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MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

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ADMINISTRATION REPORT

OF
PUBLIC WORKS

IN THE

MADRAS PRESIDENCY

FOR THE YEAR 1866-67.

1. Inclusive of private contributions, the allotment and outlay on Public Works from Imperial Funds during the eleven months ended 31st March 1867 amounted to Rupees 64,70,723 and 2,04,063 respectively, distributed as follows:—

	Allotment. RS.	Expenditure. RS.
New Works	25,82,088	25,29,617
Repairs	21,6	21,08,438
Tools and Plant	1,59,102	88,414
Establishments	15,64,239	14,77,537

Expenditure compared with allotment with previous year's outlay.

2. Excluding advances to Civil Officers, the expenditure on works was Rupees 1,09,327 less than the allotment and Rupees 1,92,833 in excess of the outlay in the preceding official year, the entire grant for which fell short of that for 1866-67 by Rupees 1,75,165.

Rates of labour.

3. Owing chiefly to the high prices of the common necessities of life, rates of labour were on the increase in Tanjore, Madure, and Tinnevely Districts and in Bangalore.

Statements of expenditure, &c., given in Appendix.

4. Detailed Statements will be found in the Appendix of the expenditure in each district, and of the outlay as compared with the estimates and allotments on the more important works.

Progress made on important works.

which were under execution, and regarding the progress of which a few particulars will now be given.

MILITARY.

Military Buildings in Bellary.

5. Four Wash-houses were built for the Regiment at Bellary, and six others were under construction, at a total outlay of Rupees 21,295. A Collar-maker's and Carpenter's Workshop and a Blacksmith's Forge were in progress, and Rupees 6,830 were spent in raising the walls of the buildings to a height of ten feet and in preparing the wood-work. School-rooms and places of Worship for Protestants and Roman Catholics were in course of erection, and would have been completed during the year, under an outlay of Rupees 12,095, but for difficulties which were experienced in procuring the iron and wood-work, and the granite stones for the flooring. An expenditure of Rupees 34,192 was incurred in constructing a set of Rifle ranges, in providing quarters for the Hospital Serjeant and for the Non-Commissioned Officers and married men of the Artillery, and in altering and improving the Artillery Barracks and subsidiary buildings. An Armourer's shop for European Infantry at Bellary; and a building for the performance of Divine Worship at Ramandroog were almost completed during the

Church at Ramandroog.

year with an aggregate outlay of Rupees 7,282.

Solitary Cells in Fort Saint George. 6. A sum of Rs. 15,000 was appropriated for the completion of twelve additional Solitary Cells, with an association-room, for the Regiment in Fort Saint George.

Horse Artillery Lines at Saint Thomas' Mount. 7. With the exception of the expense of the Artillery Lines at Saint Thomas' Mount which is in progress, the whole of the additions and alterations to the Artillery Lines at Saint Thomas' Mount were finished with an outlay during the year of Rupees 4,002.

Race Course Barracks at Bangalore. 8. Considerable progress was made with the construction of the new Barracks on the Race Course at Bangalore for the accommodation of a Regiment of Cavalry and of two Batteries of Artillery. An Orderly-room, two Magazines, a double Skittle Alley and two Bowling Alleys were erected, and quarters were provided for a School Master and Mistress and for nine Non-Commissioned Officers. The walls of the Male and Female Hospitals were raised to nearly the full height of the lower stories, and the separate wards and administrative rooms were about one-third finished. The Cavalry stables will probably be completed about the end of July. The masonry of one block of quarters for the married men of the Artillery and the basements of three others were nearly finished, and the Artillery Gun-sheds, Sick-stables and other minor buildings were placed in a forward state. The total expenditure during the year was Rupees 1,67,939.

Infantry Barracks at Bangalore. 9. A sum of Rupees 48,299 was appropriated to the addition of three blocks to the old Cavalry Barracks at Bangalore for the accommodation of a Regiment of Infantry. One of these blocks was completed, and the other two will be ready for occupation by the end of July.

Water Supply project at Bangalore. 10. In connection with the Ulsoor Water Project, a sum of Rupees 13,472 was laid out in completing the Engine-house, the masonry of the filter, and three sides of the pure water basin, and in commencing the laying down of the filtering media.

Artillery Barracks at Cannanore. 11. The new Artillery Barracks at Cannanore, upon which Rupees 46,133 were laid out, progressed so well that the required accommodation for married men and one-half of that for single men will be ready for occupation before the monsoon of 1867.

Married quarters at Cannanore. 12. The Infantry married quarters at Cannanore, Calicut and Malliappooram, were nearly completed with an outlay of Rupees 13,625.

Buildings for the Commissariat Department at Madras, Bangalore and Cannanore. 13. The alterations and additions to the criminal side of the Grand Jail at Madras, to adapt it as a Commissariat Store, were almost finished, and good progress was made in carrying out the sanctioned alterations to the Commissariat Arrack and Porter depot. The outlay on these works amounted to Rupees 16,150 and 15,506 respectively. The buildings for a Sooje Mill and Bakery at Madras, upon which Rupees 15,000 were laid out in 1865-66, were successfully completed during the year with a further outlay of Rupees 17,806, and Rupees 7,745 were spent in providing a bullock-shed and quarters for the Staff Serjeant in charge. The walls of the Commissariat Bakery at

Bangalore, upon which Rupees 20,715 were expended, were raised to a height of 14 feet, and the foundations of the new Commissariat Office at Cannanore were laid at an expense of Rupees 5,080.

Buildings for the Ordnance Department at Bellary, Madras, Saint Thomas' Mount and Cannanore. 14. Rupees 4,334 were applied to the construction of a shed for the accommodation of sick carts attached to

the Arsenal at Bellary. Quarters were under provision for the Overseers attached to the Gun Powder Manufactory at Madras. Rupees 12,500 were expended upon the buildings during the year, and it is expected that they will be completed by the end of August next. The erection of six blocks of Family Quarters for the Warrant Officers of the Ordnance Department serving in Fort Saint George was taken in hand, and Rupees 5,000 were spent in raising the walls to a height of ten feet and in fixing the door and window frames. At Saint Thomas' Mount, an outlay of Rupees 21,235 was incurred on the construction of a Reserve Powder Magazine which is approaching completion. The foundations of the Grand Powder Magazine at Cannanore were laid at an expense of Rupees 11,284.

Lawrence Asylum at Ootacamund. 15. A sum of Rupees 1,33,970 was appropriated to the Lawrence Asylum buildings at Ootacamund. The Hospital was completed, and a few huts were provided for the Police engaged in guarding the convicts employed on the works.

CIVIL BUILDINGS.

Jail at Berhampore. 16. Certain additions, consisting of a Hospital, Civil Debtors' Ward, Solitary Cells, &c., were ordered to be made to the Jail at Berhampore. About one-third of these additions was completed at an outlay of Rupees 3,249. In connection with the new District Jail

Jail at Vizagapatam. at Vizagapatam, Rupees 19,497 were spent in finishing six radial blocks and the Jailer's quarters, and in building the enclosure wall and the walls of the Female Ward, Hospital, Guard-rooms, and Solitary Cells. Rupees 26,618 were appropriated to the improvement and enlargement of the Jails at Guntoor, Bellary, Salem, Cuddalore and Trichinopoly. The enclosure walls of the new District Jail

Jail at Calicut. at Calicut, to which Rupees 19,638 were appropriated, were completed, and the foundations of two of the ranges of wards were laid. A District Jail at Madura was under construction, and the outlay during the year amounted to Rupees 34,999. One-half of the length of the enclosure wall was raised to the full height of 16 feet, and the remainder to a height of 9½ feet. The foundations of the radial blocks, Hospital, Office, Store-room and Jailer's quarters, were built up to the basement level, and the walls of the latrines to a height of 4 feet.

New Central Jail at Rajahmundry. 17. The outlay on the new Central Jail at Rajahmundry amounted to Rupees 33,344. The works which are now completed are five radial blocks, four workshops, four towers, central warder, Jailer's quarters, a portion of the enclosure wall, inner palisade, partition walls, a large well and temporary latrines. Two ranges of

solitary and women's cells and other works are in course of erection. A sum of -

New Central Jail at Vellore.

Rupees 19,987 was laid out on the new Central Jail at Vellore in the excavation of the foundations of the exterior walls, the provision of huts for the convicts proposed to be employed on the works, and the purchase and manufacture of materials. In connection with the new Central Jail at

New Central Jail at Trichinopoly.

Trichinopoly, Rupees 15,048 were spent in erecting the enclosure wall and providing temporary accommodation for one hundred convicts. The new Central Jail at Coimbatore, upon which Rupees 75,213 were expended, was fitted for the reception of about 800 prisoners, and its entire completion may be looked for by the 30th June next. A temporary Jail for 300 prisoners on the site of the new Central Jail at Cannanore was completed in February last, when the construction of the surrounding walls of the permanent Jail was taken in hand. The outlay on these works amounted to Rupees 20,236.

New Central Jail at Cannanore.

Penitentiary at Madras.

18. A sum of Rupees 24,341 was appropriated to the extension of the enclosure wall of the Penitentiary at Madras, the enlargement of the Jailer's quarters, the drainage of the compound, and the provision of good water from the "Seven Wells" by means of branch pipes.

Small Cause, &c., Courts at Madura.

19. An expenditure of Rs. 9,799 was incurred in the construction of a Small Cause and Principal Sudder Ameen's Court House at Madura. The walls of the lower story were built to their full height.

Talook Cutcheries at Ongole, Hospett, Pullampett and Koilkootla.

20. A sum of Rupees 1,853 was appropriated to the construction of a Talook Cutcherry at Ongole, which is now very nearly finished. The re-roofing of the Talook Cutcherry at Hospett, and the construction of a similar building at Pullampett, were completed with an outlay during the year of Rupees 3,691; and Rupees 1,931 were laid out in the collection of materials for the proposed Tahsildar's Cutcherry at Koilkootla.

Salt Pans at Tranquebar.

21. The improvements to the new Salt Pans at Tranquebar, which were in progress in 1865-66, were completed with a further outlay of Rupees 2,152; and Rupees 1,452 were appropriated to the formation of an approach to the platform.

General Hospital at Madras.

22. In connection with the General Hospital at Madras, Rupees 24,359 were applied to the construction of four new latrines and lavatories, a cook-room and dead-house, draining and railing in the compound, laying out flower gardens, and providing pipes for the supply of water from the "Seven Wells."

Lunatic Asylum at Madras.

23. Operations on the new Lunatic Asylum, upon which Rupees 20,028 were expended, were confined to the collection of materials, the formation of roads, and the alteration of the bungalow intended for the residence of the Superintendent.

Foundry at Chepauk.

24. An Iron and Brass Foundry was built in connection with the Public

Works Workshop at Madras at a cost of Rupees 28,530, of which Rupees 22,530 were spent in 1866-67.

New Church at Ootacamund.

25. The building of a new Church at Ootacamund was commenced, and Rupees 15,000 were spent on the foundations and in preparing materials.

AGRICULTURAL.

Godavery, Kasaveram, Manimootha Naddy and Lower Coleroon Anicuts.

26. At the Godavery Anicut, Rupees 50,006 were spent in raising and re-covering the crest with cut-stone and in laying down an additional rough stone apron. The aprons of the Kasaveram anicut were strengthened, and the body wall was raised with a new granite stone coping at an outlay of Rupees 4,560. A sum of Rupees 1,600 was appropriated to the construction of an anicut across the Manimootha Naddy river. That dam was built four feet above the foundations, and materials were being collected for the completion of the work. Rupees 50,025 were applied to the reconstruction of the Lower Coleroon Anicut, the body of which, as well as the piers of the bridge over the anicut and three arches, were completed. The centering of a fourth arch was set up, and the retaining wall and apron of the anicut were finished for a distance of 153 feet.

KISTNA.—Commamoor Channel.

27. The entire length of the Commamoor Channel, on which the year's expenditure amounted to Rupees 24,117, was excavated and the outlets completed. The drainage of the Rampairoo swamp was carried out, to part width, for $7\frac{1}{2}$ miles; the escape calingulah at Moolapollem was commenced, and, with a large portion of the drain which leads from it to the Nizampatam creek, will, it is believed, be completed before the rains. Work upon the channel from Wallabapooram to

Western Bank Channel.

tide-water progressed satisfactorily, four calingulahs having been completed, and the widening of the channel between its head and Kollloor carried on to a considerable extent with an outlay of Rupees 13,793. The widening of the lower portion of the Pollairu, upon which an expenditure of Rupees 12,492 was

Pollairu Channel.

incurred, is approaching completion, all that now remains to be done being the excavation of the Polraz Codu to full width for about 1,000 yards, and the construction of two calingulahs in the Buntumilly channel. In connection with the project for enlarging the head of the

Sectanagaram Channel.

Main Channel from Sectanagaram to Doogarallah, Rupees 18,555 were expended during the year. The increase in the discharge of the channel is greatly augmented, but much remains to be done before the full benefits expected from the work can be obtained. The materials for the construction of a first class lock at

Lock at Doogarallah.

excavation of the foundations was nearly completed at a cost of Rupees 13,734.

NELLORE.—Nellore Tank.

28. The improvement of the Nellore Tank was continued upon an estimate of Rupees 17,100, of which Rupees 5,790 were spent in 1866-67 in finishing the rough

River embankments east and west of Nellore. stone revetment. The river embankment east of Nellore was completed, and that to the west was vigorously carried on with an aggregate expenditure of Rupees 8,770. The banks are now reported to be safe in case of floods.

MADRAS DISTRICT.—Madras Water Supply project. 29. In connection with the Madras Water Supply project, Rupees 61,683 were expended in excavating the channel in various parts. The masonry works are under execution by contract.

NORTH ARCOT.—Cheyaur Channel.

30. The widening of the Cheyaur channel was completed at an expense of Rupees 35,361, of which Rupees 19,775 represent the expenditure in 1866-67.

TRICHINOPOLY.—Sluices on the banks of the Coleroon and for the Weyacandan channel.

31. Seven surplus sluices were constructed on the north, and five on the south, bank of the Coleroon, and materials were under collection for the proposed under-sluice of the Weyacandan channel, the foundations of which were completed. The aggregate outlay on these works was Rupees 13,773.

TANJORE.—Improving the head of the Vadavaur.

32. The improvement of the head of the Vadavaur was completed at a total outlay of Rupees 5,184, of which Rupees 3,284 was the actual expenditure in 1866-67.

COMMUNICATIONS.

Roads in Ganjam.

33. Several masonry works and 16½ miles of earth-work of the road from Aska to Pippulpunka were completed, and nine miles were metalled and gravelled at an outlay of Rupees 9,999. A sum of Rupees 13,016 was spent on the construction of the road from Aska to Russelcondah and from Bullepudra to Kurchooly. With the exception of two large bridges which are in progress, the road from Aska to Ganjam was completed at an expenditure of Rupees 51,622, of which Rupees 1,032 was the outlay in 1866-67. Rupees 15,209 were laid out in the excavation of a canal from the Chilka lake to Ganjam. The earth-work of 27 miles and the metalling of other portions of the road from Vizagapatam to Casseporc, as also a large number of masonry works, were finished at an expenditure of Rupees 14,642. In connection with the road from Vizianagram to Bowdara, an outlay of Rupees 4,309 was incurred in finishing the earth-work of 18 miles, gravelling and metalling 16 others, and constructing numerous bridges and minor masonry works. Favourable progress was made with the project for the cross drainage of the Ellore high level canal in the Godavery District, Rupees 26,927 having been spent in completing the sub-passage of five vents in the Ellore aqueduct with locks and tail race, as well as a large inlet and outlet for the east branch of the Toomelair, and two outlets at the 27th and 31st miles. Rupees 25,687 were laid out on the iron girder bridge at Cocanada in screwing down 15 piles and fixing the girders for one bay.

