated.	Revacinations for and ascount	Person reconsted	Succe
TapSaga	P. Re.	Rg A. 4,863 7 36,638 8	15,651	280kg	Average number of throughout the year.	Total number of persons vaccinated	Total.	Under one year.	One year and under years.
9 49 0						-	-		-
-	2 (1)	3.00,55	8 3 2	0.2433	4 4	50	6.00	7	8 8
21.8-0	,Q 1	Kalsia Sirmo	1188486	10,2540 or		Th	1,561 1,647	1,201 1,073	erforme 199 383
21.8-0	.0.1	Kalsia Sirmoo Tahsil Ilaqa l Tahsil Bilasp Bagha Koti F	Behrauli Kotgarh Kot Khai ur State I State Kiar State	i = etsiyet	. 23	The 6,418 4,119 278 132 294 8,708 2,475 254	1,561 1,647 119 131 98 4,350 744 224	1,201 1,073 90 109 63 2,522 373 70	199 383 19 22 27 1,528 261 102
1 2 3 4 5 6 6 7 7 8 9 0 1 1 2 3	.0.1	Kalsia Sirmoo Tahsil Ilaqa l Tahsil Bilasp Bagha Koti H Manga Delath Khane Darkoo Sangar	Behrauli Kotgarh Kot Khai ur State I State Giar State I State State eti State	10,839.1		The 6,418 4,119 278 132 294 8,708 2,475 254 89 64 93 36 114	1,561 1,647 119 131 98 4,350 744 224 46 63 93 22 90	1,201 1,073 90 109 63 2,522 373	199 383 19 25 26 1,528 261 102 25 48 16 37
1 2 3 4 5 6 7 8 9 0 0 1 2 3 3 4 4 5 6 7 8	.0.1	Kalsia Sirmoo Tahsil Ilaqa l Tahsil Bilasp Bagha Koti H Manga Delath Khane Darkoo Sangan Madha Kumar Balsan Throao Theog	Behrauli Kotgarh Kot Khai ur State I State	10,839.24		The 6,418 4,119 278 132 294 8,708 2,475 254 89 64 114 119 257 349 271 111	1,561 1,647 119 131 98 4,350 744 224 46 63 93 22 90 119 240 336 263 106	1,201 1,073 90 109 63 2,522 373 70 17 61 34 1 48  53 1	199 383 19 25 26 1,528 261 102 25 144 16 37 46 145 207 104 84
1 2 3 4 5 6 7 8 9 0 0 1 2 3 3 4 4 5 6 7 8 9 9 0 1 2 2 3 4 4 5 6 7 8 9 9 0 1 2 2 3 4 4 5 6 6 7 8 9 9 0 1 2 2 3 3 4 5 6 6 7 8 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 9 0 1 2 2 3 3 4 5 6 7 8 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	mbala .	Kalsia Sirmoo Tahsil Ilaqa l Tahsil Bilasp Bagha Koti F Manga Delath Khane Darko Sangar Madha Kumar Balsan Throag Theog Ratesl Mehlog Kutha Ghund Dhadi	Behrauli Kotgarh Kot Khai ur State I S	0,839.51		The 6,418 4,119 278 132 294 8,708 2,475 254 89 64 119 257 349 271 111 25 2,637 281 91 10	1,561 1,647 119 131 98 4,350 744 224 46 63 93 22 90 119 240 336 263 106 12 386 131 84 10	ations p 1,201 1,073 90 109 63 2,522 373 70 17 61 34 1 48 53 1 58 8 2 200 80 1	199 383 19 22 27 1,528 261 102 25 48 16 37 104 84 145 207 104 84 7 110 38 55
1 2 3 4 5 6 7 8 9 0 1 1 2 3 4 4 5 6 6 Kan	mbala	Kalsia Sirmoo Tahsil Ilaqa l Tahsil Bilasp Bagha Koti H Manga Delath Khane Darko Sangar Madha Kumar Balan Throac Theog Ratesh Mehlog Kutha Ghund Dhadi Rawin Dhami Suket S Murree	Behrauli Kotgarh Kot Khai ur State I S	98-019-01		The 6,418 4,119 278 132 294 8,708 2,475 254 89 64 114 119 257 349 271 111 25 2,637 281 91	1,561 1,647 119 131 98 4,350 744 224 46 63 93 22 90 119 240 336 263 106 12 386 131 84	1,201 1,073 90 109 63 2,522 373 70 17 61 34 1 48  53 1 58 8 2 200 80	1

(a) Difference between number of operations and number of person-

STATEMENT No. I.

