

Government of the Punjab,

PUBLIC WORKS DEPARTMENT.

ADMINISTRATION REPORT

OF THE

BUILDINGS AND ROADS BRANCH

FOR THE YEAR

1911-1912.

E 10

109.88

1911-12



Lahore.

CAXTON PRINTING WORKS.

1912.

PRICE :—One shilling or twelve annas.

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**PUBLIC WORKS DEPARTMENT,
PUNJAB,
BUILDINGS AND ROADS BRANCH.**

TOTAL EXPENDITURE.

E. 10
1911-12

1. The total outlay for the year amounted to Rs. 60,95,271 under the following main heads:—

(2). Substitute the following for paragraph 1 on page 1.

1. The total outlay for the year amounted to Rs. 63,08,750 under the following main heads:—

	Rs.
Imperial Military Works	1,48,137
Imperial Civil Works	7,33,255
Provincial Civil Works	51,92,467
Contributions (including local loans)	2,34,891
Total	63,08,750

Public Works Department, Buildings and Roads Branch, was held by Mr. J. T. Farrant, up to 8th February 1912, and by Colonel R. S. Maclagan, C. B., C. S. I., from the 9th idem to the close of the year.

The charge of the 1st Circle of Superintendence was held throughout the year by Lieutenant-Colonel W. R. Morton, R. E.

The charge of the Second Circle was held by Colonel R. S. Maclagan till the 2nd February 1912, when he was appointed officiating Chief Engineer. He was succeeded by Mr. L. F. Robertson who held charge for the remainder of the year.

Mr. Bagley, Superintending Engineer, held charge of the 3rd Circle till the 31st January 1912, and Mr. Orr who succeeded him for the remainder of the year.

The post of Sanitary Engineer was held by Mr. D. W. Aikman till the 26th February 1912, and for the remainder of the year by Mr. V. Stainton, Executive Engineer, King Edward Memorial Division, in addition to his other duties.

The administrative changes during the year were:—

(1). The abolition of the Gujranwala Provincial Division with effect from 13th April 1911, when the Sialkote Sub-Division, comprising the Districts of Gujrat and Sialkote, was abolished. The Gujrat District was amalgamated with the Jhelum Sub-division of the Rawalpindi District and the Sialkote District merged in the Gujranwala Sub-division which was transferred to the Lyallpur Provincial Division.

(2). The Jhang Sub-division of the Lyallpur Provincial Division was abolished on 1st April 1911, and the works in the Jhang District were transferred to the Shahpur Sub-division of the Lyallpur Provincial Division.

(3). In February 1912, No. III Sub-division of the Simla Provincial Division was converted into an Imperial Sub-division, and placed under the charge of Mr. R. J. Angus, Assistant Engineer, who was specially appointed by the Government of India. The Sub-division comprises all minor work and repairs to the Imperial Military and Civil buildings in Simla.

(4). Mr. E. L. Crawford, Assistant Engineer, on return from leave on 23rd October 1911, was deputed to the Simla Municipality as Resident Engineer.

Captain Battye, R. E., who is on deputation from the Military Works Services, has been in charge of the Simla Hydro-Electric Division throughout the year.

IMPERIAL MILITARY WORKS.

3. The total outlay on Original Works was Rs. 1,24,251 (including Rs. 30,886 under "Special" demands) and Rs. 29,281 on Repairs.

Five miles of metalled road in the Sargodha Remount Depot were completed at a cost of Rs. 31,086 and six additional roads have been provided in the barracks.

The fourth Pharmacy, the fourth veterinary assistants' quarters and the fifth store and grain godown at the Sargodha Depot, and a supply-house at Adampur in the Jullundur District were also completed.

The following works were in progress, a godown for petty stores, two chaff-cutting and grain-crushing sheds, and a machine shed in the Sargodha Remount Depot, stallion stables in Chak No. 57, and supply-houses at Nurpur and Shahpur in the Kangra District.

IMPERIAL CIVIL WORKS.

4. The total outlay on Original Works was, Rs. 3,61,760, and on Repairs, Rs. 1,38,852.

The laboratory and residence for the officer investigating camel diseases and his staff at Sohawa, progress on which was delayed by rains in March 1911, was completed in July 1911.

✓ Outhouses for the Post Office at Rawalpindi, and combined Post and Telegraph Offices at Lower Dharmasala, Kangra District, and at Fazilka in the Ferozepore District were completed.

The cattle shed in the Home Farm at Hissar was re-roofed.

At Simla the "Delville" estate was purchased for the office of the Private Secretary to His Excellency the Viceroy and the "Bemloe" estate for the accommodation of European Clerks of the Government of India Offices. The Press-room at the Foreign Office was converted into a record-room and iron racks were provided in the record-room of the Railway Board Office.

Special repairs and improvements to "Rothney Castle," which was obtained on loan for the residence of Sir John Hewett, President, Delhi Darbar Committee, were carried out during the year.

The works in progress included the Grain Godown at Hissar, the Council Chamber at Viceregal Lodge, Simla, a combined Post and Telegraph Office at Chaura Maidan, Simla, and the Press-room at "Delville," Simla for the Private Secretary to His Excellency the Viceroy; additions and alterations to "Craig-Dhu" and extending the Walker Hospital, Simla.

The additions and alterations to the Telegraph Office, Lahore, were practically completed, and the dismantling and rebuilding of the Railway Parsonage and the construction of the North-Western Railway Church at Lahore were carried out by the Railway Department.