Roads in Vizagapatam.

Ellore high level canal, and iron girder bridge at Cocanada, in the Godavery District.

Roads in the Nellore District.

34. The earth-work of the road embankment across the Musanur valley was nearly finished; the Musanur and Pullavagu bridges were completed, and the construction of another bridge and of a viaduct was on hand with an expenditure of Rupees 18,742. The bridge across the Pydaru on Trunk Road No. 6, to which Rupees 8,600 were appropriated, was raised to the springing line, two arches were turned and the third was well advanced. The Ongole and Kotapatam road was completed throughout during the year with an outlay of Rupees 5,624.

Roads in Cuddapah and Bellary.

35. Rupees 1,931 were expended in completing the road from Nundalore to the Nundalore Railway Station, and an outlay of Rupees 8,250 was incurred on the line from Bellary to Cuddapah in the construction of eight road-dams, three tunnels, and three culverts, and in the execution of a large quantity of earth-work, gravelling and metalling.

Roads in Cuddapah and Kurnool.

36. Good progress was made with the road from Cuddapah to Nundial, on which the outlay during the year amounted to Rupees 18,843. Twelve road-dams and some minor masonry works were finished, the foundations of six other road-dams were laid, 3,411 running yards of road were metalled and gravelled, and 7,833 cubic yards of earth-work completed.

Bridge over the Coom Bar at the Presidency.

37. The construction of a bridge over the Coom bar at the Presidency was commenced, and Rupees 31,772 were spent from Income Tax Funds in the sinking of wells for the south abutment and in the collection of materials.

Roads in Madras and North Arcot.

38. In the Madras and North Arcot Districts, the roads from Teroomooshe to Koratoor; from Triputtu to Calastry; from Vencatagherry to Yarecepett, and from Calastry to Naidoopett were in progress from Income Tax Funds, Rupees 31,087 having been spent from that source during the year 1866-67. The first of these lines will, it is expected, be finished by the end of the current official year; seven and a quarter miles of the second line were completed and opened for traffic; on the third and fourth the jungle was cleared and side-channels opened, and materials for metalling and masonry works were under collection.

Roads in Salem.

39. The roads from Oosoor to the Malloor Railway Station and from Taralumungalum to the Sooramungalum Railway Station were finished during the year with an outlay of Rupees 3,959. The line from Devatiputtu to the Ahtoor Railway Station was marked out, seven tunnels were built, and the raised portions of the road were almost completed at an expense of Rupees 2,336. Nine miles of the cart track between Palakode and the Morapur Railway Station were formed with an expenditure from Income Tax Funds of Rupees 1,970.

Roads in the Tanjore District.

40. The road from the town of Kevalore to the Kevalore Railway Station was completed, and material was under collection for the unfinished half mile of the Railway feeder from Nagore to Negapatam. The outlay on these two lines was Rupees 1,509.

Canals in the Tanjore District.

41. The junction canal from Negapatam to Teroopoondy was completed

with an outlay during the year of Rupees 3,599, and Rupees 4,922 were spent on the canal from Teroopoondy to Vadarniem in excavations between Cadoovayaur and Vellyaur, and in the construction of the necessary masonry works.

Roads in Trichinopoly.

42. The most important roads under construction in the Trichinopoly District were those from the town of Trichinopoly to Arealore and Wodiarpoliem and to the Salem boundary, upon which the aggregate expenditure amounted to Rs. 16,592. These lines are respectively 50 and 42 miles in length, of which 16 of the former and nearly 32 of the latter were completed during the year.

Roads in Coimbatore.

43. The upper 4½ (out of 16) miles of the new Coonoor ghaut were opened to cart traffic, and good progress was made with the lower four miles. No portion of the Goodaloor ghaut has yet been opened, but the year's allotment was well spent in completing the trace and in removing large quantities of earth and rock, and constructing several masonry works. Of the road from the head of the Goodaloor ghaut to Ootacamund, ten out of twenty miles were fully completed. On the new Burghoor ghaut, work was carried on for a distance of eight miles from the foot of the southern ghaut to Thamarakaray, but on account of the rocky nature of the line, the road is not quite open for cart traffic. Two out of the twelve miles of the new road connecting Kotagherry with Wellington, Coonoor, and the Coonoor ghaut, were completed, and the whole of the remaining portion re-traced and partially cut to widths varying from three to twelve feet. The aggregate outlay on these works amounted to Rupees 93,924.

Roads in Malabar.

44. The road and bridge-work below the Karkoor ghaut progressed but slowly owing to the unusual prevalence of fever which dispersed the workmen. The portion between the foot of the ghaut and Mambat was, however, metalled, and several bridges were either completed or in progress at an outlay of Rupees 17,973. The whole of the Tambracherry ghaut, upon which Rupees 20,000 were spent, was opened to bridle-path, and it is expected that, before the next monsoon, the road will be available for cart traffic as far as the junction between the old and new ghauts. On the completion of the Koonuth and Kalpatty bridges and some minor masonry works which are now in rapid progress, the line between Luckady and Kalpatty, to which Rupees 17,896 were appropriated, will be an excellent cart road. Operations on the road between Kalpatty and Sultan's Battery were much retarded owing to want of labour, the only work executed during the year being the completion of one and a half miles of road connecting the Kalpatty bridge with the Chalapoya bazaar at a cost of Rupees 782. In connection with the line from Sultan's Battery to the Mysore frontier, Rupees 6,726 were spent in clearing jungle, raising embankments and preparing materials for minor masonry works. Several bridges were built on the Terriote road, and others were in course of erection during the year, the outlay in which amounted to Rupees 26,156. Five miles of the Carcoor ghaut, upon which Rupees 15,928 were laid out, were widened to a width of six yards, and three were being widened to a width of seven yards. Catch-drains were excavated for a distance of 9½ miles, and 47 road-dams were completed. A sum of Rupees 19,720 was spent in completing the road from the Carcoor ghaut to Tippacaudoo, which is now open for traffic throughout its entire length. On the new Periah ghaut, an outlay of Rupees 27,460 was incurred in blasting rock, constructing revetments, and completing the earth-work along its entire length, and

it is believed that the road will be open to a width of twelve feet before the monsoon.

Roads in Canara.

The road between Panimangalore and Hosdroog having been made available for dry weather cart traffic during 1865-66, the construction of the larger bridges on the line was undertaken, and Rupees 15,128 were spent during the year under review.

Roads in Madura.

45. The bridge across the Shunmooganadee river, on which Rs. 10,960 were spent, was finished throughout with the exception of a portion of the plastering. In connection with the line from Tirumungalum to the Coimbatore boundary, Rupees 13,335 were appropriated to the completion of nine miles of road, and to the construction of two small bridges and other masonry works. Rupees 18,457 were laid out on the line from Palamcottah to Tuticorin in forming the roadway from the 19th to the end of the 23rd mile, and in building one of the abutments and five of the piers of a bridge on the 24th mile. Fair progress was made with the road from Madura to the Travancore country, Rupees 8,345 having been spent in metalling 8½ miles and constructing 15 road-dams.

Roads in Tinnevely.

MISCELLANEOUS PUBLIC IMPROVEMENT.

Good-water channels and conduits in the Kistna District.

46. The good-water channel from Sultanagram bridge to Robertson's pettah was completed, and Rupees 10,559 were expended on that work and on the extension of good-water conduits in the town of Masulipatam.

Paumbem channel in the Madura District.

47. The operation of cutting the inner angle of the reef channel at Paumbem continued in progress, and an outlay of Rupees 2,632 was incurred in blasting 9,195 cubic feet of stone and removing 29,267 cubic feet of silt, gravel, &c.

REPAIRS.

Outlay on Repairs.

48. Under this head, a total expenditure of Rupees 21,08,438 was incurred in keeping in repair 1,027 Military buildings, 479 Civil buildings, 674 channels, 1,467 tanks, 55 calingulahs, 52 sluices, 527 dykes, 58 anicuts, 7 locks, 64 drainages, 4 irrigation dams, 8,132 miles of road or canal, and 179 bridges, tunnels, and road-dams. The following were the principal repairs executed during the year:—

		RS.
Godavery	Godavery anicut	12,682
	Dredging Cocanada river bar	5,354
	Godavery river banks	30,370
Kistna	Masulipatam canal and minor branches	16,191
	Ellore canal do. do.	9,261
	Poollairu do. do.	7,939
	Nizampatam do. do.	6,627
Bellary	Commamoor do. do.	7,489
	Coragal anicut	3,772
Tinnevely	Toongabuddra channels	14,841
	Canadien channels	3,895

WORKSHOPS.

Operations of Workshops.

49. The operations of the Workshop at Paumbem were confined to the repair of hand-dredges, canoes, boats, &c. The Workshops at Bezwarah and Nellore were engaged chiefly on the current work of those Districts. In the Dowlaiswaram Factory, the out-turn is estimated at Rupees 1,10,015, of which Rupees 5,830 represent the value of work executed for private parties.

LOCAL FUNDS.

Expenditure from Local Funds.

50. The total allotment and outlay by Officers of the Public Works Department from Local Funds of all descriptions were Rupees 9,95,738 and 8,42,091 respectively, as follows:—

	Allotment.	Expenditure.
	RS.	RS.
New Works...	6,97,308	
Repairs ...	2,22,327	7,53,901
Tools and Plant...	550	732
Establishments ...	75,553	87,458
Total...	9,95,738	8,42,091

51. A Statement showing the principal works which were on hand and the progress made upon each is given in the Appendix.

Statement showing the principal works which were undertaken from the District Road, Educational and Port Funds by Officers of the Public Works Department during the year 1866-67.

District.	Work.	Expenditure in 1866-67.	Remarks.
		RS.	
Ganjam ...	Road from Jaggannathpoor to Poorooshottapoor ...	2,831	Nearly completed.
Do. ...	Anglo-Vernacular School at Chicacole ...	1,410	Completed.
Do. ...	Zillah School at Berhampore ...	1,563	Work in progress.
Vizagapatam...	Branch road from Narsipatam to Thallapollem ...	3,540	Three miles of road formed, and 6 small bridges built.
Do. ...	Talook School at Cassimcottah...	573	Completed
Do. ...	Normal School at Vizagapatam...	656	Re-plastering to verandah roof in progress.
Do. ...	Anglo-Vernacular School at Bimlipatam ...	2,309	Walls plastered, and cut-stone flooring in progress.
Godavery ...	Road from Cocanada to Samulcottah ...	2,711	Completed.
Do. ...	Do. from Penugudru to Jaggannathpoor ...	2,217	Do.
Do. ...	Do. from Tanuku, via Duvah, to Pruttipad ...	7,057	Earth-work finished from Perivelly to Duvah. Two bridges and 8 tunnels completed, and 2 other bridges nearly so.
Do. ...	Do. from Siddamtam to Martair.	2,996	Earth-work completed, 1 bridge and 10 tunnels constructed, and 2 other tunnels in progress.
Do. ...	Do. from Nursapur to Veeravasarum ...	5,847	Earth-work nearly completed, 5 tunnels built, and 1 in progress.
Do. ...	Do. from Palcole to Doddeputla.	7,865	Earth-work finished. Graveling through Palcole town completed, 5 tunnels built, and 1 bridge in progress.
Do. ...	Do. from Ambajeeputta to Amalapoor ...	355	Completed.
Do. ...	Do. from Ellore to Chintala-poody ...	8,326	Earth-work completed as far as Veziany, 6 culverts built, and 4 in progress.
Do. ...	Do. from Pungidy to Needathavole ...	6,079	Completed.
Kistna ...	Do. from Jagerlamooty to Tenally	691	Two tunnels built, and a considerable quantity of gravel spread.
Do. ...	Do. from Ponnar to Guntoor ...	2,744	Earthen embankment completed, and two tunnels built.
Do. ...	Coast road from Vellatoor to Sandole ...	1,118	3 miles completed.
Do. ...	Constructing road from Jaggiahpetta to join the Hyderabad road at Chillacullu ...	1,620	Completed.
Nellore ...	Allur and Iskapalli road ...	1,700	4½ miles completed, and 19 tunnels built.
Do. ...	Sungum and Kaligerry road ...	1,783	Two tunnels, one road dam, and 8 miles of road completed.
Do. ...	Kanegherri, Kundukur, and Oolapollem road to the beach...	4,083	The embankments on the 1st and 6th miles finished, and the graveling in progress. The other portion of the road as well as 4 road dams and 2 tunnels completed.
Cuddapah ...	Road from Poddatoor, via Maidicoor, to Nundialempett ...	1,440	1,100 yards of earth-work completed, and 5 tunnels and 1 road dam built.
Do. ...	Do. from Cuddapah towards Pulivendla ...	1,904	2,939 running yards of road metalled, gravelled, and tamped.
Kurnool ...	Constructing a road from Nundicotkoor to Bairlooty ...	4,520	4 miles of road made.
Do. ...	Do. from Cumbum to Markapoor.	2,880	3½ miles opened out with side-channels, and 1½ miles metalled and gravelled.

Statement showing the principal works, &c.—(Continued.)

District.	Work.	Expenditure in 1866-67.	Remarks.
Bellary	Constructing a road from Raidroog to Koodair	RS.	
Do.	Dharwar road from Gowrypoor to Mysore frontier near Hurryhur.	2,204	2½ miles of road made, and twenty miles repaired.
Presidency	Making certain alterations and improvements to the Medical College	2,956	10 miles of road repaired, 600 yards gravelled, and a large road dam built.
Do.	Erecting a new Presidency College at Chempauk	19,300	Completed.
Madras	New road and landing wharf near Pugh's gardens at the Adyar	63,182	Walls raised throughout to the level of the top of the plinth.
Do.	Deepening the Sadras Canal from Covelong to the Palar	4,390	Completed.
North Arcot	Road from Old Arcot to Teruvettoor	13,642	Do.
Do.	Road from Kunnammugalum to Polur	2,831	Road made for about 4 miles.
Do.	Road from Polur to Wandiwash	3,245	In progress.
South Arcot	Constructing a bridge of 1 arch of 32 feet span over the Trivady Main Channel on the road from Paloor to Trivady	2,464	Do.
Do.	Road from Chendoor to Vellimode	2,897	Completed.
Do.	Improving the road from Virdachellum to Shatiatope	5,280	Road opened for traffic and 11 tunnels built.
Salem	Constructing a road from Trichengode to Kaleeputtee	2,825	Channels cut, sand carted and road, and ruts levelled.
Do.	Road from Comaramungalum to Andaloor	600	5½ miles of road formed.
Do.	Do. from Yedayar to main line between Veyloor and Mooganoor	2,400	15½ do.
Trichinopoly	Constructing road from Manapara to Coolitalay	2,514	1½ miles of road formed, and 4 tunnels and 5 sluices completed.
Do.	Bandy road from Trichinopoly to Allitoray	2,003	3 miles of road formed, 2 tunnels and 1 road dam in progress.
Do.	Do. from Lalgoody to Chengaroor	4,663	Completed.
Do.	Bridge over the Wyacondan	7,910	Completed, with the exception of sectioning and gravelling.
Coimbatore	Market shed at Coonoor	2,475	Completed.
Do.	Coonoor Ghaut to Kotagherry	3,172	Do.
Malabar	Road from Cherikal via Veluth Iruku Perumparamba (Trunk Road No. 4) and Keparamba to the Coorg boundary	10,032	41,324 cubic yards of earth-work; 1,249 cubic yards of revetment; 1,425 cubic yards of check drains; 150 cubic feet of bridge work and 29 drains completed, 94 covering stones collected and 2,382 yards of rock bored.
Do.	Road from Quilandy, via Ulleri, to Tambracherry	4,950	One bridge completed and another commenced, a large quantity of jungle cleared; 700 running yards of bridle-path opened out, and the erection of a bungalow at Peramparamba commenced.
Do.	Road from Pudiengady, via Edacad, Kokatri bridge, to Kokaaloor Amshum	10,639	Earth-work nearly completed, and abutments of one bridge partly finished.
Do.	Do. from Tambracherry to Arcacode	3,298	Road work in progress across paddy fields.
Do.	Road from Munjeri, via Pandecoad and Melatur, to 2 miles west of Manar on the Mundoor road	5,248	Do.
		4,817	A large quantity of earth-work completed, and 6 tunnels built.