PERFORMED BY THE SPECIAL AND CANTONMENT STAFF ACCORDING TO THE YEAR 1939-40.

TARIDOAV.				7		1	3
ACCINATION.		.bejanioo	Ri	EVACCINATIO	PERCENTAGE OF SUCCESSFUL CASES IN WHICH RESULTS WERE KNOWN.		
Six years and over six years.	Total of all ages, dupot:	Unknown, Zamper ancessagniff, Ast	Total. Lagest namper.	Successful. Assegnated.	Unknown, Tabieta porty mimper	Primary.	Revaccination.
9	10	11	12	13	14	15	16
38 107 38 107 1 51 24 14 2 2 1 121 94 3 1 24 20 7 6 38 1 195	1,438 1,563 110 131 91 4,101 658 186 44 62 83 22 86 118 199 329 256 95 10 334 118 75 10 44 111 769 43 2,482	121 75 75 78 199 81 38 2 10  4 1 10  4 1 10 2 51 1 13 9  1,277	4,857 2,472 2,472 196 4,358 1,731 30 43 1 1 14 24 17 13 8 5 13 2,251 150 7 8 39 6,698 163 5,308	1.  3,082 1,798 1,798 100 2,068 956 13 26 13 26 13 27 1,349 80 4 19 3,898 85 2,868	771 146 34 9 519 166 6 1 9 2 2 4 205 8 1 891 24 1,995	Theight and their	Powns. Powns. Staff. Political (Deta. Kinn). (Petalway Pitarial
827	882.838	2,013	28,566	888,878 16,470	4,801	99 · 48	69-30

vaccinated equals, which represents secondary operations.

#### COMPARATIVE STATE

SHOWING THE NUMBER OF PERSONS PRIMARILY VACCINATED AND THE NUM PUNJAB IN EACH OF THE UNDER

PERSONS PRIMARILY

					PERSONS	
HOATMHORM'S AUGUSTAN AUGUSTAN HOINW MWONK MANW  ESPABLISHMENT.	Average total number.	Average number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Number successfully vaccinated.
socins ret.	EBOMB	trlineso	ur.	and dis		EAR ENDING
Beat Bat	1876—	1929.	193	0.	193	1. 38
Government	77,715	72,368	23,206	21,411	22,019	19,155
			itement No.	ohided in St	Stiriff rire din	by the special
113	AUVE alais	3,082	1,857	811,4121	129821	88 107
Districts excluding Towns, Towns and Cantonment Staff.	533,548	1500,944 400,6	844,662	783,379	842,045	777,165
Dispensaries	6,438	5,586	1,680	1,571	8818 886 1,711 8888	1,557
HE	9 Sangar	Bale	26	F 114	0880	18 18 18 18 18 18 18 18 18 18 18 18 18 1
Political Staff (Dera Ghazi Khan).	b homas Balwa Throse	State- aplisteds state kinte	1,360	1,260	2,593 0282 0382 0382	2,458
Railway Medical	602Mehlog 8 E-than 4 Glaund	08 tu -	2,251	15 9,837 81 .+1 0 81	2010 2010 2010	02 54 02 03 04
Private Medical Practitioners.	A Danie 1985 - La S All Murrel 1986 Elbert	3.508. 3.808. 3.808. 3.808.	88 861 861 888,3	1 100	1113 987 4 8M3 18M3 1842 1	98 48 568 571 21 20 5381 692
Total	617,701	578,898	870,908	807,621	868,368	800,335

#### MENT No. II.

ER OF THOSE PERSONS WHO WERE SUCCESSFULLY VACCINATED IN THE MENTIONED OFFICIAL YEARS.

VACCINATED.

March et beconsete	sfully vaccinated.	and mon lato'T	sfully vaccinated.	TXB	sfully vaccinated.
Total number.	Number successfully	Total number.	Number succes	Total number.	Number succes

31ST MARCH.