PROVINCIAL CIVIL WORKS.

5. The total expenditure incurred was Rs. 28,89,877 on works and Rs. 15,28,723 on Repairs.

CIVIL BUILDINGS.

Administration.

6. *Land Revenue.*—Total expenditure on Works, Rs. 1,23,384.

A new record-room for the District Court, Sialkote, and a tehsil at Ferozepore were completed during the year. The District Court buildings at Lower Dharmasala, a combined court and residence for the Assistant Commissioner at Sheikhpura in the Lahore District, a new block of Courts at Jullundur and the tehsil buildings at Chorutta were constructed.

The additions and alterations to the tehsil at Gugera were completed and the roof of the District Court, Lahore, was made watertight.

Work was in progress on the District Court, Ludhiana, on the court-rooms and Sub-Registrar's Office, Hoshiarpur, and on the extension of the tehsil buildings at Chorutta.

Miscellaneous.—The quarters for the Superintendent, Punjab Government Press at "Ellerslie," Simla, were completed at a cost of Rs. 5,825.

Agriculture.—Total expenditure, Rs. 53,378.

The following works in connection with the Punjab Agricultural College at Lyallpur were completed during the year :—

Construction of workshop, and providing it with electrical energy ; extension of boarding-house and quarters for the Agricultural Assistant and quarters for the Second Mukaddam and Agricultural Assistant under training.

The construction of the Agricultural Station at Gurdaspur was in progress.

Minor Departments.

7. *Monuments and Antiquities.*—Total expenditure, Rs. 1,05,034.

The greater part of this expenditure was incurred in the Delhi Fort in which a Garden Party was held on the afternoon of 13th December, at which Their Majesties the King-Emperor and Queen-Empress were present.

To make the place suitable for the occasion, the gardens in front of the Dewan-i-Am, Rang Mahal and Mumtaz Mahal were restored. The portion of the archæological area known as the Hayat Bakhsh Garden had been restored in previous years, the old water channels being reconstructed and the plots between them laid out in grass lawns and flower beds. Advantage was taken of the Darbar to complete the whole of the proposed works, and the remainder of the area was laid out in a similar manner, the sites of the old Moghul buildings being marked by shrubberies.

Water from an elevated tank constructed in 1910 was laid on to the marble channel which runs down the centre of the Palace buildings, and also to the fountains of the Hayat Bakhsh Garden which played throughout the afternoon of the Garden Party.

A low ornamental parapet of red sandstone was erected on the east wall of the Fort wall in place of an old, unsightly and flimsy iron one.

The projecting balcony between the Samman Burj and Rang Mahal was adapted as a "jheroka" and here Their Majesties on the afternoon of the 13th December sat in state to watch the Badshahi Mela which was being held below. The Mumtaz Mahal, formerly used as a Sergeants' Mess was restored, (modern additions being removed) and was converted into a Museum of Archaeology.

The following works connected with the Darbar were also carried out by the Provincial Establishment:—

	Cost.	
1. Filling nullah and cutting jungle in the Bela near Delhi Fort ...	9,666	} Debited to Delhi Coronation Darbar Grant Schedule 32-N.—Civil India Accounts.
2. Constructing a road from Nigambodh Gate to Salemgarh, Delhi ...	2,198	
3. Providing purdah accommodation on the occasion of the state entry, and for the Garden Party in the Fort ...	7,401	
4. Special repairs to Circuit House, Delhi ...	781	
5. Constructing wooden gangways in palace buildings in Delhi Fort ...	563	
Total ...	<u>20,609</u>	
6. Works in the Punjab Provincial and Central Camps ...	37,417	Debited to Civil Department.
Total ...	<u>37,417</u>	
GRAND TOTAL ...	<u>58,026</u>	

Educational.

8. *Government Colleges and Schools.*—Total outlay, Rs. 4,46,680.

✓ The Mor Serai at Rewari, and a double storied building at Rawalpindi, the property of Rai Bahadur Buta Singh, were purchased for use as boarding-houses for the Government High Schools at those stations.

✓ At Rawalpindi additions and alterations were made to the Normal School, and at Sialkote a boarding-house was constructed for the Government High School.

The extensions to the Chemical Laboratory, Government College, Lahore, were completed, and fittings and gas plant were provided.

Temporary sheds were constructed for the Government High School, Chorutta.

The new workshop Central Training College, Lahore, was completed.

The following works were in progress:—

Government High Schools at Gujrat, Campbellpur, Lower Dharmsala and Jullundur; special repairs to the Lawrence Memorial School at Murree and a new block for the Lower Primary Classes, Government High School, Muzaffargarh; Queen Mary's College for Indian Girls of good family at Lahore,

outhouses and workshops for Mayo School of Art, Lahore, and additions and alterations to the Government High School at Rohtak and to Primary Class-rooms, Government High School, Amritsar.

The construction of buildings for the Engineering College at Rasul which was started last year, has been completed with the exception of the main hall, which it was decided to postpone until the future of the institution was more assured. It is now so promising that since the close of the year, this building has also been put in hand. The buildings, which are located on the site of the former prison, are of an inexpensive nature, and if the site should ultimately prove to be unsuitable they can easily be removed. The buildings comprise a boarding-house with large recreation-room and dormitories for 100 students, workshops, quarters for Assistant Principal, menials' quarters and minor buildings. A play-ground has also been levelled and the grounds planted up. The full complement of pupils has been secured without any difficulty.