Statement showing the principal works, &c.—(Concluded.)

District.	Work.	Expenditure in 1866-67.	Remarks.
Malabar.— (Concluded.)	Road from Wanoor, via Padecad, to Angadipuram	RS. 8,519	6 miles of road reformed, 3 embankments metalled, and 11 tunnels constructed.
Do.	Chittacadavoo bridge	2,668	Abutments nearly completed.
Do.	Bridges on road from Munjeri and Mallapuram road, via Annacoyam, to Angadipuram	2,579	Completed.
Do.	Bridge on the road from Palghaut, via Poo loonagaram, to Kallengode	7,823	Work completed with the exception of the joisting of one bay and the planking of two others.
Do.	Road from Tirtallah, via Kutnaad, to Chowghaut	4,086	Completed.
Do.	Tuta Bridge	7,062	Wing-walls, abutments and piers, and southern approach completed, and fair progress made with the timber work.
Do.	Normal School at Cannanore	6,839	Main walls raised 13½ feet, 2 main arches built, and a supply of materials collected.
Do.	Constructing Light-house, Store-room and Attendant's quarters at Cochin	6,443	Pedestal, 3 landing places and Attendant's quarters, with Store-rooms completed. Lower portion of Lightning Conductors fixed, and good progress made with the shaft.
Do.	Road (or new trace) from Manantoddy to Coorg frontier	6,246	Four miles of the new trace widened out and made passable for carts.
South Canara	Improving Moodbidri and Beltangady road	1,455	17½ miles completed.
Do.	Road from Poottoor by Vitla to Munjeshwar	2,124	Bridle-path completed, and 1½ miles opened out to a breadth of 4 yards.
Do.	Provincial School at Mangalore	8,507	23,348 cubic feet of earth-work; 24,000 cubic feet of laterite in chunam; 676 running feet of cordon work; 27 cubic feet of arch work and 953 cubic feet of earth terraces completed, 33 doors and shutters, 9,788 cubic feet of laterite and 17,400 tiles at site.
Do.	Extension of the quay at Mangalore	11,821	41,208 cubic feet of earth and sand work; 2,301 cubic feet of rough stone work; 1,730 cubic yards of clay, backing to do. with 150 running feet of of laterite coping, 750 square feet of laterite pavement and 1,070 cubic feet of laterite in clay completed.
Madura	Bridge over the Munjelaur	2,000	Abutments and piers built up to the springing line.
Do.	Do. over the Venkatathirecottay river	1,858	The foundations laid for 1 abutment and wings, and materials prepared.
Tinnevely	Road No. 2	17,775	3 Bridges, 2 large Chuttrums and 3 miles of road under construction.

APPENDIX.

Statement showing the expenditure on Public Works in 1866-67 from Imperial Funds, as compared with the allotment for that year and with the outlay in 1865-66.

Districts.	Allotment for 1866-67, including private contributions.	Expenditure in 1866-67.	Expenditure in 1865-66.
	RS.	RS.	RS.
Ganjam	1,58,873	1,32,366	1,34,557
Vizagapatam	1,35,175	1,07,418	1,07,016
Godavery	3,57,676	3,39,664	3,04,549
Kistna	2,65,854	2,56,585	2,72,979
Nellore	1,54,350	1,47,396	1,34,165
Cuddapah	1,14,485	1,14,166	1,45,465
Kurnool	72,202	70,786	77,213
Bellary	2,79,482	2,54,804	2,16,645
Presidency	3,57,405	3,51,443	3,13,743
Madras	3,31,090	3,48,300	3,32,568
North Arcot	1,94,540	1,85,627	1,77,550
South Arcot	1,60,566	1,60,618	1,72,736
Salem	94,729	92,975	1,02,432
Bangalore	3,41,964	3,15,375	2,36,737
Tanjore	2,46,218	2,37,712	2,39,818
Trichinopoly	2,05,731	2,04,353	1,51,356
Coimbatore	4,79,438	5,10,940	5,75,813
Malabar	3,99,766	4,00,878	3,81,831
South Canara	69,255	65,865	71,794
Madura	1,82,619	1,80,892	1,19,432
Tinnevely	1,45,964	1,59,862	1,43,823
Total	47,47,382	46,58,055	44,45,222

Statement showing the expenditure on New Works in each District from Imperial Funds under the Budget heads.

Districts.	Military.	Civil Build-ings.	Agricultu-ral.	Communi-cations.	Miscellane-ous Public Improve-ment.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	...	12,221	2,738	56,256	1,668	72,883
Vizagapatam	649	29,038	753	31,314	...	61,754
Godavery	314	58,851	94,689	26,313	...	1,80,167
Kistna	...	9,322	1,02,313	8,917	16,366	1,36,948
Nellore	...	5,977	24,843	43,017	...	73,837
Cuddapah	59	4,872	452	9,267	...	14,650
Kurnool	520	4,098	1,211	12,025	...	17,854
Bellary	1,05,420	8,161	1,320	3,683	...	1,18,584
Presidency	1,32,095	1,36,673	...	...	4,350	2,73,118
Madras	35,416	18,847	63,252	7,220	...	1,24,735
North Arcot	49	31,637	26,518	4,019	...	62,223
South Arcot	...	9,263	13,203	15,755	480	38,701
Salem	3,347	12,838	2,367	5,240	...	23,792
Bangalore	2,82,741	8,782	...	...	...	2,91,523
Tanjore	...	6,540	63,778	11,844	...	82,162
Trichinopoly	6,882	26,643	18,808	7,094	...	59,427
Coimbatore	1,65,924	1,34,234	17,295	91,975	871	4,10,299
Malabar	87,377	69,205	...	1,63,006	...	3,19,588
South Canara	347	7,139	...	29,929	...	37,415
Madura	...	56,516	1,855	29,768	2,631	90,770
Tinnevely	1,500	4,693	5,534	27,460	...	39,187
Total	8,22,640	6,55,550	4,40,929	5,84,132	26,366	25,29,617

Statement shewing the expenditure on Repairs in each District from Imperial Funds under the Budget heads.

Districts.	Military.	Civil Build-ings.	Agricultu-raal.	Communi-cations.	Miscellane-ous Public Improve-ment.	Total.
	RS.	RS.	RS.	RS.	RS.	RS.
Ganjam	493	1,047	14,618	43,325	...	59,483
Vizagapatam... ..	3,394	641	6,068	35,569	22	45,694
Godavery	1,729	4,258	1,17,637	30,499	5,554	1,59,497
Kistna	1,204	3,331	90,864	23,897	341	1,19,637
Nellore	...	1,775	27,408	44,376	...	73,559
Cuddapah	1,836	389	30,234	67,057	...	99,516
Kurnool	427	1,271	17,475	33,759	...	52,932
Bellary	19,437	1,334	46,464	68,985	...	1,36,220
Presidency	44,026	18,868	596	14,587	248	78,325
Madras	23,553	11,156	90,642	98,214	...	2,23,565
North Arcot... ..	3,784	2,650	62,102	54,868	...	1,23,404
South Arcot... ..	...	1,832	58,646	61,439	...	1,21,917
Salem	625	3,220	19,170	46,168	...	69,183
Bangalore	22,132	1,720	...	...	...	23,852
Tanjore	...	3,245	90,981	60,556	768	1,55,550
Trichinopoly... ..	6,736	857	84,991	52,342	...	1,44,926
Coimbatore	6,263	3,977	24,550	65,357	494	1,00,641
Malabar	10,919	6,242	820	63,215	64	81,200
South Canara	667	154	...	27,330	299	28,450
Madura	...	1,488	36,825	51,809	...	90,122
Tinnevelly	2,149	6,625	55,235	56,486	...	1,20,675
Total	1,49,404	76,080	8,75,346	9,99,838	7,770	21,08,438

Statement showing the expenditure in each District from Local Funds.

Districts.	Income Tax Fund.	District Road, Port, and other Funds.	Educational Funds.	Total.
	RS.	RS.	RS.	RS.
Ganjam	...	4,024	3,060	7,084
Vizagapatam	...	4,896	3,612	8,508
Godavery	...	61,060	859	61,919
Kistna	9,493	21,043	...	30,536
Nellore	5,842	16,267	...	22,109
Cuddapah	8,195	9,332	814	18,341
Kurnool	...	9,920	136	10,056
Bellary	1,307	8,018	284	9,609
Presidency	31,772	859	50,162	82,793
Madras	5,060	33,770	...	38,830
North Arcot... ..	26,535	34,383	...	60,918
South Arcot	1,911	63,554	...	65,465
Salem	4,494	17,713	...	22,207
Bangalore	...	...	...	...
Tanjore	7,187	4,670	...	11,857
Trichinopoly	7,593	23,987	...	31,580
Coimbatore	16,463	44,192	326	60,981
Malabar	12,555	1,17,821	6,881	1,37,257
South Canara	2,852	24,072	8,600	35,524
Madura	1,000	6,812	520	8,332
Tinnevelly	304	29,691	...	29,995
Total	1,42,563	5,36,084	75,254	7,53,901

Statement showing the Estimate, Allotment, and Expenditure in 1866-67 on Important Public Works in the Madras Presidency.

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	MILITARY.	RS.	RS.	RS.	RS.
Bellary ...	Constructing ten new wash-houses for the Regiment.	34,800	...	15,000	21,295
Do. ...	Collar-makers' and Carpenters' Workshop ...	8,490	...	increased to 21,297	4,525
Do. ...	Black-smith's Forge ...	3,770	...	7,276	2,305
Do. ...	School-room and Place of Worship for Protestants.	18,950	10,679	3,770	3,679
Do. ...	Roman Catholic Place of Worship ...	19,454	10,196	8,271	8,416
Do. ...	Set of Rifle Ranges ...	4,500	375	6,271	3,463
Do. ...	Hospital Serjeant's quarters ...	4,137	...	8,976	4,137
Do. ...	Nine Non-Commissioned Officers' quarters of E. Battery.	28,724	22,975	7,188	6,240
Do. ...	Alterations to Non-Commissioned Officers' quarters of Artillery.	7,240	6,616	4,027	569
Do. ...	Sixteen married men's quarters of E. Battery.	29,340	22,519	3,496	6,475
Do. ...	Alterations and improvements to Artillery Barracks and buildings ...	21,980	9,170	4,137	13,308
Do. ...	One Armourer's shop for European Infantry.	5,560	...	5,467	4,327
Do. ...	A building for the performance of Divine Worship, Ramandroog...	9,715	6,628	5,719	2,955
Presidency ...	Constructing twelve additional Solitary Cells, with an Association Room, for the European Regiment in the Fort.	17,800	14,998	594	15,000
Madras ...	Additions and alterations to the Horse Artillery Lines at the Mount.	87,530	77,030	6,500	4,002
Bangalore ...	New Barracks on the Race Course ...	12,00,000	6,16,461	8,070	1,67,939
Do. ...	Adding three additional blocks to the Cavalry Barracks for the accommodation of a Regiment of Infantry.	1,05,200	47,027	3,070	48,299
Do. ...	Ulsoor water Supply Project ...	72,000	50,214	1,75,000	13,472
Malabar ...	Artillery Barracks at Cannanore ...	91,740	563	1,55,625	46,133
Do. ...	Married quarters at do. ...	1,27,723	1,08,192	30,000	13,625
Do. ...	Out-houses to married quarters at do.	11,810	...	58,173	4,369

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	MILITARY.—(Concluded.)	RS.	RS.	RS.	RS.
Presidency ...	Making certain alterations and additions in the Criminal Side of the Grand Jail, to adapt it for the use of the Commissariat Department.	19,840	...	9,500	1,650
Do. ...	Alterations in the Commissariat Arrack and Porter Depot.	35,400	...	increased to 16,150	15,506
Do. ...	Constructing a Soojee Mill and Bakery	30,400	15,000	10,000	17,806
Do. ...	Do. Staff Serjeant's quarters with out-houses at do. ...	3,555	...	increased to 17,150	3,465
Do. ...	Do. a bullock shed and well in the compound of do. ...	4,280	...	17,415	4,280
Bangalore ...	Government Bakery ...	84,100	18,822	4,280	20,715
Malabar ...	Commissariat Godown at Cannanore ...	28,780	...	1,000	5,080
Bellary ...	Shed for sick carts attached to the Arsenal ...	4,455	...	increased to 25,000	4,324
Presidency ...	Quarters for the Overseers attached to the Gun Powder Manufactory.	28,200	...	10,000	12,500
Do. ...	Constructing eighteen blocks of Family quarters for the Warrant Officers of the Ordnance Department.	76,500	...	13,837	5,000
Madras ...	Do. a Reserve Powder Magazine at the Mount.	37,800	19,863	15,000	21,235
Malabar ...	Grand Powder Magazine at Cannanore	20,700	...	5,000	11,284
Coimbatore ...	Lawrence Asylum at Ootacamund ...	9,61,067	2,43,333	7,800	1,12,210
Do. ...	Police Constables' huts at the Lawrence Asylum site ...	21,614	...	increased to 20,010	21,730
	CIVIL BUILDINGS.			15,000	
Ganjam ...	Improvements to the Zillah Jail at Berhampore.	14,318	1,725	reduced to 13,600	3,249
Vizagapatam..	Constructing Zillah Jail at Vizagapatam,	60,324	23,681	1,47,740	19,497
Kistna ...	Guntur Jail ...	12,820	...	reduced to 19,500	6,288
Bellary ...	Improvements to the Jail at Bellary...	Approximate 24,000	...	5,000	5,046
Salem ...	Alterations and improvements to the Salem Jail ...	...	...	7,150	5,037
South Arcot ...	Do. to the Cuddalore Jail ...	...	...	3,000	3,000
Trichinopoly...	Improvements to the Jail at Trichinopoly ...	4,750	...	4,750	4,650
Do. ...	Extension of the outer drain of the District Jail at Trichinopoly ...	2,700	...	2,700	2,597