1932.			193	3.	1934.				
25	5,130	22,533	26,603	23,656		20,495	17,677		
876	3,409	806,657	975,246	898,128	6,13	929,246	853,087		
1	,678	1,577	1,715	1,643		644	Leoidillo 9		
80	84.6	528	643	-		Inot	Railway Mad Staff,		
						Inol	Private Med		
90	3,217	830,767	1,003,564	923,427	117.701	950,385	871,379		

ESTABLISHMENT.	Average total number.	Average number successfully vaccinated.	Total number.	Number successfully vaccinated.	Total number.	Numb er successfully vaccinated
9000	Today	Nite act	bet. urpat:		Y	EAR ENDING
the contract of	1876-	-1929.	193	35.	19	936.
Government	77,715	72,368	17,081	14,633	16,856	14,893
Districts excluding Towns, Towns and Cantonment Staff.	533,548	500,944	899,323	833,796	1,000,929	930,588
Dispensaries	6,438	881,865,586	636	628	7060	690
Political Staff (Dera Ghazi) Khan).	0,40	1,648	7 atv.1	. 577 177	81	8.1
Railway Medical Staff.			542	523	548	529
Private Medical Practitioners.						
Privilla Medical		***	1			
ere, ma	617,701	578,898	917,582	849,580	1,019,039	946,700

vaccinated.	Vaccinated.	TION IL	vaccinated.	NI WORE 2	vaccinated.
Total number.	Total number.	Total number.	Number successfully	Total number.	Number successfully

31st MARCH.

193	7.	1938	3.	8 19:	39.	19	40.
12,416	10,325	18,787	16,325	18,677	16,948	15,652	13,56
1,027,255	955,106	1,045,305	964,505	1,037,406	946,128	1,055,849	956,196
269	240	431	407	591	452	397	286
\$0.00 m \$0.00 m \$0.00 m \$0.00 m	88,180 30,701 81,521 81,637 81,637		0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	502,58 00 100,17 11 100,24 18 001,88 07 870,18		iba	Sharps Hickory Attends
467	456	692	653	423	412	943	89
21.0	282,383	E e	709.702	2,215,357		lool	
17.89	2,308		28,511	tgr.eg 8,00,8	3,61	Dase you	Interpet
1,040,407	966,127	1,095,215	981,890	1,057,097	963,940	1,072,841	970,93

## TATEMENT SHOWING THE ANNUAL NUMBER OF SUCCESSFUL VACCINATIONS TION IN EACH DISTRICT OF THE PUNJAB

	Tellatorianos.		193	5-36.	1930	3-37.	
Number.	District.	Virginia arrocom	Number of successful cases.	Annual ratio of deaths from smallpox per 1,000.	Number of successful cases.	Annual ratio of death from smallpox per 1,000.	
1	.0497 2		3	4 .888	5	81937.	
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29	Hissar Rohtak Gurgaon Karnal Ambala Simla Kangra Hoshiarpur Jullundur Ludhiana Ferozepore Lahore Amritsar Gurdaspur Sialkot Gujranwala Sheikhupura Gujrat Shahpur Jhelum Rawalpindi Attock Mianwali Montgomery Lyailpur Jhang Multan Muzaffargarh Dera Ghazi Khan.	7,715 810,043 916,428  412	58,531 45,655 81,253 72,383 69,264 1,853 77,012 69,492 58,224 39,706 192,812 131,835 129,607 103,164 134,062 40,354 52,728 72,562 35,255 71,901 42,201 68,199 51,076 103,044 118,662 46,749 91,121 86,893 69,759	0·19 0·21 0·16 0·12 0·11 0·23 0·12 0·15 0·06 0·29 0·21 0·27 0·13 0·03 0·01 0·06 0·01 0·07 0·03 0·04 0·05 0·04 0·02 0·01 0·03 0·01 0·03 0·04 0·02	56,773 45,103 50,253 86,288 64,066 2,357 77,259 69,049 61,921 33,853 125,060 150,494 184,566 103,771 152,175 45,285 69,596 91,902 43,186 50,761 61,521 78,427 61,984 90,576 123,891 52,780 105,692 31,784 96,610	0·12 0·12 0·06 0·03 0·06 0·08 0·09 0·20 0·02 0·06 0·12 0·71 0·30 0·05 0·04 0·09 0·13 0·25 0·04 0·03 0·08 0·03 0·08 0·09 0·11 0·09 0·11 0·01 0·02	
Pris	Total		2,215,357	0.09	2,266,983	0.17	
	Special Staff Dispensary Staff		25,727 3,098		22,308 2,545		
	Railway Medical Sta	2000	1,588	2,582	1,800	0.00,250	
-	Grand Total	000,602	2,265,646*	0.09	2,293,636	0.12	

<sup>\*</sup>Note.—(a) The grand total for the year 1935-36 includes the figure 19,876 for work (b) The ratios worked out in the years 1935-36 to 1938-39 are based on Census

MENT III.

AND THE ANNUAL RATIO OF DEATHS FROM SMALLPOX PER 1,000 OF POPULA-FOR FIVE YEARS ENDING 1939-40.