Law and Justice.

9. *Chief, District and Small Cause Courts.*—Total outlay on Works, Rs. 93,056.

The Session's House and the Assistant Commissioner's house at Campbellpur were converted into a Sessions Court and Divisional Judge's house respectively. The Munsiff's Court at Lyallpur, a new Court-house for the Divisional Judge, Ludhiana, the Section Translators' rooms, Chief Court, Punjab, Lahore, Menials' quarters for Divisional Judge's Court, Lahore, additions and alterations to the Divisional Judge's Court, Ferozepore, and the Munsiff's Court at Fazilka were all completed during the year.

Jails.

10. *Central and District Jails.*—Total outlay on works Rs. 3,77,981.

The quarters for a Deputy Jailor and two Assistant Jailors in the Central Jail, Lahore, and the water-supplies for the Central and District Jails, Multan, were completed, and a Tuberculosis Ward was constructed in the Montgomery Central Jail.

Work on the Borstal Central Jail, Lahore, and on the Subsidiary Jail at Dharmsala was in progress, while that on the Reformatory School at Delhi was stopped owing to the possibility of the institution being moved elsewhere, due to Delhi having been declared the Capital of India.

The durrie-weaving sheds in the Multan Central Jail were in progress.

Police.

11. *Police.*—Total outlay on Works, Rs. 1,72,664.

The Police Stations at Sarfatoe and Thikriwala in the Lyallpur District; Pattoki, Lahore District; Nihal Singhwala, Ganda Singhwala, Fazilka and Makhu, Ferozepore District; Haveli and Okara, Montgomery District; and at Chorutta in the Dera Ghazi Khan District were all completed during the year, as well as a Police rest-house at Bharwarna and new Police Lines at Lower Dharmsala, Kangra District.

The Police Parade Ground at Dharmsala was practically completed and the following works were in progress when the year closed:—Police Stations at Kangra, Shahpur, Jowala Mukhi and Sujampur Tirah, Kangra District; Shahkote, Jullundur District; Chutiana, Lyallpur District; Shorkote, Jhang District; Chaensa, Delhi District; and a barrack for constables in Police Lines, Rohtak.

Medical.

12. *Hospitals, Dispensaries, Colleges and Lunatic Asylums.*—Total outlay on Works, Rs. 3,29,268.

The additions and alterations to the Mayo Hospital, Lahore, were completed.

The Vaccine Institute at Lahore, the dispensary at Jaranwala, Lyallpur District, and the new Leper Asylum at Sabathu in the Simla District were in progress.

Miscellaneous.

13. *Registration, Public Works and Miscellaneous buildings.*—Total expenditure on Works, Rs. 95,473.

Public Works buildings.—Work was in progress on the Executive Engineer's residence at Multan.

MISCELLANEOUS OR GENERAL.

14. The Civil rest-house at Musa Khel in the Mianwali District was practically completed.

The following were in progress :—

Civil rest-houses at Jagraon, Ambala District; Ferozepore Jhirka, Gurgaon District; Bankhandi, Hoshiarpur District; Kalanour, Gurdaspur District; and Chorutta, Dera Ghazi Khan District, and the residence for the Head Clerk, Commissioner's Office, Jullundur.

At Gurgaon a house was purchased as a residence for the Deputy Commissioner.

Suspension bridges over the Sutlej at Chaura and at Jhakri in the Simla District were completed, and the Divisional Forest Officer's residence at Lower Dharmsala practically finished.

The extensions to the Council Chamber, Government House, Lahore, the Deputy Commissioner's and District Judge's residences, Lower Dharmsala, and the Revenue Assistant Commissioner's residence at Dharmsala were completed.

COMMUNICATIONS.

15. The Provincial outlay on Works amounted to Rs. 2,14,974 and on Repairs to Rs. 10,88,445. The figures for the three preceding years were :—

			<i>Works</i>		<i>Repairs</i>
			Rs.		Rs.
1908-09	...	...	3,91,045	...	9,17,571
1909-10	...	...	1,00,254	...	9,80,642
1910-11	...	...	3,97,385	...	10,59,300

16. The following table shews the total mileage and cost of maintenance of metalled and unmetalled roads Provincial and District outside Municipal limits, during the year :—

CLASS OF ROAD.	METALLED.				UNMETALLED.			
	Provincial.		District.		Provincial.		District.	
	Provincial.	District Board.	Provincial.	District Board.	Provincial.	District Board.	Provincial.	District Board.
Total mileage ...	1105.24	124.42	...	1384.77	752.31	1035.21	...	18,972.98
Cost of maintenance ...	8,58,220	69,616	...	5,40,296	1,11,264	16,693	...	1,53,694
Rate per mile ...	776	559	...	390	148	16	...	8

17. The following feeder roads were either completed or in progress at the close of the year :—

Roads.	Mileage.	Estimate.
COMPLETED.		
Kurali to Kharrar and Chandigarh, Ambala District ...	21.27	1,32,200
Lyallpur to Narwala, Lyallpur District ...	7.07	54,255
Bhalwal to Laliani, Shahpur District ...	7.50	38,180
Sargodha to Sabhowal, Shahpur District ...	10.50	51,065
IN PROGRESS.		
Ladwa to Abdullapore, Ambala and Karnal Districts ...	18.73	1,08,184

A 4 feet inspection path has been constructed, in order to facilitate the preparation of an estimate, for a cart road from Oot Behali to the Deod Quarry on the right bank of the Beas.