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	CIVIL BUILDINGS.—(Continued).	RS.	RS.	RS.	RS.
Malabar ...	Jail at Calicut	80,000	.....	increased to 20,576	19,638
Madura ...	New Jail at Madura	85,800	.....	increased to 22,304	34,999
Godavery ..	Constructing Central Jail at Rajahmundry	2,08,030	1,60,543	increased to 35,000	38,314
North Arcot...	Central Jail at Vellore	1,08,000	.....	43,679	19,987
Trichinopoly...	Constructing a new Central jail at Trichinopoly	Approximate. 3,70,000	.....	reduced to 27,000	15,048
Coimbatore ...	Central Jail at Coimbatore	3,50,000	2,53,471	40,000	75,213
Malabar ...	Do. at Cannanore ... ..	.....	.....	reduced to 20,000	20,236
Presidency ...	Extending the enclosure wall of the Penitentiary	16,860	.....	30,000	15,950
Do. ...	Alterations and additions to the Jailer's quarters at the Penitentiary	5,330	.....	reduced to 16,700	5,147
Do. ...	Drainage of the Penitentiary	2,700	.....	15,950	2,700
Do. ...	Bringing Seven Wells' water from General Hospital to the Penitentiary.	3,200	554	4,160	544
Madura ...	Small Cause and Principal Sudder Amen's Court-houses at Madura ..	27,500	.....	2,700	9,799
Nellore ...	Talook Cutcherry at Ongole	11,334	8,494	3,200	1,858
Bellary ...	Re-roofing the Hospett Talook Cutcherry	2,150	1,205	544	894
Cuddapah ...	Pullampett Talook Cutcherry	7,300	4,792	10,000	2,797
Kurnool ...	Talook Cutcherry at Koilkootla	7,700	.....	9,799	1,931
Tanjore ...	Improvements to the new Salt Pans at Tranquebar	5,720	1,926	2,190	2,152
Do. ...	Forming approach to the new Salt Platform at Tranquebar	2,590	.....	2,840	Imperial 1,452
Presidency ...	Latrines and Lavatories in connection with the General Hospital	8,600	.....	945	7,623
Do. ...	New Cook-house at the General Hospital. ... ..	.....	.....	895	2,837
				2,508	
				3,500	
				reduced to 2,000	
				3,910	
				reduced to 3,020	
				Imperial 2,500	
				reduced to 1,500	
				Income Tax 1,090	
				8,600	
				reduced to 7,623	
				3,800	

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	CIVIL BUILDINGS.—(Concluded.)	RS.	RS.	RS.	RS.
Presidency ...	New Dead-house at the General Hospital	Approximate. 2,750	.....	2,750 reduced to 2,250	2,249
Do. ...	Drainage of do....	.....	.....	600 increased to 3,170	4,447
Do. ...	Fixing iron railings in the Hospital compound and laying out flower gardens	10,350	6,332	4,018	4,018
Do. ...	Putting up iron railings from the central wing of the General Hospital to the Cooum river.	5,430	1,712	3,718 reduced to 1,618	1,629
Do. ...	Laying down pipes for supplying water from the Seven Wells to the General Hospital.	4,540	645	500 increased to 1,500	1,556
Do. ...	Constructing a Lunatic Asylum at Madras ... ..	.....	.....	20,000	20,028
Do. ...	Erecting an iron and brass foundry at Chepauk	28,530	6,000	11,530 increased to 22,530	22,530
Coimbatore ...	Church at Ootacamund	53,830	.....	7,309 increased to 14,943	15,000
	AGRICULTURAL.			73,494	
Godavery ...	Raising the Godavery Anicut...	3,00,000	2,28,023	reduced to 50,000	50,006
Madras ...	Raising the Casaveram Anicut	6,060	.....	6,060	4,560
South Arcot ...	Constructing an anicut across the Manimothanaddy river	4,000	.....	3,500 reduced to 1,600	1,600
Tanjore ...	Constructing a sluice and 7 arches, and completing an additional laterite and rough stone apron at the northern extremity of the south branch of the Lower Coleroon Anicut	74,000	28,524	30,000 increased to 50,617	50,025
	Do. an additional laterite and rough stone apron with retaining walls at the advanced portion of 3 sluices in the southern branch of the Lower Coleroon Anicut	16,000	.....	30,000	
Kistna ...	Commamoor Channel Project...	1,85,460	51,172	reduced to 24,800	24,117
Do. ...	Western bank channel	1,46,479	95,750	25,000 reduced to 16,200	13,793
Do. ...	Widening lower portion of the Pullairu.	1,04,050	82,983	13,998 reduced to 12,498	12,492
Do. ...	Sloping down the banks of the Seetana-gram main canal	2,76,404	1,53,819	16,000 increased to 16,420	18,555
Do. ...	Constructing a 1st class lock at Dugerralla	27,800	5,279	10,000 increased to 12,796	13,734

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
AGRICULTURAL.—(Concluded.)					
Nellore	Improvements to the Nellore tank	RS. 17,100	RS. 8,182	RS. 5,000 increased to 5,800	RS. 5,790
Do.	River embankment west of Nellore	16,400	5,822	6,000 reduced to 5,200	5,210
Do.	Do. east of Nellore	13,410	10,223	3,187 increased to 3,487	3,560
Madras	Madras Water Supply Project...	6,11,759	.....	1,10,800 reduced to 1,08,833	61,083
North Arcot...	Widening the Cheyaur Channel	35,000	15,586	14,110 increased to 19,410	19,775
Trichinopoly...	Constructing 10 surplus sluices on the north bank of the Coleroon	12,380	2,420	5,000 increased to 6,190	6,483
Do.	Do. 6 do. on the south bank of do	7,920	4,675	3,245 reduced to 2,245	2,245
Do.	Constructing sluices for the Wyacondan channel	16,500	.....	5,000	5,045
Tanjore	Improving the irrigation of the Vadavaur head	5,184	1,900	3,284	3,284
COMMUNICATIONS.					
Ganjam	Road from Aska to Pippulpunka	47,690	14,276	10,000	9,999
Do.	Do. from Aska to Russelcondah	44,640	29,212	10,000 increased to 13,017	13,016
Do.	Branch road from Bullepudra to Kur-cholly	27,950	62,700	17,000 reduced to 1,216	1,032
Do.	Road from Aska to the Ganjam Port and Salt Pans	1,18,200	.....	60,000 reduced to 14,000	15,209
Do.	Excavating a canal from the Chilka Lake to the Ganjam river	1,15,000	51,755	15,395 reduced to 14,642	14,642
Vizagapatam...	Road from Vizagapatam to Casseepur...	53,080	47,455	6,751 reduced to 30,000	4,309
Do.	Road from Vizianagram to Bowdara	1,05,486	29,684	25,000 reduced to 19,981	26,927
Godavery	Works for the cross-drainage of the Ellore High Level Canal	81,683	54,976	25,000 increased to 25,664	25,687
Do.	Iron Girder Bridge at Cocanada	68,630	22,714	Imperial 15,000 Income Tax 3,744	Imperial 15,000 Income Tax 3,744
Nellore	Constructing an embanked road and masonry works across the Musunur Valley, on Trunk Road No. 6...	21,000	11,428	Imperial 10,000 reduced to 6,500 Income Tax 2,100	Imperial 6,500 Income Tax 2,100
Do.	Bridge across the Pydaru on Trunk Road No. 6...				

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
COMMUNICATIONS.—(Continued.)					
Nellore	Ongole and Kottapatam road...	RS. 50,200	RS. 45,529	RS. 4,670	5,624
Cuddapah	Road from the Nundalore Railway Station to Nundalore...	7,312	5,082	2,230 Imperial 696 Income Tax 4,128	1,931 Imperial 696 Income Tax 1,252
Bellary	Road from Bellary to Cuddapah frontier.	1,02,200	1,01,504	Imperial 5,628 reduced to 5,065 Income Tax 1,212	Imperial 5,107 Income Tax 1,195
Cuddapah	Do. from Cuddapah to Bellary frontier.	1,06,431	90,689	Income Tax 7,000	Income Tax 7,000
Do.	Do. from Cuddapah to Kurnool frontier.	61,518 14,490	61,518	11,843 Income Tax 50,000	11,843 Income Tax 31,772
Kurnool	Do. from Nundial to Cuddapah frontier.	60,000	48,183	Income Tax 5,000	Income Tax 5,020
Presidency	Coom river bridge	.....	.....	Income Tax 6,393	Income Tax 6,393
Madras	Improving a portion of Trunk Road No. 13 between Teroomooshee and Coratoor	11,000	.....	Income Tax 10,000	Income Tax 9,824
North Arcot...	Improving the road from the town of Tripathy to the Tripathy Railway Station and thence to Calastry	23,750	.....	Income Tax 10,000 Imperial 1,120	Income Tax 9,850 Imperial 1,120
Do.	Constructing a line of road from Ven-catagerry to Yariptett.	21,400	.....	Income Tax 2,239	Income Tax 2,239
Do.	Road from Calastry to Naidupett on Trunk Road No. 6	34,500	.....	600 Imperial 2,000 increased to 2,109 Income Tax 235	600 Imperial 2,051 Income Tax 285
Salem	Completing the road from Oosoor to Maloor	8,320	4,478	Income Tax 1,972	Income Tax 1,970
Do.	Road from Taramangalam to the Sooramangalum Railway Station	14,300	10,642	662 Imperial 2,440 reduced to 750 Income Tax 1,690	600 Imperial 750 Income Tax 162
Do.	Improving the road from Devattiputty on Trunk Road No. 5	5,500	1,206		
Do.	Constructing a cart-track between Palakode and the Morapur Railway Station	18,200	14,109		
Tanjore	Constructing road from the Railway Station at Keevaloor to the town of Keevaloor	3,690	3,028		
Do.	Metalling road from the Negapatam Railway Station to Nagore	25,730	23,290		

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	COMMUNICATIONS.—(Continued.)	RS.	RS.	RS.	RS.
Tanjore ...	Junction Canal from Negapatam to Teeroopoondy	24,165	20,745	Imperial 3,420 reduced to 1,500 Income Tax 1,920	Imperial 1,496 Income Tax 2,103
Do. ...	Completing the Navigable Canal between Negapatam and Vadaraniem...	70,410	3,797	Imperial 20,000 reduced to 7,000 Income Tax 8,590	Imperial 7,000 Income Tax 4,922
Trichinopoly...	Road from Trichinopoly to Arealoor and Woodiarpolliem to its junction with Trunk Road No. 9	43,600	25,095	Imperial 8,000 reduced to 2,000 Income Tax 6,355	Imperial 2,000 Income Tax 4,752
Do. ...	Constructing a road from Trichinopoly to the Salem boundary via Torioor...	50,000	33,271	Imperial 8,000 reduced to 3,000 Income Tax 2,840 Dist. Road 4,000	Imperial 3,000 Income Tax 2,840 Dist. Road 4,000
Coimbatore ...	Coonoor Ghaut New Trace	240,000	1,00,822	30,000	55,961
Do. ...	New Goodaloor Ghaut... ..	81,400	18,759	15,000 reduced to 12,355	12,355
Do. ...	New line of road from Ootacamund to the head of the Goodaloor Ghaut at Neddivuttum... ..	66,762	7,007	Income Tax 7,462	Income Tax 7,462
Do. ...	Burghoor Ghaut New Trace	72,100	21,116	Imperial 15,000 reduced to 8,500 Income Tax 5,000	Imperial 8,504 Income Tax 5,000
Do. ...	New road connecting Kotagherry and Wellington with the new Coonoor Ghaut... ..	33,427	4,785	2,497 increased to 4,642	4,642
Malabar ...	Karkoor Ghaut road and bridges below	32,550	18,356	8,212 reduced to 2,992	2,525
		51,600	15,440	13,000 reduced to 6,000	3,474
Do. ...	Tambracherry Ghaut	90,230	5,435	15,000 reduced to 12,000	11,974
		1,46,413	76,562	56,413 reduced to 20,000	20,000

Statement showing the Estimate, Allotment and Expenditure, &c.—(Continued.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	COMMUNICATIONS.—(Continued.)	RS.	RS.	RS.	RS.
Malabar ...	Earth-work and bridges from Luckady to Vythery	25,150	9,805	8,000 reduced to 1,700	7,790
Do. ...	Road between Vythery and Kulpatty ...	41,400	13,776	7,000 reduced to 3,500	1,736
Do. ...	Bridge over the Koonoth river ...	16,000	5,352	5,400 reduced to 4,600	4,800
Do. ...	Do. over the Kulpatty river ...	14,500	...	7,000 reduced to 800	3,570
Do. ...	Road from Kulpatty to Sultan's Battery	.....	1,278	7,000 increased to 7,500	782
Do. ...	Do. from Sultan's Battery to the Mysore frontier	30,000	4,810	Imperial 15,740 Income tax 4,465	6,726
Do. ...	Terriote road	60,660	41,455	20,000 reduced to 18,000	Imperial 21,691 Income tax 4,465
Do. ...	Karkoor Ghaut... ..	1,07,400	35,117	7,000 increased to 10,000	15,928
Do. ...	Road from Karkoor Ghaut to Goodaloor	64,086	16,300	7,000 increased to 8,000	11,005
Do. ...	Do. from Goodaloor to Tippacaudoo ...	58,388	29,667	19,613 increased to 25,613	8,715
Do. ...	New Periah Ghaut	78,000	18,922	10,000 increased to 14,980	27,460
South Canara...	Bridge work on the road to connect Mangalore and Cannanore by Vitla and Hoosdroog	69,584	15,469	7,960 increased to 10,960	15,128
Madura ...	Bridge across the Shunmooganuddy river	36,450	25,490	Imperial 15,000 reduced to 10,700	10,960
Do. ...	Road from Tirumangalam to the Coimbatore boundary	1,65,000	23,540	Income tax 1,300	Imperial 12,035 Income tax 1,300
Tinnevelly ...	Road No. 8, from Palamcottah to Tuticorin	1,30,000	41,406	Imperial 15,000 reduced to 8,420	Imperial 7,920 Income tax 2,009
				increased to 7,147	7,122
				District road 4,000	Dis. road 3,415

Statement showing the Estimate, Allotment and Expenditure, &c.—(Concluded.)

District.	Work.	Estimate.	Expenditure up to 30th April 1866.	Allotment for 1866-67.	Expenditure during 1866-67.
	COMMUNICATIONS.—(Concluded.)	RS.	RS.	RS.	RS.
Tinnevely ...	Road No. 4, from Madura to Aroom-booly line	30,000	10,000	Imperial 10,000 reduced to 3,000 Income tax 5,562	Imperial 2,783 Income tax 5,562
	MISCELLANEOUS PUBLIC IMPROVEMENT.				
Kistna ...	Good water channel from Sultanagram bridge to Robertson's Pettah ...	18,080	10,927	6,120 reduced to 5,470	4,559
Do. ...	Extension of good water conduits in the town of Masulipatam	18,650	.....	7,000 reduced to 6,000	6,000
Madura ...	Cutting inner angle of the Reef Channel at Paumbem	43,340	25,003	7,000 reduced to 2,803	2,632

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government

Exd. S. T. Augustin.

PUBLIC WORKS DEPARTMENT.
FORT SAINT GEORGE,
9th July 1867.

No. 2,044.

No. 212.
To

THE SECRETARY TO THE GOVERNMENT OF INDIA,
PUBLIC WORKS DEPARTMENT.

SIR,

I am directed to forward for the information of the Government of India thirty copies of the Administration Report of the Public Works Department of this Presidency for the past official year.

CIVIL WORKS, No. 25.

Report of the Public Works Department of this Presidency for the past official year.

I have the honour to be,

Sir,

Your most obedient servant,

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

Exd. S. T. Augustin.

Administration Report¹⁶ of Public Works. in the Viceroy's Presidency. for the year 1866-67.

Alloiment
and
expenditure

Inclusive of private con-
tributions, the allotment and outlay
on Public Works from Imperial
funds during the eleven months
ended 31st March 1867 amounted
to Rupees 64,70,723 and 62,04,006
respectively, distributed as follows.