1937	7-38.	1938	8-39.	1939	-40.	
Number of successful cases.	Annual ratio of deaths from smallpox per 1,000.	Number of successfut	Annual ratio of deaths from smallpox per 1,000.	Number of successful cases.	Annual ratio of deaths from smallpox per 1,000.	Number.
7	8	9	10	11	12	13
63,118 65,798 53,413 96,321 80,151 1,775 89,414 71,489 66,447 52,578 123,412 214,723 150,763 199,408 209 279 72,733 102,731 128,862 106,053 71,544 70,240 136,072 78,032 217,076 313,447 165,681 259,150 104,207 81,816	0·20 0·18 0·03 0·02 0·02 0·06 0·02 0·03 0·01 0·04 0·22 0·58 0·14 0·04 0·21 1·82 0·70 0·65 0·34 0·10 0·08 0·11 0·09 0·09 0·09 0·09	160,483 71,107 84,261 106,874 81,550 2,919 95,721 73,940 77,913 58,169 176,256 127,878 104,240 117,217 122,059 45,592 85,129 85,130 57,926 56,907 79,247 98,737 67,571 159,589 217,260 54,703 76,228 113,453 81,643	0·89 0·26 0·28 0·04 0·04 0·08 0·02 0·17 0·07 0·15 0·30 0·25 0·07 0·02 0·15 0·95 0·41 0·13 0·26 0·09 0·11 0·18 0·07 0·18 0·07 0·18 0·07 0·24 0·06 0·01 0·25	127,398 61,590 81,268 95,623 88,941 2,750 108,709 116,444 98,860 68,659 181,548 113,386 83,055 101,569 116,284 42,197 74,801 85,373 69,848 56,333 77,636 108,287 71,274 133,220 136,367 61,864 86,092 87,482 59,512	0·19 0·20 0·14 0·53 0·10 0·30 0·02 0·49 0·14 0·30 0·23 0·17 0·08 0·04 0·07 0·04 0·07 0·27 0·21 0·12 0·14 0·13 0·27 0·21 0·12 0·14	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 57 58 29
3,445,733	0.53	2,739,702	0 .50	2,596,370	0.17	
27,876		28,514		30,038		
1,310		1,507		3,513		
2,094		1,098		3,516		
3,477,013	0.53	2,770,821	0.50	2,633,437	0.17	

done by Cantonment staff.

population, whilst those of 1939-40 are based on midyear estimated population.

32 DPH-314-27-3-41-SGPP Labore.

MENTAIL.

AND THE ANNUAL RATIO OF DEATHS FROM SMALLFOX PER 1,000 OF POPULA-

		1989			1988			2001
				2001	1937-38.			
.TodanoW	addest to other favors.  To 000.1	Interest to sedming		trom smallbox per Annual February	from sending of double from sending por Causes.		addash to oldar laran A regular policy policy to the control of th	from small for death from small for her Knith for the state of the small for the state of the small for the small
13	12	- 11		- 01				-
-								-
10 10 10 10 10 10 10 10 10 10	0·19 0·20 0·30 0·10 0·10 0·10 0·10 0·10 0·14 0·14 0·13 0·13 0·13 0·13 0·14 0·13 0·13 0·14 0·13 0·14 0·14 0·13 0·14 0·14 0·15 0·16 0·16 0·17 0·18 0·18 0·19	127,898 61,500 15,500 2,500 2,750 108,709 108,709 116,444 108,709 116,444 108,565 113,380 113,380 110,569 110,569 12,197 110,284 101,569 110,284 101,569 110,880 1		0.80 0.28 0.28 0.028 0.04 0.06	180.183 186.201 186.201 186.201 186.201 186.721 186.721 176.201 127.803 127.803 127.803 127.803 127.803 127.803 127.803 127.203		0.20 0.18 0.02 0.02 0.02 0.02 0.02 0.03 0.04 0.04 0.04 0.05	03,118 2102,798 200,151 200,151 200,151 200,151 200,152 200,279 200,279 200,279 200,173 210,173 210,17
Don't	bast Eban.			09,750				0.000
	Total	2,596,370		0.20	,2,739,702		0.23	3,445,733
		80,038			28,514			27,876
	Limst	8,518		25,727				
				0.000	1,507		naik .	1,310
		3,516	1		800.1		1.550	2,094
	**			14.77				
	41.0	2,633,437		0.20	2,770,821		0.23	3,477,013

done by Cantonment staff.

population, whilst those of 1939, 40 are based on midyear estimated population. 32 DPH-314-27-3-41-8GPP Labore.