The new dak bungalows at Ludhiana and Karnal, which were in progress last year were completed, and a suspension bridge over the Spiti River at Dunkar was constructed.

The following works were in progress :—

Metalling Tibri-Beas road, Improving road over Bara Lacha Pass, constructing a road from Pali Khad *via* Asni to Baina, metalling the road between Dera Ghazi Khan and Chorutta and the Rugar-Nalagarh road. The raising of certain parts of the Grand Trunk Road near Ludhiana, was practically completed.

BOAT BRIDGES AND FERRIES.

18. The boat bridges over the Palkhu Nullah at Wazirabad, and the Ravi at Shahdera, were maintained throughout the year; while that over the Jhelum at Khushab, which was washed away in March 1911 was re-opened for traffic on 14th October 1911 and remained open for the rest of the year.

A motor launch was purchased for the conveyance of mails and first class passengers across the Indus at Dera Ghazi Khan.

The boat bridge over the Indus at Dera Ghazi Khan was maintained during the cold weather, and a steam ferry service during the flood season.

Major ferries have been maintained at Mirghan, Sanauli, Khojipur and Rajghat over the Jhelum, and at Dera Gopipur and Beas over the Beas.

MISCELLANEOUS PUBLIC IMPROVEMENTS.

19. The expenditure was as follows :—

			Works.	Repairs.
			Rs.	Rs.
Imperial Civil Contributions	...	...	711	...
Provincial	...	...	7,82,897	71,265
Municipal and Loans	...	...	66,434	10,675
Private Subscriptions	...	...	7,571	3,340

20. *Improvements to Towns.*—The metalling of roads in the town of Tandlianwala was in progress.

21. *Paving and Streets.*—The following works were completed :—

Metalling streets and bazars and providing brick pavement in front of shops Chuharkhana Town; metalling roads at Sillanwali; metalling roads in Jaranwala Town; metalling roads and providing brick pavements in grain market at Jaranwala and new Civil Station roads, Dharmasala. The metalling of roads and provision of brick pavements in the grain market at Tandlianwala was in progress.

22. *Lighting.*—The Simla Hydro-Electric Scheme is making good progress, and no efforts are being spared to push it to completion. The head works, flume and tunnel through which it passes, pressure duct, all Staff and Engineer's quarters, transmission lines from Simla to Chaba and Chair, and two small sub-stations have been completed.

Good progress has been made with the reservoir, pipe track, power-house and main sub-station, and they are expected to be completed within the next few months. The high tension mains, and the low tension net work, are well advanced.

Contracts have been placed with Messrs. Siemens Brothers for the hydraulic equipment, power-house plant and supply and laying of cables; and with the British Thomson Houston Company, Limited, for transformers and switch gear.

23. *Water-supply.*—The extension of the Lyallpur water-supply, the temporary water-supply at Chorutta and its extension were completed.

In connection with the Simla Water Works Extension all staff quarters, road to the pumping station at Chair and gravity mains have been completed, and work on the construction of weirs and pumping station is well in hand.

The extension of the water-supply at Jaranwala, and the temporary water-supply at Tandlianwala in the Lyallpur District were in progress. Work was commenced in October 1911 on the construction of a masonry dam, across the Nammal Gorge, in the Mianwali District, to hold up water to supply a canal which it is intended to construct for irrigating the country between the foot of the hills and the town of Mianwali. The maximum height of the dam will be 105 feet, and the storage capacity is estimated to be 630 million gallons.

24. *Sewerage and Drainage.*—The Jaranwala Town Drainage, and the extension of drainage at Lyallpur were in progress.

25. *Miscellaneous.*—The serai at Jaranwala, the bund round Chorutta and the ekka serai at Sillanwali were completed.

The serai at Tandlianwala was in progress.

CONTRIBUTION WORKS.

26. The total outlay was Rs. 7,80,766.

27. The following works were completed :—

✓ Metalling roads in the extension of Lyallpur City ; metalling road from Katchery to Jail, Lyallpur ; police chowki at Mai Vero Tank, Rawalpindi ; renewing the metalling of certain roads, Lyallpur ; improvements to Pasteur Institute and extension of Laboratory, Kasauli ; drainage of Montgomery Civil Station, and the drainage and water-supply of Pattoki Mandi.

28. The following were in progress :—

Extension of drainage of Lyallpur ; improving and metalling road from Chiniot to Kot Khudayar ; stallion stables at Lyallpur and the Municipal Board High School, Rupar.

The work of extension to the north end of the educational buildings, Lahore, to increase the accommodation for the Punjab University, and the construction of the temple and dharmshala in the Aitchison College, Lahore, were practically completed.

DAMAGE BY FLOODS, LANDSLIPS, &c.

29. Some materials of the boat-bridge over the Indus at Dera Ghazi Khan were destroyed by fire on 20th December 1911.

The erosion of the Indus at Dera Ghazi Khan necessitated the dismantlement of the Government High School building.

The bridge over the Fojal Nullah, in Mile 11, Kulu-Lahaul Road was topped by a flood in the right channel, and the approaches were washed away and the road destroyed.

The Koksar bridge (Lahaul) was wrecked by snow.