	<u>Alloiment</u>	<u>Expenditure</u>
New Works.	25,82,088	25,29,647
Repairs - ...	21,65,294	21,08,438
Tools and Plant	1,59,102	88,414
Establishments	15,64,239	14,77,537

Expenditure com-
pared with allot-
ment and with
previous years
outlay -

Civil Offices, the expenditure was Rs.
1,09,327 less than the allotment
and Rs. 1,92,833 ^{in excess of} below the outlay in
the preceding Official year, the entire
grant

grant for which ^{fell short of} ~~exceeded~~ that for
1855/57 by Rupees 1,75,165 -

Owing chiefly to the ^{Rates}
high prices of the common ne-
cessaries of life; rates of labor
were on the increase in the Ganjam,
Puduch, Ondrapah, Purnool,
Bellary, Tanjore, Madras, and
Tinnevely Districts and in
Bangalore.

Detailed Statements
will be found in the appendix
of the expenditure in each Dis-
trict and of the outlay as com-
pared with the Estimates and
allotments on the more im-
portant works which were
under execution, and regarding
the progress of which a few par-
ticulars will now be given

Statements of
expenditure &c
given in appen-
dix

Progress made
on important
works.

Military
Buildings in Bellary.

Four wash houses were built for
the Regiment at Bellary, and six
others were under construction at a total
outlay of Rupees 21,295. A collar
maker's and Carpenter's workshop and
a black smith's forge were in progress,
and Rupees 6,830 were spent in raising
the walls of the building to a height
of 10 feet and in preparing the wood
work. School rooms and places of
worship for Protestants and Roman
Catholics were in course of erection, and
would have been completed during the
year ^{under an} ~~the~~ outlay of which was Rs.
12,095, but for difficulties which were
experienced in procuring the iron and
wood work, and the granite stones
for the flooring. An expenditure of
Rs. 34,192 was incurred in constructing
a bat of High Range; in providing
Quarters for the Hospital Surgeon and
for the Hon. Commissioned Officers
and married men of the Artillery,
and in altering and improving the Ar-
tillery Barracks and subsidiary buildings.
An Armourer's shop for European
Infantry ^{at Bellary} and a building for the
performance of Divine Worship at
Ramandroy were almost completed
during

Church
at
Ramandroy.

during the year with an aggregate outlay of Rupees 7,282. Military
(Continued)

A sum of Rupees 15,000 was appropriated to the completion of twelve additional Solitary Cells in Port St. George. Room for the European Regiment in Port St. George.

With the exception of the Horse Artillery Lines at Port St. Thomas, the whole of the additions and alterations to the Horse Artillery Lines at Port St. Thomas were finished with an outlay during the year of Rupees 4,002.

Considerable progress was made with the construction of the new barracks on the Race Course at Bangalore for the accommodation of a Regiment of Cavalry and of two batteries of Artillery. An orderly room, two magazines, double Shuttle Alley and two Bowling Allys were erected, and Quarters were provided for a School master and mistress, and for nine Non Commissioned Officers. The walls of the male and female hospitals were raised to nearly full height of the lower stories, and the separate wards and administrative rooms were about one third finished. The Cavalry Stables will probably be completed about the end of July. The masonry of one block of Quarters for the married men at

Military
(continued)

Artillery and the basements of three others were nearly finished, and the Artillery Gun sheds, sick stables and other minor buildings were in a forward state. The total expenditure during the year was Rupees 1,67,939.

Infantry Barracks at Bangalore. A sum of Rupees 48,299 was appropriated to the addition of three blocks to the old Cavalry Barracks at Bangalore for the accommodation of a Regiment of Infantry. One of these blocks was completed, and the other two will be ready for occupation by the end of July.

Water Supply Project at Do. In connection with the Ulsoor water project, a sum of Rupees 13,472 was laid out in completing the Engine house, the masonry of the filter, and three sides of the pure water basin, and in commencing the ^{laying down of the} filtering media.

Artillery Barracks at Cannanore. The new Artillery Barracks at Cannanore, upon which Rs. 46,133 were laid out, progressed so well that the required accommodation for married men and one half of that for single men will be ready for occupation before the monsoon of 1867.

Married Quarters at Do. The Infantry Married Quarters at Cannanore, Calicut, and Malappuram were nearly completed with an outlay of Rupees 13,625.

Military
continued

Expenses 1,334 were spent on the construction of a shed for the accommodation of light carts attached to the Arsenal at Bellary. The alterations and additions to the Criminal side of the Grand Jail at Madras, to adapt it as a Commissariat Store were almost finished, and good progress was made in carrying out the sanctioned alterations to the Commissariat Quack and Porter Depot.

The outlay on these works amounted to Rupees 16,150 and 15,506 respectively. The buildings for a Soldier's Hall and Bakery at Madras, upon which Rupees 15,000 were laid out in 1865/66, were successfully completed during the year with a further outlay of Rupees 17,806 and Rupees 8,745 were spent in providing a bullet shed and quarters for the Staff Sergeant in charge. The walls of

Buildings
for the
Commissariat
at Bellary

Depot at
Bellary
Madras
Bengalore
Cannanore

Military
continued

4 19
the Commissariat Bakery at Bangalore, upon which Rupees 20,715 were expended, were raised to a height of 14 feet, and the foundations of the new Commissariat Office at Cannanore were laid out at an expense of Rs. 5080.

Buildings for the Ordnance Dept. at Bellary - Quarters were under provision for the Ordnance Dept. for the Overseers attached to the Gun Powder Manufactory at Madras. Rupees 12,500 were expended upon the buildings during the year, and it is expected that they will be completed by the end of August next.

The erection of six blocks of Barracks only Quarters for the Havant Officers, serving in Fort Sanit George was taken hand, and Rupees 5,000 were spent in raising the walls to a height of ten feet and in fixing the doors and window frames - At Sanit

Thomas

Thomas Mount, On outlay of Rupees 21,235. was incurred on the construction of a Reserve Powder Magazine which is approaching completion. The foundations of the Grand Powder Magazine at Cannanore were laid out at an expense of Rupees 11,284 -

A sum of Rupees 133,970 was appropriated to the Lawrence Asylum Buildings at Ootacamund. The hospital was completed, and a few huts were provided for the Police engaged in guarding the convicts employed on the works -

Certain additions, consisting of a Hospital, Civil Doctor's Ward,

Military Continued

Lawrence
Asylum
at
Ootacamund.

Civil Buildings

Jail at
Bellary

Civil Buildings Continued

Jail at
Vizagapatam

Do at
Bellary, Salem, Pudukottai and
Tiruchinopoly

Do at
Madurai

New Central
Jail at
Rayachmundry

50
Solitary Cells, were ordered to be made to the Jail at Bellary. About one third of these additions was completed at an outlay of Rupees 3,249. In connection with the new District Jail at Vizagapatam, Rupees 17,497 were spent in finishing six radial blocks and the filers' Quarters, and in building the enclosure wall and the walls of the Female Ward, Hospital, Guard rooms and Solitary Cells. Rupees 26,618 were appropriated to the improvement and enlargement of the Jails at Do at Bellary, Salem, Pudukottai and Tiruchinopoly. The enclosure walls of the new District Jail at Calicut, to which Rs. 19,638 were appropriated, were completed and the foundations of two of the Ranges of wards were laid. A District Jail at Madurai was under construction and the outlay during the year amounted to Rs. 34,999. One half of the length of the enclosure wall was raised to the full height of 16 feet, and the remainder to a height of 9½ feet. The foundations of the radial blocks, Hospital, Office, Store room and Jailor's Quarters were built up to the basement level, and the walls of the latrines to a height of 4 feet. The outlay on the new Central Jail at Rayachmundry amounted to Rs. 38,344. The works which are now completed are five radial blocks, four workshops, four Towers, Central Ward, Jailor's Quarters, a portion of the enclosure wall, Inner Palisade, Partition walls, a large well and temporary latrines. Two ranges of Solitary and women's Cells and other works are in

course of erection. A sum of Rupees 9,987 was laid out on the new Central Jail at Vellore in the execution of the foundations of the exterior walls, the provision of lime for the Convicts proposed to be employed on the works, and the purchase and manufacture of materials. - In connection with the new Central Jail at Trichinopoly, Rupees 15,048 were spent in erecting the enclosure and providing temporary accommodation for one hundred convicts. - The new Central Jail at Coimbatore, upon which Rs. 75,213 were expended, was fitted for the reception of about 800 prisoners, and its entire completion may be looked for by the 30th June next. A temporary Jail for 300 prisoners on the site of the new Central Jail at Cannanore was completed in February last, when the construction of the surrounding walls of the permanent Jail was taken in hand. - The outlay on these works amounted to Rs. 20,236.

A sum of Rupees 24,341 was appropriated to the extension of the enclosure wall of the Penitentiary at Madras, the enlargement of the quarters, the drainage of the compound, and the provision of good water from the "seven wells" by means of branch pipes.

Civil Buildings
Continued

New Central Jail
at Vellore.

do at Trichinopoly.

do at Coimbatore.

do at Cannanore.

Penitentiary
at Madras.

Civil Buildings
Continued

Small Cause Courts at Madras.

Tahsil Cutcheries at Ongole, Hospelt and Pullampett and Cutcherry at Kollakontra.

Salt pans at Tranquebar.

General Hospital at Madras.

An expenditure of Rupees 9,799 was incurred in the construction of a small Cause and Principal Sudder Ameen's Court House at Madras. The walls of the lower story were built to their full height.

A sum of Rupees 1858 were appropriated to the construction of a Talook Cutcherry at Ongole, which is now very nearly finished. The re-roofing of the Talook Cutcherry at Hospelt and the construction of a similar building at Pullampett were completed with an outlay during the year of Rupees 369, and Rs. 1,931 were laid out in the collection of materials for the proposed Tahsildar's Cutcherry at Kollakontra.

The improvements to the new Salt pans at Tranquebar, which were in progress in 1865/66, were completed with a further outlay of Rupees 2,152; and Rupees 1,452 were appropriated to the formation of an approach to the platform.

In connection with the General Hospital at Madras, Rupees 24,359 were applied to the construction of four new latrines and lavatories, a cook room and dead house, draining and railing.

ceilings in the compound, laying
out "flower" gardens, and providing
pipes for the supply of water from
the "Seven wells" -

Operations on the new Lunatic
Asylum, upon which Rupees 20,000
were expended, were confined to the collec-
tion of materials, the formation of roads,
and the alteration of the bungalow in-
tended for the residence of the Super-
intendent -

An Iron and brass foundry was built in connection with the
Public Works, Workshop, at Behar
at a cost of Rupees 28,530, of which
Rs. 22,530 were spent in 1866/67.

The ~~construction~~ ^{building} of a
new Church at Polacamma was
~~commenced~~ ^{on} and Rupees 15,000 were
spent in laying the foundations
and preparing materials.

Civil
Building
continued

Lunatic
Asylum at
Madras.

Foundry at
Chennai

New Church
at Polacamma

8
Agricultural Rupees 18,555 were expended during the
year. The increase in the discharge of the
channel is greatly augmented, but much
remains to be done before the full benefits
expected from the work can be obtained. The
materials for the construction of a first
class lock at Doggerallah were prepared,
and the excavation of the foundations was
nearly completed at a cost of Rupees 13,734.

Nellore
Nellore Tank

The improvement of the
Nellore Tank was ~~in progress~~ ^{continued} upon an estimate
of Rupees 17,100, of which Rupees 5,790 were
spent in 1866/67 in finishing the rough
stone revetment. The river embankment
east and west of
Nellore.
east of Nellore was completed, and that
to the west was vigorously carried on with
an aggregate expenditure of Rupees 9,770.
The banks are now reported to be safe in
case of floods.

Madras
Madras Water
Supply project

In connection with the
Madras Water supply project, Rupees
6,1683 were expended in excavating the
channel in various parts. The masonry
works

works are under execution by Contract.

The widening of the Cheyani Channel was completed at an expense of Rupees 35,361, of which Rupees 19,775 represent the expenditure in 1866/67.

Seven surplus sluices were constructed on the north, and five on the South bank of the Coleroon, and materials were under collection for the proposed under sluice of the Tyacondam channel, the foundations of which were completed. The aggregate outlay on these works was 13,773.

The improvement of the head of the Tadavani was completed at a total outlay of Rupees 5,184, of which Rupees 3,284 was the actual expenditure in 1866/67.

Agriculture
Cult.

North Arcot
Cheyani Ch.

Trichingopoly
Sluices on the
banks of the
Coleroon and
for the Tyacondam
channel

Tanjore

Improving the
head of the
Tadavani

Communications.

Roads in
Ganjam.

Several masonry works and 16 1/2 miles of earth work of the road from Askia to Pipulputh were completed, and 9 miles were metalled and gravelled at an outlay of Rupees 9,999. A sum of Rs. 13,016 was spent on the construction of the road from Askia to Russelcondah and from Bulleputra to Kurchooly. With the exception of two large bridges which are in progress, the road from Askia to Ganjam was completed at an expenditure of Rs. 51,622, of which Rs. 1,032 was the outlay in 1866/67. Rupees 15,209 were laid out in the excavation of a canal from the Chilka Lake to Ganjam.

Roads in
Vizagapatam

The earthwork of 27 miles and the metalling of other portions of the road from Vizagapatam to Bassepoor, as also a large number of masonry works, were finished at an expenditure of Rs. 14,642. In connection with the road from Vizagapatam to Boudara, an outlay of Rs. 4,309 was incurred in finishing the earthwork of 18 miles, gravelling and metalling 16 others, and constructing numerous bridges and minor masonry works. Favorable progress was made with the project for the cross drainage of the Ullore High Level Canal in the Godavery District, Rs. 26,927 having been spent in completing the sub-passage of five vents in the Ullore Aqueduct with locks and tail race, as well as a large inlet and outlet for the east branch of the Tomelair, and two outlets at the 27th and 31st miles. Rs. 25,607 were laid out on the Iron Girder Bridge at Locanada in screwing down 15 Riles and fixing the girders for one bay.

Ullore High
Level Canal and
Iron Girder
Bridge at
Locanada in
the Godavery
District.

The earthwork of the road embankment across the Musanur Valley was nearly finished, the Musanur and Pullavagu bridges were completed, and the construction of another bridge and of a viaduct was on hand with an expenditure of Rs. 18,742. The bridge across the Pydaru on Trunk Road No. 6, to which Rs. 8,600 were appropriated, was raised to the springing line, two arches were turned and the third was ~~well~~ advanced. The Ongole and Kotapattam road was completed throughout during the year with an outlay of Rupees 5,624.

Rupees 1,931 were expended in completing the road from Sundalore to the Sunda-lor Railway Station, and an outlay of Rupees 8,250 was incurred on the line from Bellary to Fuddapah in the construction of 8 road dams, 3 tunnels and 3 culverts, and in the execution of a large quantity of earthwork, gravelling and metalling.

Good progress was made with the road from Fuddapah to Spindial, in which the outlay during the year amounted to Rupees 18,843. Twelve road dams and some minor masonry works were finished, the foundations of six other road dams were laid, 3,411 running yards of road were laid, and gravelled, and 7,833 cubic yards of earthwork completed.