WORKS OF PUBLIC UTILITY.

30. Works aggregating Rs. 2,40,599 were carried out by private individuals. In the previous year the expenditure was Rs. 1,24,490 under this head.

31. The most important works were :—

A pucca serai with shops attached thereto, at Hoshiarpur, costing Rs. 1,25,000 built by Chamba Ram, son of Lachman Das of Hoshiarpur ; a pucca serai at Bhangala, on the Mukerian Mirthal Road, Hoshiarpur District, costing Rs. 9,000, built by Rai Wazir Khan, son of Rai Saadullah Khan, Rajput of Bhangala, Tahsil Dasuya ; a dharmshala and pucca well outside Nagori Gate, Hissar Town, costing Rs. 6,000, built by the widow of Lala Chiranji Lal, Sahukar, Hissar ; a pucca tank at Balwari, Gurgaon District, costing Rs. 9,000 built by Ram Narain, Chela of Lachman Das, Bairagi of Balwari ; a pucca dharmshala at Sohana, Ambala District, costing Rs. 10,000, built by Gopala, son of Narain Das and Hakim Rai, son of Gonda Mal, Khatri of Sohana ; another dharmshala at Sohana, costing Rs. 20,000, built by Rama Nand, son of Narain Das, Khatri of Sohana ; a dharmshala and mussafar khana at Kot Radha Kishen, Tahsil Chunian, Lahore District, costing Rs. 7,000 built by Lala Behari Lal of Kot Radha Kishen.

ASSISTANCE RENDERED TO LOCAL BODIES.

32. Projects aggregating Rs. 29,91,881 were scrutinized for Local Bodies, and projects aggregating Rs. 10,02,433 prepared for them for works which will in most cases be done by the Public Works Department.

CAPITAL COST OF BUILDINGS.

33. The table below gives the capital cost and cost of maintenance of buildings for the year :—

Class of buildings.		Capital cost.	Cost of main- tenance.	Percentage.
		Rs.	Rs.	
Imperial	... { Permanent	37,09,693	29,189	·78
	... { Semi-permanent	37,32,697	60,703	1·62
	... { Temporary	1,40,822	2,184	1·55
Provincial	... { Permanent	1,01,61,715	1,19,886	1·17
	... { Semi-permanent	1,72,99,974	2,27,929	1·31
	... { Temporary	39,64,711	69,491	1·61
Provincial (for which Capi- tal and Revenue Ac- counts are kept),	... { Permanent	76,654	1,437	1·87
	... { Semi-permanent	9,82,263	18,140	1·84
	... { Temporary	1,41,655	3,802	2·68

ESTABLISHMENT CHARGES.

34. The percentage of cost of Establishment on expenditure was as follows :—

	Per cent.
Imperial Civil	11·99
„ Military	17·36
Provincial	17·57

PERSONAL.

35. The sanctioned strength was 41 officers, and of the actual strength of 39 officers, 31 were present for duty, 7 on leave and 1 on deputation. The number of temporary engineers was 6.

36. The following officers retired during the year :—

- Mr. J. T. Farrant, Chief Engineer ;
- Mr. C. H. Barratt, Superintending Engineer ;
- Mr. W. A. Bagley, Superintending Engineer ;

and the following joined the Department :—

- Mr. A. St. G. Lyster from England.
- Mr. Amar Nath Savara from the Thomason Civil Engineering College, Roorkee.
- L. Raja Ram on promotion from the Upper Subordinate Establishment.

37. One officer, Sardar Balwant Singh, Assistant Engineer and several upper and lower subordinates and members of the clerical establishment were lent to the Committee for work on the Delhi Coronation Darbar, and Colonel MacLagan, R. E., served as Public Works Department member of the Committee, and Mr. D. W. Aikman as Superintendent, Darbar Water-supply in addition to their ordinary duties as Superintending Engineers.

R. S. MACLAGAN, COLONEL,

Offg. Secretary to Government, Punjab, P. W. D.,

Buildings and Roads Branch

STATEMENT A.

(1). SUBSTITUTE the accompanying statement "A" for the statement attached on pages 11 to 13 of the report.

Service Heads.	ORIGINAL WORKS.		REPAIRS.		TOTAL.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
IMPERIAL.						
38.—FAMINE RELIEF.						
III.—Civil Works.						
Communications ... ..	...	...	...	...	...	...
Miscellaneous Public Improvements	...	...	...	...	...	...
Establishment ... ..	...	...	...	...	...	...
Tools and Plant ... ..	...	...	...	...	...	...
Total, Famine Relief ...	...	...	...	...	...	...
47.—MILITARY WORKS.						
SPECIAL DEMANDS.						
Works	34,000	30,886	...	...	34,000	30,886
Establishment ... ..	...	...	...	...	...	(a)
Tools and Plant ... ..	...	...	...	...	...	(a)
Suspense ... ..	...	...	...	...	...	...
Barrack Department ...	...	...	...	...	...	...
Expenditure in England ...	...	...	...	...	...	...
12 Total, Special Demands ...	34,000	30,886	...	...	34,000	30,886
ORDINARY DEMANDS.						
Works	34,199	29,282	64,730	64,083	98,929	93,365
Establishment ... ..	...	...	...	...	29,396	21,575
Tools and Plant ... ..	...	...	...	...	1,877	1,886
Suspense ... ..	...	...	...	...	...	...
Barrack Department ...	...	...	...	...	853	925
Expenditure in England ...	...	...	...	...	...	...
Total, Ordinary Demands ...	34,199	29,282	64,730	64,083	1,31,085	1,17,251
Total, Military Works ...	68,199	60,168	64,730	64,083	1,65,085	(b) 1,48,137
Carried over ...	68,199	60,168	64,730	64,083	1,65,085	1,48,137

(a) Charges for Establishment and Tools and Plant are debited to the Military Works Grant for "Ordinary Demands," vide Government of India, Army Department, letter No. 262 S., dated the 27th July 1909.