The construction of a bridge over the Gourn Bar at the Presidency was commenced, and Rupees 31,772 were spent from Income Tax Funds in the sinking of wells for the south abutment and in the

Communications (continued)

Roads in the Nellore District

Roads in Fuddapah and Bellary

Roads in Fuddapah and Turnool

Bridge over the Gourn Bar at the Presidency

Communications (continued)

Roads in Madras and North Arcot.

collection of materials. In the Madras and North Arcot Districts, the roads from Terommoor to Koratav; from Triputtly to Calastay; from Venkatagerry to Yarepett, and from Calastay to Saidoospett were in progress from Income Tax Funds, Rupees 31,087 having been spent from that source during the year 1866-67. The first of these lines will, it is expected, be completed by the end of the current official year; seven and a quarter miles of the second line were completed and opened for traffic; on the third and fourth the jungle was cleared, side channels opened, and materials for metalling and masonry works were under collection.

Roads in Salem.

The roads from Oosoor to the Malloor Railway Station and from Saramungalum to the Saramungalum Railway Station were finished during the year with an outlay of Rs. 3,959. The line from Deratipully to the Athoor Railway Station was marked out, seven tunnels were built and the raised portions of the road were almost completed at an expense of Rupees 2,336. Nine miles of the cart track between Palakode and the Morapur Railway Station were formed with an expenditure from Income Tax Funds of Rupees 1,970.

Roads in the Tanjore District.

The road from the Town of Keralore to the Keralore Railway Station was

completed, and material was under collection for the unfinished half-mile of the Railway feeder from Nagore to Negapatam. The outlay on these two lines was Rupees 1,509.

The junction canal from Negapatam to Seropondy was completed with an outlay during the year of Rs. 3,599, and Rs. 4,922 were spent on the canal from ~~Negapatam~~ ^{Seropondy} to Vaddur in excavations between Cadooryanur and Vellyanur and in the construction of the necessary masonry works.

The most important roads ~~in~~ under construction in the Trichinopoly District were those from the town of Trichinopoly to Keralore and Wodiarpothim and to the Salem boundary, upon which the aggregate expenditure amounted to Rs. 16,592. These lines are respectively 50 and 42 miles in length, of which 16 of the former and nearly 32 of the latter were completed during the year.

The upper $4\frac{1}{2}$ (out of 10) miles of the new Coonoor Ghaut were opened to cart traffic, and good progress was made with the lower four miles. No portion of the Goodaloor Ghaut has yet been opened, but the year's allotment was well spent in completing the trace and in removing large quantities of earth and rock, and constructing several masonry works. Of the road from the head of the Goodaloor Ghaut to Ootacamund, 10 out of 20 miles were fully completed. On the new Buighoor

Communications (continued)

Canals in
the Tanjore
District.

Roads in
Trichinopoly.

Roads in Coonoor.

Communications (continued)

Ghaut. work was carried on for a distance of 8 miles from the foot of the Southern Ghaut to Thannarakaray, but on account of the rocky nature of the line, the road is not quite open for cart traffic. Two out of the twelve miles of the new road connecting Kotajherry with Wellingtown, Coonoor, and the Coonoor Ghaut, were completed, and the whole of the remaining portion retraced and partially cut to widths varying from 3 to 12 feet. The aggregate outlay on these works amounted to Rs. 93,924.

Roads in
Malabar.

The road and bridgework below the Karkoor Ghaut progressed but slowly, owing to the unusual prevalence of fever which dispersed the workmen. The portion between the foot of the Ghaut and Munnabat was however metalled and several bridges were either completed or in progress at an outlay of Rs. 17,973. The whole of the Tennbracherry Ghaut, upon which Rs. 20,000 were spent, was opened to bridle path, and it is expected that, before the next monsoon, the road will be available for cart traffic as far as the junction between the old and new Ghauts. On the

completion of the Koonath and Kalputty bridges and some minor masonry works which are now in rapid progress, the line between Luckady and Kulputty, to which Rs: 17,896, were appropriated, will be an excellent cart road. Operations on the road between Kalputty and Sultan's Battery were much retarded owing to want of labor, the only work executed during the year being the completion of 1½ miles of road connecting the Kulputty bridge with the Chalapoya Bazar at a cost of Rs. 782. In connection with the line from Sultan's Battery to the Mysore frontier, Rs. 6,726 were spent in clearing jungle, raising embankments and preparing materials for minor masonry works. Several bridges were built on the Terriote road, and others were in course of erection. During the year, the outlay on which amounted to Rupees 26,156. Five miles of the Caroor ghaut, upon which Rs. 15,928 were laid out, were widened to a width of six yards, and three

Communications (Continued)

Agriculture

Godavery, Dasaveram, Manimootha Saddy and Lower Coleroon Annicuts.

At the Godavery Annicut ^{and re-covering} the ^{with cut stone} crest, and in laying down an additional rough stone apron. The aprons of the Dasaveram Annicut were strengthened and the body wall was raised with aggregate stone coping at an outlay of Rupees 4560. A sum of Rupees 1600 was appropriated to the construction of an Annicut across the Manimootha Saddy river. The dam was built 4 feet above the foundations, and materials were being collected for the completion of the work. Rupees 50,025 were applied to the reconstruction of the Lower Coleroon Annicut, the body of which, as well as the piers of the bridge over the annicut and three arches, were completed. The centering of a fourth arch was set up, and the retaining wall and apron of the annicut were finished for a distance of 158 feet.

Historical Commamoor Channel

The entire length of the Commamoor Channel, in which the year's expenditure amounted to Rupees 24,117, was excavated and the outlets completed. The drainage of

of the Pamparoo swamp was carried out, to part width, for $7\frac{1}{2}$ miles. The escape Calinguloh at Moolapollen was commenced and, with a large portion of the drain which leads from it to the Nizampatam Creek, will, it is believed, be completed before the rains. Work upon the channel from Tallabapooram to tidewater progressed satisfactorily, four Calingulohs having been completed, and the widening of the channel between its head and Tolloor carried on to a considerable extent with an outlay of Rupees 13,793. The widening of the lower portion of the Pollairu, upon which an expenditure of Rupees 12,492 was incurred, is approaching completion, all that now remains to be done being the excavation of the Polrag Coter to full width for about 1000 yards, and the construction of two Calingulohs in the Buntur-milly Channel. In connection with the project for enlarging the head of the main channel from Setaungarum to Doggaralla

Agricultural
Cult.

The low Dam
Channel

Pollairu Channel

Setaungarum
Channel

12

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Communi-
cations (continued)

Roads in
Cannara.

Roads in
Madura

were being widened to a width of seven yards. Leach drains were excavated for a distance of $9\frac{1}{2}$ miles, and 47 road dams were completed. A sum of Rupees 19,720 was spent in completing the road from the Karkoor Ghaut to Tippaucados, which is now open for traffic throughout its entire length. On the new Veriah Ghaut, an outlay of Rs. 27,460 was incurred in blasting rock, constructing revetments and completing the earthwork along its entire length, and it is believed that the road will be open to a width of 12 feet before the monsoon. The road between Parimangalore and Hosedroog having been made available for dry weather. Cart traffic during 1865/66, the construction of the larger bridges on the line was undertaken, and Rs. 15,128 were spent during the year under review.

The bridge across the Thummoogaraadee River, on which Rs. 10,960 were spent, was finished throughout with the exception

Communications (continued)

of a portion of the plastering. In connection with the line from Siumungah to the Coimbatore boundary, Rupees 13,335 were appropriated to the completion of 9 miles of road and to the construction of two small bridges and other masonry works. Rupees 18,457 were laid out on the line from Palamcottah to Tuticorin in forming the roadway from the 19th to the end of the 23rd mile, and in building one of the abutment and five of the piers of a bridge on the 24th mile. Fair progress was made with the road from Madurai to the Tirunelveli Country, Rs. 8,345 having been spent in metalling 8 1/2 miles and constructing 15 road dams.

The good water channel from Sultanagram bridge to Robertson's Pettah was completed, and Rs. 10,559 were expended on that work and on the extension of good water conduits in the town of Masulipatam.

Miscellaneous Public Improvement.

Good water channels and conduits in the Ristnah District.

Operation of
The project for cutting the inner angle of the reef channel at Pamm-
been Continued in progress, and an outlay of Rupees 2,632 was incurred in blasting 9,195 cubic feet of stone and removing 29,267 cubic feet of silt, gravel &c.

Pamm-been channel in the Madurai District.

Statement showing the principal works which were undertaken from the District Road, Educational and Port Funds by officers of the Public Works Department during the year 1866/67

District	Work	Expenditure in 1866-67	Remarks
Gonjau	Road from Jagannathapur to Perambalur	2,831	Nearly completed
Do	Anglo-Vernacular School at Chinnai	1,410	Completed
Do	14 1/2	5	15
Do	Girls School at Berhampore	1,563	Work in progress
Vizagapatam	Branch road from Vardapatam to Thallapalem	3,540	Three miles of road formed and 6 small bridges built.
Do	Girls School at Chinnai	573	Completed
Do	Normal School at Vizagapatam	656	Replastering to verandah roof in progress.
Do	Anglo-Vernacular School at Bimlipatam	2,309	Halls plastered & out stone flooring in progress.
Godavari	Road from Coanada to Samul	2,711	Completed
Do	Do from Penuguduru to Jagannathapur	2,217	Do
Do	Do from Tanuku, via Duvah, to Pruthipad	7,067	Earthwork finished from Pruthipad to Duvah - 2 bridges & 8 tunnels completed & 2 other bridges nearly so.

District	Work	Expenditure in 1866-67	Remarks
Godavary	Road from Siddamantam to Martam.	2996	Earthwork completed, 1 Bridge & 10 tunnels constructed, and 2 other tunnels in progress.
D:	D: from Narsapur to Vesanasaram	5847	Earthwork nearly completed & 5 tunnels built & 1 in progress.
D:	D: from Palco to Doddapalle	7865	Earthwork finished. Involving that Palco town completed. 5 tunnels built & 1 Bridge in progress.
D:	D: from Ambajapetta to Amalapur	355	Completed.
D:	D: from Eluru to Chintalapudi	8326	Earthwork completed as far as Vizian, 6 culverts built, & 4 in progress.
D:	D: from Pungidi to Nedathur	6079	Completed.
Kistnah	Road from Jagarlamooddy to Tally	691	5 tunnels built & a considerable quantity of gravel spread.
D:	Road from Ponnur to Luntor	2746	Earthwork & substructure completed & 2 tunnels built.
D:	Coast road from Veltatam to Sundat	1118	3 miles completed
D:	Constructing road from Jaggiapetta to join the Hyderabad road at Chilla.	1620	Completed.

District	Work	Expenditure in 1866-67	Remarks
Nellore	Allur and Lakapilla road	1700	4 2/3 miles completed and 19 tunnels built.
D:	Tungum and Kaligerry road	1783	Five tunnels, one road dam, and 8 miles of road completed.
D:	Kangharri, Kundukur and Chappellu road to the beach	4083	The embankments on the 1 1/2 & 6 1/2 miles finished & the graveling in progress. The other portions of the road as well as 4 road dams & 2 tunnels completed.
Cuddapah	Road from Poddatoru via Maidi cor, to Nundakurpott	1440	1100 yards of earthwork completed & 5 tunnels & 1 road dam built.
D:	D: from Cuddapah towards Piliwudla	1904	2939 running yards of road installed, gravelled & tamped.
Kurnool	Constructing a road from Nundakur to Bailorty	4520	4 miles of road made.
D:	D: from Cumbum to Marthapur	2880	3 1/2 miles opened out with side channels and 1 1/3 miles installed and gravelled.
Bellary	D: from Raidering to Kordain	2204	2 3/4 miles of road made, and twenty miles repaired.

District	Work	Expense -ture in 1866-67	Remarks
Bellary	Dharmar Road from Lowry from the Mysore frontier near Hurryhur	2986	10 miles of road repaired. 600 yards gravelled and a large road dam built.
Presidency	Making certain alterations and improvements to the Medical College	19,300	Completed
D.	Erecting a new Presidency College at Chepauk	63,132	Walls raised throughout to the level of the top of the plant.
Madras	New road and landing wharf near Pugh's gardens at the Adyar	4390	Completed
D.	Deepening the Sadras Canal from Covelong to the Polar	13642	
North Arcot	Road from Old Arcot to Tiruvettoon	2834	Road made for about 4 miles
D.	Road from Numanmuga sum to Polar	3248	In progress
D.	Road from Polar to Maude, wash	2464	D.

Repairs.

Outlay on Repairs

Under this head, a total ex-
penditure of Rupees 21,08,438 was incurred
in keeping in repair 1027 Military Buildings,
479 Civil Buildings, 674 Channels, 1467 Tanks,
55 Isalingulas, 52 Sluices, 527 Dykes, 58 Aricuts, 7
Locks, 64 Drainages, 4 Irrigation Dams, 8132 Miles
of road or Canal and 179 Bridges, Tunnels and
Road dams. The following were the principal
repairs executed during the year.

Godavery Aricut _____ 12,682
Godavery { Dredging locanada River Bar _____ 5,354
Godavery River Banks _____ 30,370

Masulipatam Canal and
minor branches _____ 16,191
Ullore Canal Do. Do. _____ 9,261
Kistnah. { Pollairu Do. Do. _____ 7,939
Kizampatam Do. Do. _____ 6,627
Commamoor Do. Do. _____ 7,489

Coragal Aricut _____ 3,772
Bellary { Tongatridra Channels _____ 14,841
Tinnevely. Canadien channel _____ 3,895

Workshops.

Operations of Workshops

The operations of the Workshop
at Pammheim were confined to the repair of
hand dredges, canoes, boats &c. The workshops
at

at Bezbarah and Nellore were engaged chiefly in the current work of those Districts. In the Dowlaishivaram Factory, the out-turn is estimated at Rs. 1,10,015, of which Rs. 5,830 represent the value of work executed for private parties.

Local Funds.

The total allotment and outlay by officers of the Public Works Department from Local Funds of all descriptions were Rupees 9,95,738 and 8,42,091 respectively, as follows.

	Allotment.	Expenditure
New Works. —	6,97,308	7,53,901
Repairs —	2,22,327	
Tools and Plant —	550	732
Establishments	75,553	87,458
<u>Total</u>	<u>9,95,738</u>	<u>8,42,091</u>

A statement shewing the principal works which were on hand and the progress made upon each is given in the Appendix.

District	Works	Expenditure in 1866-67	Remarks.
South Arcot	Constructing a bridge of arch of 32 feet span over the Trivady main channel on the road from Paloor to Trivady —	2897	Completed.
Do	Road from Chendorn to Vellur —	5280	Road opened for traffic & 11 tunnels built.
Do	Improving the road from Vellur to Shattalope —	2825	Channels cut, sand carted and spread, and ruts levelled.
Salem	Constructing a road from Trichengode to Kalespattin —	600 5 1/2	Miles of road formed.
Do	Road from Comaramungalam to Andalon —	2400 15 1/2	Do
Do	Do from Vedayam to main line between Vayloam and Morganon —	2514	1 1/4 Miles of road formed and 4 tunnels & 5 miles completed.
Trichinopoly	Constructing road from Marapath to Coolitallay —	2800	3 Miles of road formed. 2 tunnels & 1 road dam in progress.

District	Work	Expenditure in 1866-67	Remarks
Trichinopoly	Road from Trichinopoly to Alitray	4663	Completed.
Do	Do from Lalgooty to Chengai river	7910	Completed, with the ex- ception of sectioning and graveling.
Do	Bridge over the Myasoulam	2475	Completed.
Coimbatore	Market shed at Coonoor	3172	Completed.
Do	Coonoor Ghaut to Kotagerry	10032	41,324 Cubic yards of earth work; 1249 Cubic yards of masonry; 7428 Cubic yards of chert drains; 150 Cubic feet of bridge work and 29 drains completed, 94 carrying stones collected and 2362 yards of rock bored.
Malabar	Road from Cherikab via Vettatt, Iruttur, Perumparamba (Trunk Road No. 14) & Peralambra to the Coorg boundary	14950	One bridge completed & another commenced - a large quantity of jungle cleared; 700 running yards of bridge path opened out and the erection of a Bungalow at Perumparamba com- menced.
Do	Road from Tiltandy, via Kalleri, to Tambacherry	10639	Earthwork nearly completed and abutments of one bridge partly finished.