(b) Consequent on the amalgamation of Public Works Accounts with those of Civil, the accounts of "Military Works" executed by Public Works Officers were rendered separately to the Examiner, Military Works Services.

STATEMENT A—continued.

Statement of expenditure on Public Works during 1911-12.

Service Heads.	ORIGINAL WORKS.		REPAIRS.		TOTAL.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
IMPERIAL—concl'd.						
Brought forward ...	68,199	60,168	64,730	64,083	1,65,085	1,48,137
45.—CIVIL WORKS.						
Civil Buildings ...	3,84,613	3,58,806	1,38,003	1,38,852	5,22,616	4,97,658
Communications ...	...	2,243	...	...	...	2,243
Miscellaneous Public Improvements ...	...	711	...	...	...	711
Establishment ...	...	...	...	...	83,854	60,053
Tools and Plant ...	...	...	...	...	5,393	3,517
Suspense ...	...	...	...	...	...	+1,73,186
Expenditure in England ...	...	...	...	...	-8,035	-4,113
Total, Civil Works ...	3,84,613	3,61,760	1,38,003	1,38,852	6,03,328	7,33,255
Total, Imperial ...	4,52,812	4,21,928	2,02,733	2,02,935	7,68,413	8,81,392
PROVINCIAL.						
45.—CIVIL WORKS.						
Civil buildings ...	20,24,428	18,92,006	3,87,324	3,69,013	24,11,752	22,61,019
Communications ...	2,28,535	2,14,974	10,90,413	10,88,445	13,18,948	13,03,419
Miscellaneous Public Improvements ...	8,05,070	7,82,897	74,515	71,265	8,79,585	8,54,162
Establishment ...	...	...	...	...	7,74,300	7,76,339
Tools and Plant ...	...	...	...	...	77,610	82,210
Suspense ...	...	...	...	...	...	-84,752
Total, Provincial ...	30,58,033	28,89,877	15,52,252	15,28,723	(d) 54,62,195	(c) 51,92,467
Carried over ...	35,10,845	33,11,805	17,54,985	17,31,658	62,80,608	60,73,859

(c) Includes outlay on Diamond Jubilee Museum, Lahore, in terms of Punjab Government, Public Works Department, letter No. 123 B., dated the 16th January 1906, as under :—

	Rs.
Works ...	1,224
Repairs ...	1,166
Total ...	2,390

(d) A sum of Rs. 1,70,000 has been withdrawn from 45 Civil Works—Provincial, in Punjab Government, Civil Department, No. 788 Financial, dated the 29th March 1912, but as the amount has not yet been distributed the allotment has not been reduced by that amount.

STATEMENT A—concluded.

Statement of expenditure on Public Works during 1911-12.

Service Heads.	ORIGINAL WORKS.		REPAIRS.		TOTAL.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
LOCAL FUNDS.						
Brought forward ...	35,10,845	33,11,805	17,54,985	17,31,658	62,30,608	60,73,859
Incorporated Local Funds ...	...	...	...	..	...	...
Excluded Local Funds ...	...	...	...	...	...	...
Contributions including Local Loans.	...	...	...	...	(e) 4,06,231	(f) 2,34,891
Total, Local Funds ...	...	...	...	...	4,06,231	2,34,891
GRAND TOTAL ...	35,10,845	33,11,805	17,54,985	17,31,658	66,36,839	63,08,750
41.—MISCELLANEOUS RAILWAY EXPENDITURE.						
Senior Government Inspector of Railways, Lahore (Circle No. 4).	...	...	...	...	...	(g) ...
Total ...	...	...	...	...	...	...

			Rs.
(e) Local Loans	...	...	50,000
Contributions	...	...	3,56,231
		Total	4,06,231
(f) Local Loans	...	...	483
Contributions	...	...	2,34,408
		Total	2,34,891

(g) Audit of Imperial Railway Expenditure has been transferred to the Examiner of Railway Accounts with effect from 1st April 1911, vide Comptroller and Auditor-General's letter No. 4416, dated the 18th January 1911.

E. 10

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STATEMENT A.

Statement of expenditure on Public Works during 1911-12.