District	Work	Expenditure in 1866-67	Remarks
Malabar	Road from Chingady, via Edacad, Kothali Bridge, to Kothaloor Amshum	3298	Road work in progress across paddy fields.
Do	Road from Tambacherry to Araacode	5248	Do.
Do	Road from Mungori, via Punkasode and Alitatur, to 2 miles west of Manar on the Mungor road.	4817	A large quantity of earth work completed & 6 tunnels built.
Do	Road from Manar, via Pankasode to Angadipuram	8519	6 miles of road reformed; 3 embankments metalled, & 11 tunnels constructed.
Do	Chittacadauro Bridge	2668	Abutments nearly completed
Do	Bridges on road from Mungori and Malappuram road, via Amacoyam, to Angadipuram	2579	Completed
Do	Bridge on the road from Pal- ghat, via Poonnagaram, to Kallangode	7823	Work completed with the ex- ception of the joining of 1 bay and the planing of 2 others.
Do	Road from Tirtattah, via Kallangode, to Chaughat	4988	Completed.

District	Work	Expenditure in 1866-67	Remarks
Malabar	Coata Bridge	7062	Wing walls, abutments and Piers and southern approach completed, and fair progress made with the timber work.
D.	Noamal School at Cannanore	6839	Main walls raised $13\frac{1}{2}$ feet, 2 main arches built, and a supply of materials collected.
D.	Constructing Light House, Store room and attendant's Quarters at Cochin	6443	Pedestal, 3 landing places, attendant's quarters, with 10 rooms, completed. Lower portion of Lightning conductor fixed, and good progress made with the shaft.
D.	Road (or new trace) from Manantoddy to Coorg frontier	6246	4 miles of the new trace widened out and made passable for Carts.
South Canara	Improving Moodbidri & Beltingady road.	1455	$17\frac{1}{2}$ miles completed.
D.	Road from Pootloor by Villa, to Muzjeshwar.	2124	Bridle path completed $1\frac{1}{2}$ miles opened out to a breadth of 4 yards.

District	Work	Expenditure in 1866-67	Remarks
South Canara	Provincial School at Mangalore	8807	23,348 Cubic feet of earthwork; 24,000 Cubic feet of latosite in Chennam, 676 running feet of cordow work, 27 Cubic feet of arch work and 953 Cubic feet of earth terraces completed, 33 doors and shutters, 9,788 Cubic feet of Latosite and 17,400 tiles at site.
D.	Extension of the Quay at Mangalore	11821	41,208 Cubic feet of earth and sand work; 230 Cubic feet of rough stone work; 1730 Cubic yards of clay, backing to quay with 150 running feet of latosite coping; 750 sq. feet of latosite pavement and 1070 Cubic feet of latosite in clay completed.
Madura	Bridge over the Muzje. Aar	2000	Abutments and piers built up to the springing line.
D.	D. over the Vankulathine. - cotta river.	1858	The foundations laid for 1 abutment & materials prepared.
Tinnevely	Road No. 2	177753	Bridges, 2 large Chattrams and 3 miles of road under construction.

Appendix

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Statement showing the expenditure on Public Works in 1866/67 from Imperial Funds as compared with the allotment for that year with the outlay in 1865-66.

Districts	Allotment for 1866/67 including private contributions	Expenditure in 1866/67	Expenditure in 1865/66
Bombay	158,873	~~153,490~~ 132,366	134,557
Bagdad	135,175	~~127,958~~ 107,448	107,616
Madras	357,676	~~356,598~~ 339,664	304,549
Bombay	265,854	256,585	272,979
Bellary	154,330	147,396	134,165
Budapest	114,485	114,166	145,465
Bombay	72,202	70,786	77,213
Bombay	279,482	254,804	216,645
Bombay	357,405	351,143	313,743
Bombay	331,090	~~348,300~~ 336,122	332,568
Bombay	194,540	~~181,106~~ 185,627	177,550
Bombay	160,566	~~158,638~~ 160,618	172,736
Bombay	94,729	92,975	102,432
Bombay	341,964	315,375	236,737
Bombay	246,218	~~237,712~~ 236,063	239,818
Bombay	205,731	~~204,353~~ 203,585	181,356
Bombay	479,438	~~510,940~~ 511,106	575,813
Bombay	399,766	~~400,878~~ 401,591	381,831
Bombay	69,255	~~65,865~~ 69,996	74,791
Bombay	182,619	~~182,155~~ 181,892	119,432
Bombay	145,964	~~159,862~~ 142,831	143,823
Total	4747,382	~~4638,055~~ 4752,129	4445,222

Statement showing the expenditure on a New Works in each District from Imperial Funds under the Budget heads.

Districts	Milita-ry	Civil Build-ings	Agri- cultural	Comm- muni- cation	His- torical & Public Improvement	Total
Tanjore		1222		56258		72883
Mazgaon		12961	2738	56702	1668	89070
Godavari	649	29038	753	31314		61754
Krishna	314	58857	94689	26313		180167
Yellare		9322	102313	8947		205149
Gudalpur		5977	21813	13017		73857
Tumool	59	14872	152	9267		11650
Bellary	520	10998	1211	12025		17854
Presidency	105420	8161	1320	3683		118584
Madras	132095	136673	63252		1350	373118
North Arcot	35116	18847	61152	7220		116554
South Arcot	119	31637	26518	14019		62223
Salem		9263	13203	15755	180	38701
Bangalore	3317	12838	2367	5210		23792
Tanjore	282711	8782				291523
Trichinopoly		6510	63778			70288
Coimbatore	6882	26643	18808	11811		57227
Kalabar	165924	134234	10129	7091		58659
South Canara	87377	69205	17295	91975		410299
Madras	317	7139		163006		319588
Tinnevely	1500	4693	5534	20768		31987
Total	822640	655550	880579	584132	2529117	2529117

Statement showing the expenditure on Repairs in each District from Imperial Funds under the Budget heads.

Districts	Milita-ry	Civil Build-ings	Agri- cultural	Comm- muni- cation	His- torical & Public Improvement	Total
Tanjore		1047	14618			59483
Mazgaon	493	5358	15244	13325		61120
Godavari		641	6068	35369	22	45694
Krishna	3394	4258	117657	30499	1022	159497
Yellare	1729	6093	117108	30515	5351	161049
Gudalpur	1201	3331	90864	23897	341	119522
Tumool		1775	27108	44376		73559
Bellary	1836	389	30234	67057		99516
Presidency	127	1271	17475	33759		52932
Madras	19437	1334	46364	68985		136220
North Arcot	41026	18868	596	14587	248	78325
South Arcot	23553	11156	90612	98214		223565
Salem	3784	2650	62102	62638		123404
Bangalore		1832	58646	61439		121917
Tanjore			19170	46168		69183
Trichinopoly	625	3220	1720	6056		33852
Coimbatore	22132	1720	90381	6056		155550
Kalabar		3245	81991	52342	768	155021
South Canara	6736	857	24550	65357		141926
Madras	6263	3977	63215	63215	494	100641
Tinnevely	70949	7044	117	27330	64	82227
Total	667	76080	875346	999838	7770	2108438

Statement showing the expenditure in each District from Local Funds.

Districts	Income Tax Fund	District Road, Port and other Funds	Education Funds	Total
Panjam		4024	3060	7084
Madraspatnam		3817	2773	6590
Madras		4896	3612	8508
Madras		1660	2522	4182
Madras		61060		61060
Madras	9493	2043	859	30536
Madras	9306	20605		30536
Madras	5842	16267		22109
Madras	8195	15008		23193
Madras		9332	814	10056
Madras		9928	136	10056
Madras	1307	8018	284	9129
Madras	1352	7118		82793
Madras	31772	859	83112	145743
Madras	5060	33770		38830
Madras	26535	34383		60918
Madras	26067	35511		61578
Madras	1911	63554		65017
Madras	3893	61126		65017
Madras	44914	17713		22207
Madras				
Madras	7187	4670		11857
Madras	7593	23987		31580
Madras	16483	44192		60675
Madras	16100	48699	326	64725
Madras	12535	117321	6881	130587
Madras	13000	116821		129821
Madras	2852	24072	8600	35524
Madras	1000	22820	8507	31127
Madras	1300	6812	520	8632
Madras	1200	8084		9284
Madras	304	29691		29995
Madras	12988	22012		15000
Total	142563	636054	75254	753901
	157229	626100	107091	794420

Statement showing the Estimate, Allotment and expenditure in 1866-67 on Important Public Works in the Madras Presidency.

District.	Work.	Estimate 1866	Expenditure up to 30 April 1866	Allotment for 1866-67	Expenditure during 1866-67
	<u>Military</u>	R.	R.	R.	R.
Bellary	Constructing 10 new wash houses for the Regiment	34,800		15,000 increased to 21,297	21,295
do	Roller makers and carpenters' work shop	8490		7,276	4,525
do	Black Smith's Forge	3,770		3,770	2,305
do	Schoolroom and Place of Worship for Protestants	18,950	10,679	8,271 reduced to 6,271	3,679
do	Roman Catholic place of Worship	19,454	10,196	8,976 reduced to 7,188	8,416
do	Set of Rifle Ranges	4,500	375	4,027 reduced to 3,496	3,463
do	Hospital Sergeants' Quarters	4,137		4,137	4,137
do	9 Non-Commissioned Officers Quarters of E. Battery	28,724	22,975	5,467 increased to 5,749	6,240
do	Alterations to non-Commis. sioned Officers' Quarters of Artillery	7,240	6,646	594 reduced to 569	569
do	16 married men's Quarters of E. Battery	29,340	22,519	7,724 reduced to 6,476	6,475

District	Work	Expenditure Estimate up to 30 April 1866	allotment for 1866-67	Expenditure during 1866-67
	<i>Military (contd)</i>			
Bellary	Alterations and improvements to Artillery Barracks and buildings	21,980	9,170	12,810
do	One armourer's shop for European Infantry	5,560	{ 6,500 reduced to 5,560	4,327
do	A Building for the performance of Divine Worship. Remains	9,715	6,628	3,087
Presidency	Constructing 12 additional solitary cells, with an association room, for the European Regiment in the Fort.	17,800	14,998	15,000
Madras	Additions and alterations to the Horse Artillery Lines at the Mount.	87,530	77,030	{ 8,070 reduced to 3,070
Bangalore	New Barracks on the Race Course	12,00,000	6,16,461	{ 1,75,000 reduced to 1,55,825
do.	Adding three additional blocks to the Cavalry Barracks for the accommodation of a Regiment of Infantry	1,05,200	47,027	{ 30,000 increased to 58,173
do	Water supply project	72,000	50,214	{ 20,000 reduced to 14,985
Malabar	Artillery Barracks at Cannanore	9,740	563	{ 58,000 reduced to 40,352

District	Work	Expenditure Estimate up to 30 April 1866	allotment for 1866-67	Expenditure during 1866-67
	<i>Military (contd)</i>			
Malabar	Married Quarters at Cannanore	1,27,723	1,08,192	{ 26,485 reduced to 10,532
	Out houses to do.	11,810	.	{ 5,000 reduced to 4,369
Presidency	Making certain alterations and additions in the Criminal side of the Grand Jail to adapt it for the use of the Commissariat Department.	19,840	"	{ 9,500 increased to 16,150
do	Alterations in the Commissariat Arrack and Porter Dept.	35,400	"	{ 10,000 increased to 15,000
do	Constructing a Sogjee Mill and Bakery.	30,400	15,000	{ 17,150 increased to 17,415
do	Dr. Staff Sergeants Quarters with out houses at do.	3,555	"	3,555
do	Dr. a bullock shed and well in the compound of do.	4,280	"	4,280
Bangalore	Government Bakery	84,100	18,822	{ 15,000 increased to 25,000
Malabar	Commissariat Godown at Cannanore.	28,780	"	{ 10,000 reduced to 4,783
Bellary	Shed for sick carts attached to the Arsenal	4,455	"	4,455

District	Work	Estimate	Expenditure up to 30 April 1866	Allotment for 1866-67	Expenditure during 1866-67
<i>Military (concluded)</i>					
Presidency	Quarters for the Overseers attached to the Gun Powder Manufactory	28,200	"	{ 10,000 increased to 13,837 }	12,500
do	Constructing 18 blocks of Family Quarters for the Warrant Officers of the Ordnance Department	76,500	"	{ 15,000 reduced to 5,000 }	5,000
Madras	Constructing a Reserve Powder Magazine at the Mount	37,800	19,863	{ 7,800 increased to 20,010 }	21,235
Malabar	Grand Powder Magazine at Cannanore	20,700	"	{ 15,000 reduced to 13,000 }	11,284
Coimbatore	Lawrence Asylum at Botacamund	9,58,067	2,43,333	{ 1,47,740 reduced to 1,33,936 }	1,12,240
	Police Constables Huts at the Lawrence Asylum site	21,614	"		21,730
<i>Civil Buildings</i>					
Ganjam	Improvements to the Zillah Jail at Berhampore	14,318	1,725	{ 12,593 reduced to 2,500 }	3,249
Vizagapatam	Constructing Zillah Jail at Vizagapatam	60,324	23,681	{ 20,000 reduced to 19,500 }	19,497
Kistnah	Guntur Jail	12,820	"	{ 5,000 increased to 7,150 }	6,288
Bellary	Improvements to the Jail at Bellary	24,000	"	{ Approximate }	5,046

District	Work	Estimate	Expenditure up to 30 April 1866	Allotment for 1866-67	Expenditure during 1866-67
<i>Civil Buildings (contd)</i>					
Salem	Alterations and improvements to the Salem Jail	"	"	5,000	5,037
South Arcot	Do. to the Cuddalore Jail	"	"	3,000	3,000
Trichinopoly	Improvements to the Jail at Trichinopoly	4,750	"	4,750	4,650
do	Extension of the Outer Drain of the District Jail at Trichinopoly	2,700	"	2,700	2,597
Malabar	Jail at Calicut	80,000	"	{ 20,576 increased to 22,304 }	19,638
Madurai	New Jail at Madurai	85,800	"	{ 30,000 increased to 35,000 }	34,999
Coimbatore	Constructing Central Jail at Rajahmundry	2,08,030	1,60,543	{ 43,679 reduced to 27,000 }	38,344
North Arcot	Central Jail at Vellore	1,08,000	"	{ 40,000 reduced to 20,000 }	19,987
Trichinopoly	Constructing a new Central Jail at Trichinopoly	{ Approximate } 5,70,000	"	15,000	15,048
Coimbatore	Central Jail at Coimbatore	3,50,000	2,53,471	{ 50,000 increased to 70,000 }	75,213
Malabar	Do. at Cannanore	"	"	{ 30,000 reduced to 20,000 }	20,236
Presidency	Extending the Enclosure wall of the Penitentiary	16,860	"	{ 16,700 reduced to 15,950 }	15,950