Service Heads.	ORIGINAL WORKS.		REPAIRS.		TOTAL.	
	Grant.	Outlay.	Grant.	Outlay.	Grant.	Outlay.
1	2	3	4	5	6	7
IMPERIAL.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
33.—FAMINE RELIEF.						
III.—Civil Works.						
Communications ... ..	...	...	...	...	...	...
Miscellaneous Public Improvements	...	...	...	...	...	...
Establishment ... ..	...	...	...	...	...	...
Tools and Plant ... ..	...	...	...	...	...	...
Total, Famine Relief	...	...	...	...	...	...
47.—MILITARY WORKS.						
SPECIAL DEMANDS.						
Works	34,000	30,886	...	...	34,000	30,886
Establishment ... ..	...	...	...	...	...	(a)
Tools and Plant ... ..	...	...	...	...	...	(a)
Expense ... ..	...	...	...	...	...	...
Track Department	...	...	...	...	...	...
Expenditure in England	...	...	...	...	...	...
Total, Special Demands	34,000	30,886	...	...	34,000	30,886
ORDINARY DEMANDS.						
Works	34,199	29,281	64,730	64,084	98,929	93,365
Establishment ... ..	...	...	...	...	29,396	21,575
Tools and Plant ... ..	...	...	...	...	1,877	1,386
Expense ... ..	...	...	...	...	...	...
Track Department ... ..	...	...	...	...	883	926
Expenditure in England	...	...	...	...	...	...
Total, Ordinary Demands	34,199	29,281	64,730	64,084	1,31,085	1,17,252
Total, Military Works	68,199	60,167	64,730	64,084	1,65,085	(b) 1,48,138
Carried over	68,199	60,167	64,730	64,084	1,65,085	1,48,138

(a) Charges for Establishment and Tools and Plant are debited to the Military Works Grant "Ordinary Demands," vide Government of India, Army Department, letter No. 262 S, dated the 27th July 1909.

(b) Consequent on the amalgamation of Public Works Accounts with those of Civil, the accounts "Military Works" executed by Public Works Officers were rendered separately to the Examiner, Military Works Services.

STATEMENT B.

Statement of Imperial Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2	3	4	5	6	7	8
1st CIRCLE.							
Nil.							
2nd CIRCLE.							
Nil.							
3rd CIRCLE.							
Multan	D. G. Khan	5.05	1.87	...	94.75	5.05	96.62
	Total	5.05	1.87	...	94.75	5.05	96.62
TOTAL, IMPERIAL ROADS	...	5.05	1.87	...	94.75	5.05	96.62

STATEMENT B.—continued.

Statement of Provincial Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2	3	4	5	6	7	8
1ST CIRCLE.							
Rawalpindi	Rawalpindi	109.61	5.0	...	56.51	109.61	61.51
	Jhelum	31.59	...	...	39.53	31.59	39.53
	Gujrat	37.29	...	2.0	...	39.29	...
	Attock	37.55	...	19.45	138.09	57.0	138.09
	Total	216.04	5.0	21.45	234.13	237.49	239.13
Shahpur	Shahpur	6.24	2.28	26.30	25.41	32.54	27.69
	Mianwali	...	...	...	129.00	...	129.00
	Jhang	...	...	3.26	11.89	3.26	11.89
	Total	6.24	2.28	29.56	166.30	35.80	168.58
Lyallpur	Lyallpur	...	...	...	28.25	...	28.25
	Gujranwala	41.14	...	5.64	3.12	46.78	3.12
	Sialkote	22.44	...	2.25	29.00	24.69	29.00
	Total	63.58	...	7.89	60.37	71.47	60.37
	Total, 1st Circle	285.86	7.28	58.90	460.80	344.76	468.08
2ND CIRCLE.							
Ambala	Ambala	83.04	9.0	3.66	28.00	86.70	37.00
	Karnal	79.51	...	8.37	...	87.88	...
	Ludhiana	69.59	...	10.54	...	80.13	...
	Simla	7.00	15.80	...	...	7.00	15.80
	Total	239.14	24.80	22.57	28.00	261.71	52.80
	Carried over ...	239.14	24.80	22.57	28.00	261.71	52.80
		285.86	7.28	58.90	460.80	344.76	468.08

STATEMENT B.—continued.

Statement of Provincial Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.		Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2		3	4	5	6	7	8
2ND CIRCLE.—concl'd.								
	Brought ward	for-	285·86	7·28	58·90	460·80	344·76	468·08
			239·14	24·80	22·57	28·00	261·71	52·80
Delhi	Delhi	...	79·00	...	...	...	79·00	...
	Gurgaon	...	30·00	...	...	...	30·00	...
	Rohtak	...	0·56	...	10·57	27·21	11·13	27·21
	Hissar	...	...	...	6·26	89·0	6·26	89·0
	Total	...	109·56	...	16·83	116·21	126·39	116·21
Simla	Simla	...	57·38	269·56	...	...	57·38	269·56
	Total	...	57·38	269·56	...	...	57·38	269·56
	Total, 2nd Circle		406·08	294·36	39·40	144·21	445·48	438·57
3RD CIRCLE.								
1st Lahore	Lahore	...	87·81	...	2·20	16·00	90·01	16·00
	Total	...	87·81	...	2·20	16·00	90·01	16·00
	Carried over...		87·81	...	2·20	16·00	90·01	16·00
			691·94	301·64	98·30	605·01	790·24	906·65

STATEMENT B.—continued.

Statement of Provincial Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2	3	4	5	6	7	8
3rd Circle.—concl'd.	Brought forward ... }	691·94	301·64	98·30	605·01	790·24	906·65
		87·81	...	2·20	16·00	90·01	16·00
Multan ...	D. G. Khan ...	21·15	51·44	...	327·00	21·15	378·44
	Muzaffargarh ...	10·48	21·00	7·00	3·00	17·48	24·00
	Multan ...	13·21	1·70	...	...	13·21	1·70
	Total ...	44·84	74·14	7·00	330·00	51·84	404·14
Kangra ...	Kangra ...	76·65	313·62	...	...	76·65	313·62
	Total ...	76·65	313·62	...	...	76·65	313·62
Jullundur ...	Amritsar ...	44·69	...	1·50	16·50	46·19	16·50
	Gurdaspur ...	28·63	34·50	7·70	67·70	86·33	102·20
	Jullundur ...	65·98	...	...	...	65·98	...
	Hoshiarpur ...	9·27	28·41	4·37	...	13·64	28·41
	Total ...	148·57	62·91	13·57	84·20	162·14	147·11
2nd Lahore ...	Ferozepore ...	55·43	...	3·35	...	58·78	...
	Total ...	55·43	...	3·35	...	58·78	...
Total, 3rd Circle		413·30	450·67	26·12	430·20	439·42	880·87
TOTAL, PROVINCIAL ROADS.		1,105·24	752·31	124·42	1,035·21	1,229·66	1,787·52

STATEMENT B.—continued.

Statement of District Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2	3	4	5	6	7	8
1ST CIRCLE.							
Rawalpindi	Rawalpindi	...	...	15-00	829-00	15-00	829-00
	Jhelum	...	...	3-96	952-50	3-96	952-50
	Gujrat	...	...	10-74	662-00	10-74	662-00
	Attock	...	...	21-60	604-40	21-60	604-40
	Total	...	...	51-30	3,047-90	51-30	3,047-90
Shahpur	Shahpur	...	...	49-11	1,045-70	49-11	1,045-70
	Mianwali	...	...	2-00	500-00	2-00	500-00
	Jhang	...	...	10-07	718-25	10-07	718-25
	Total	...	...	61-18	2,263-95	61-18	2,263-95
Lyallpur	Lyallpur	...	...	81-89	993-50	81-89	993-50
	Gujranwala	...	...	122-10	1,437-99	122-10	1,437-99
	Sialkote	...	...	68-00	737-75	68-00	737-75
	Total	...	...	271-99	3,169-24	271-99	3,169-24
Total, 1st Circle		...	...	384-47	8,481-09	384-47	8,481-09
Carried over		...	...	384-47	8,481-09	384-47	8,481-09

STATEMENT B.—continued.

Statement of District Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.
1	2	3	4	5	6	7	8
	Brought forward	...	...	384.47	8,481.09	384.47	8,481.09
2ND CIRCLE.							
Ambala	Ambala	...	...	82.09	302.69	82.09	302.69
	Karnal	...	...	85.22	684.00	85.22	684.00
	Ludhiana	...	...	116.14	192.72	116.14	192.72
	Total	...	...	283.45	1,179.41	283.45	1,179.41
Delhi	Delhi	...	...	73.45	275.95	73.45	275.95
	Gurgaon	...	...	118.00	437.00	118.00	437.00
	Rohtak	...	...	127.50	515.00	127.50	515.00
	Hissar	...	...	20.00	860.12	20.00	860.12
	Total	...	...	338.95	2,088.07	338.95	2,088.07
Simla	Simla	...	...	...	17.00	...	17.00
	Total	...	...	...	17.00	...	17.00
	Total, 2nd Circle	...	...	622.40	3,284.48	622.40	3,284.48
3RD CIRCLE.							
Lahore	Lahore	...	...	37.99	608.75	37.99	608.75
	Total	...	...	37.99	608.75	37.99	608.75
	Carried over...	...	...	37.99	608.75	37.99	608.75
		...	...	1,006.87	11,765.57	1,006.87	11,765.57

STATEMENT B.—concluded.

Statement of District Roads in the Punjab, not within Municipal boundaries, maintained by the Public Works and Local Authorities, respectively, during 1911-12.

Name of of Division.	Name of District.	Length of metalled roads maintained by the P. W. D.	Length of unmetalled roads maintained by the P. W. D.	Length of metalled roads maintained by the Local Authorities.	Length of unmetalled roads maintained by the Local Authorities.	Total metalled roads.	Total unmetalled roads.	
1	2	3	4	5	6	7	8	
3RD CIRCLE.—concl'd.	Brought forward.	...	...	1,006·87	4,765·57	1,006·87	11,765·57
	Jullundur ...	Amritsar	69·39	290·44	69·39	290·44
		Jullundur	115·00	317·75	115·00	317·75
		Gurdaspur	32·83	519·60	32·83	519·60
		Hoshiarpur	11·80	708·50	11·80	708·50
		Total	229·02	1,836·29	229·02	1,836·29
Multan ...	D. G. Khan ...	...	...	0·15	210·00	0·15	210·00
	Muzaffargarh...	...	...	17·77	751·36	17·77	761·86
	Multan ...	...	...	29·06	1,197·36	29·06	1,197·86
	Montgomery ...	...	...	6·00	1,070·00	6·00	1,070·00
		Total	52·98	3,228·72	52·98	3,228·72
Kangra ...	Kangra ...	...	...	...	710·0	...	710·0
	Total ...	...	...	...	710·0	...	710·0
2nd Lahore ...	Ferozepore ...	...	...	57·91	823·65	57·91	823·65
	Total ...	...	...	57·91	823·65	57·91	823·65
	Total, 3rd Circle	...	...	377·90	7,207·41	377·90	7,207·41
	TOTAL, DISTRICT ROADS.	...	...	1,384·77	18,972·98	1,384·77	18,972·98