District	Work	Estimate	Expenditure up to 30 April 1866	Allocation for 1866-67	Expenditure during 1866-67
On Presidency	Civil Buildings (cont)				
	Alterations and additions to the Jailers Quarters at the Prison	5,330	.	4,160	5,147
do	Drainage of the Prison	2,700	"	2,700	2,700
do	Bringing 7 wells water from General Hospital to the Prison	3,200	554	{ 3,200 reduced to 544 }	544
Madura	Small Cause and Principal Sudder Ameen's Court houses at Madura	27,500	.	{ 10,000 reduced to 9,799 }	9,799
do	Salug Cutcherry at Ongole	11,334	8,494	{ 2,190 increased to 2,840 }	1,858
Bellary	Re-roofing the Hospital Salug Cutcherry	2,150	1,205	{ 945 reduced to 895 }	894
Coondapah	Pellampett Salug Cutcherry	7,300	4,792	2,508	2,797
Turnool	Salug Cutcherry at Kailkornetta	7,700	.	{ 3,500 reduced to 2,000 }	1,931
Tanjore	Improvements to the new salt Pans at Trauguebar	5,720	1,926	{ 3,910 reduced to 3,020 }	2,152
do	Forming approach to the new Platform at Trauguebar	2,590	.	{ Superior 2,590 reduced to 1,500 Superior 1,090 }	1,452
Presidency	Latrines and Lavatories in connection with the General Hospital			{ 8,600 reduced to 1,000 }	7,623

District	Work	Estimate	Expenditure up to 30 April 1866	Allocation for 1866-67	Expenditure during 1866-67
Presidency	Civil Buildings (concluded)				
	New Cook house at the General Hospital			3,800	2,837
do	New Dead house at do	{ approximate 2,750 }		{ 2,750 reduced to 2,250 }	2,249
do	Drainage of do			{ 600 increased to 3,170 }	4,447
do	Fixing iron Railings in the Hospital Compound and laying out Flower gardens	10,350	6,332	4,018	4,018
do	Putting up iron railings from the Central wing of the General Hospital to the Coorn river	5,430	1,712	{ 3,718 reduced to 1,818 }	1,629
do	Laying down pipes for supplying water from the Seven wells to the General Hospital	4,540	845	{ 500 increased to 1,500 }	1,556
do	Constructing a Sanatic Asylum at Madras			20,000	20,028
do	Erecting an iron and brass Foundry at Chepauk	28,530	6,000	{ 11,530 increased to 22,530 }	22,530
do	Church at Otacamund	53,830		{ 7,309 increased to 14,943 }	15,000
<u>Agricultural.</u>					
Godavery	Raising the Godavery Aicut	3,00,000	2,28,023	{ 73,494 reduced to 50,000 }	50,000
Madras	Raising the Casaveram aicut	6,060		6,060	4,560

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District	Work	Estimate	Expenditure up to 31st April 1866	Amount for 1866-67	Expenditure during 1866-67
South Arcot	Agricultural (cont) Constructing an Aricut across the Manimotha Naddy River	4,000		{ 3,500 increased to 1,600 }	1,600
Tanjore	Constructing a sluice and 7 arches, and completing an additional laterite and rough stone apron at the northern extremity of the South branch of the Lower Coleroon Aricut	74,000			
	Do an additional laterite and rough stone apron with retaining walls at the advanced portion of 3 sluices in the southern branch of the Lower Coleroon Aricut	16,000		{ 28,524 increased to 50,617 }	50,025
Kiethak	Commamoor Channel project	185,460	51,172	{ 30,000 increased to 24,800 }	24,117
do	Western Bank channels	1,46,479	95,750	{ 25,000 increased to 16,200 }	13,793
do	Widening lower portion of the Pullairu	1,04,050	82,783	{ 13,998 increased to 12,498 }	12,493
do	Sloping down the banks of the Sebanagram main Canal	2,76,404	1,53,819	{ 16,000 increased to 16,420 }	18,555
do	Constructing a 1 st class Lock at Dugeralla	27,800	5,279	{ 10,000 increased to 12,796 }	13,734

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District	Work	Estimate	Expenditure up to 31st April 1866	Amount for 1866-67	Expenditure during 1866-67
Nellore	Agricultural (enclosed) Improvements to the Nellore Tank.	17,100	8,182	{ 5,000 increased to 5,800 }	5,790
do	River embankment west of Nellore	16,400	5,822	{ 6,000 increased to 5,200 }	5,210
do	River embankment east of Nellore	13,410	10,223	{ 3,187 increased to 3,487 }	3,560
Madras	Madras Water Supply project	6,11,759		{ 1,10,800 increased to 61,683 }	61,683
North Arcot	Widening the Cheyaur Channel	35,000	15,586	{ 14,110 increased to 19,410 }	19,775
Trichinopoly	Constructing 10 surplus sluices on the north bank of the Coleroon	12,380	24,20	{ 5,000 increased to 6,490 }	6,483
do	Do 6 do on the south bank of do	7,920	4,675	{ 3,245 increased to 2,245 }	2,245
do	Constructing sluices for the Wyacondan Channel	16,500		5,000	5,045
Tanjore	Improving the irrigation of the Vadavaur Head	5,184	1,900	3,284	3,284

District

Work.

Expenditure Allocated
up to 30th April 1866/67 for during
Estimate 1866/67. 1866/67.

Communications

Ganyam	Road from Ashta to Gypulponka	47,690	14,276	10,000	9,999
Do	Do from Ashta to Pukelandah.	44,640	29,212	10,000 increased to 13,017	13,016
	Branch road from Pallepuddu to Kurcholly	27,950			
Do	Road from Ashta to the Ganyam fort and salt pans	62,700	50,590	17,000 reduced to 12,16	10,32
Do	Excavating a Canal from the Chilka Lake to the Ganyam river	118,200		60,000 reduced to 14,000	15,209
Vijayapatnam	Road from Vijayapatnam to Aspepur	115,000	57,555	15,395 reduced to 14,642	14,642
	Road from Vijayanagaram to Boudane	53,080	47,455	6,751	4,309
Podavery	Works for the Croft Drainage of the Ellore High Level Canal	105,486	29,684	30,000 reduced to 25,000	26,927
Do	New Girder bridge at Coa. made	81,683	54,976	19,981 increased to 25,664	25,664
Ellore	Constructing an embanked road and masonry works across the Musamer Valley on Trunk Road No 6.	68,630	22,714	Imperial 15,000 increased to 37,44	Imperial 15,000 income tax 3742

District	Work	Estimate up to 30 April 1866	Actual Expenditure April 1866 to 30 April 1867	Estimate up to 30 April 1867	Actual Expenditure April 1867 to 30 April 1868
Communications / cont.					
Mellore	Bridge across the Hydarnu on Trunk Road No 6	2,100	11,428	Imperial 10,000 reduced to 8,500 Income Tax 200	Imperial 6,500 Income Tax 200
Do	Angals and Mollapatani road	50,200	45,529	4,670	5,624
Cuddapah	Road from the Nundalor Railway Station to Nundalor	7,312	5,082	2,230	1,931
Pellary	Road from Pellary to Cuddapah frontier	102,200	101,504	Imperial 896 reduced to 4,128 Income Tax 1,252	Imperial 896 Income Tax 1,252
Cuddapah	Do from Cuddapah to Pellary frontier	106,431	90,689	Imperial 5,028 reduced to 5,005 Income Tax 1,712	Imperial 5,107 Income Tax 1,195
Do	Do from Cuddapah to Nundalor frontier	61,518	14,490	Income Tax 7,000	Income Tax 7,000
Nundalor	Do from Nundalor to Cuddapah frontier	60,000	48,183	11,813	11,843
Presidency	Cornu river bridge	"	"	Income Tax 52,000	Income Tax 2,772
Madras	Improving a portion of Trunk Road No 13 between Tenamooche and Corator	11,000	"	Income Tax 5,000	Income Tax 5,020
North Arcot	Improving the road from the town of Tripattly to the Tripattly Railway Station thence to Calashy	28,750	"	Income Tax 6,893	Income Tax 6,893

District	Work	Estimate up to 30 April 1866	Actual Expenditure April 1866 to 30 April 1867	Estimate up to 30 April 1867	Actual Expenditure April 1867 to 30 April 1868
Communications / cont.					
North Arcot	Constructing a line of road from Venkatacherry to Yarrigott	2,400	"	Income Tax 10,000	Income Tax 9,824
Do	Road from Calashy to Naidupett on Trunk Road No 6	34,500	"	Income Tax 10,000	Income Tax 9,850
Salem	Completing the road from Gpoor to Malabar	8,320	4,478	Imperial 1,120 reduced to 2,239 Income Tax 2,239	Imperial 1,120 Income Tax 2,239
Do	Road from Taramangalam to the Taramangalam Railway Station	14,300	10,642	600	600
Do	Improving the road from Desattipally on Trunk Road No 5	5,500	1,206	Imperial 2,000 reduced to 2,009 Income Tax 285	Imperial 2,051 Income Tax 285
Do	Constructing a cut track between Palakode and the Morapur Railway Station	18,200	14,109	Income Tax 1,972	Income Tax 1,970
Tanjore	Constructing road from the Railway Station to Kevaloor to the town of Kevaloor	3,690	3,028	662	597
Do	Metalling road from the Negapatam Railway Station to Nagore	25,750	23,290	Imperial 2,415 reduced to 750 Income Tax 1,695	Imperial 750 Income Tax 1,62
Do	Sanction Canal from Negapatam to Tenopoor	24,165	20,745	Imperial 3,320 reduced to 1,500 Income Tax 1,920	Imperial 1,440 Income Tax 2,103

District	Work	Estimate up to 30 th April/66	Allocated for April/66 to 30 th April/67	Expenditure during 1866/67
Tanjore	Communications (cont) Completing the navigable Canal between Negapatam and Vadarivern	70,410	3797	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{8,590} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,922} \end{array} \right\}$
Trichingopoly	Road from Trichingopoly to Arcalur and Waddiarpollim to its junction with Trunk Road No 9.	43,600	25,095	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{8,555} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,752} \end{array} \right\}$
Do	Constructing a road from Trichingopoly to the Salem boundary, via Torioor	50,000	3,327	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{4,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,000} \end{array} \right\}$
Chintalore	Coroor. Shank new trace	24,000	100,822	30,000 5,596
Do	New Goodaloor Shank	81,400	10,739	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{15,000} \\ \text{Imperial} \\ \text{12,355} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{12,355} \end{array} \right\}$
Do	New line of road from Chintalore to the head of the Goodaloor Shank at Vaddi.	66,762	7,007	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{7,462} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{7,462} \end{array} \right\}$
Do	Burghoor Shank new trace	72,100	2,116	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{5,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{5,000} \end{array} \right\}$
Do	New road connecting Kottagerry and Wellington with the new Coroor Shank	33,427	4,785	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{4,642} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,642} \end{array} \right\}$

District	Work	Estimate up to 30 th April/66	Allocated for April/66 to 30 th April/67	Expenditure during 1866/67
Malabar	Communications (cont) Karkoor Shank road and bridges below	32,550	18,356	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{8,212} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{2,525} \end{array} \right\}$
Do	Tumbacherry Shank	14,643	7,562	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{2000} \\ \text{Imperial} \\ \text{2,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{2,000} \end{array} \right\}$
Do	Earthwork & bridges from Lickady to Vythery	25,150	9,805	8,000 17,90
Do	Road between Vythery and Kulpatty	41,400	13,776	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{1000} \\ \text{Imperial} \\ \text{1,700} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{1,700} \end{array} \right\}$
Do	Bridge over the Koonath river	10,000	5,352	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{7000} \\ \text{Imperial} \\ \text{3,500} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,800} \end{array} \right\}$
Do	Do over the Kulpatty river	14,500		$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{5400} \\ \text{Imperial} \\ \text{4,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,000} \end{array} \right\}$
Do	Road from Kulpatty to Sultan's Battery		1,278	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{7000} \\ \text{Imperial} \\ \text{800} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{7,82} \end{array} \right\}$
Do	Do from Sultan's Battery to the Mysore frontier	30,000	4,810	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{7000} \\ \text{Imperial} \\ \text{7,200} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{6,726} \end{array} \right\}$
Do	Tornide road	60,660	41,455	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{15,000} \\ \text{Imperial} \\ \text{4,405} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{4,405} \end{array} \right\}$
Do	Karkoor Shank	107,400	35,117	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{20000} \\ \text{Imperial} \\ \text{18,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{18,000} \end{array} \right\}$
Do	Road from Karkoor Shank to Goodaloor	64,086	16,300	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{7000} \\ \text{Imperial} \\ \text{10,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{11,005} \end{array} \right\}$
Do	Do from Goodaloor to Tippacaudor	58,388	29,667	$\left\{ \begin{array}{l} \text{Imperial} \\ \text{reduced to} \\ \text{7000} \\ \text{Imperial} \\ \text{8,000} \end{array} \right\} \left\{ \begin{array}{l} \text{Imperial} \\ \text{2000} \\ \text{Imperial} \\ \text{8,715} \end{array} \right\}$

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District	Work	Estimate April 1866	Allocation for April 1866	Expenditure during 1866/67
Communications (contd.)				
Malabar	New Teriah Ghaut	78000	18922	$\left. \begin{array}{l} 19618 \\ \text{increased to} \\ 25013 \end{array} \right\} 27460$
South Canara	Bridge work on the road to connect Mangalore & Cannanore, by Villoi and Hoosdroog	69584	15469	$\left. \begin{array}{l} 10000 \\ \text{increased to} \\ 14980 \end{array} \right\} 15128$
Madura	Bridge across the Muv. - mooganudely river	36450	25490	$\left. \begin{array}{l} 7960 \\ \text{increased to} \\ 10960 \end{array} \right\} 10960$
Do	Road from Tirunmangalam to the Coimbatore boundary	165000	23540	$\left. \begin{array}{l} \text{Imperial} \\ 15000 \\ \text{reduced to} \\ 8700 \\ \text{income tax} \\ 1300 \end{array} \right\} \begin{array}{l} \text{Imperial} \\ 12055 \\ \text{income tax} \\ 1300 \end{array}$
Tinnevely	Road No 8 from Palamcottah to Tuticorin	130000	41400	$\left. \begin{array}{l} \text{Imperial} \\ 15000 \\ \text{reduced to} \\ 8420 \\ \text{income tax} \\ 2004 \\ \text{increased to} \\ 7147 \\ \text{Road} \\ 4000 \end{array} \right\} \begin{array}{l} \text{Imperial} \\ 7920 \\ \text{income tax} \\ 7122 \\ \text{Road} \\ 3415 \end{array}$
Do	Road No 4 from Madura to Arumboddy line	30000	10000	$\left. \begin{array}{l} \text{Imperial} \\ 10000 \\ \text{reduced to} \\ 5000 \\ \text{income tax} \\ 5361 \end{array} \right\} \begin{array}{l} \text{Imperial} \\ 2783 \\ \text{income tax} \\ 5582 \end{array}$

Miscellaneous Pub Improv-
-ment.

Palnath	Goodwater Channel from Nittanagraw Bridge to Robertsonpettah	18080	10927	$\left. \begin{array}{l} 6120 \\ \text{reduced to} \\ 5470 \end{array} \right\} 4557$
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District	Work	Estimate April 1866	Allocation for April 1866	Expenditure during 1866/67
Miscellaneous Public Improvements (contd.)				
Palnath	Extension of good water conduits in the town of Manipalattam	18650		$\left. \begin{array}{l} 7000 \\ \text{reduced to} \\ 6000 \end{array} \right\} 6000$
Madura	Cutting inner angle of the Reef Channel at Eumubam	43340	25003	$\left. \begin{array}{l} 7000 \\ \text{reduced to} \\ 2803 \end{array} \right\} 2632$

Signature

12/20/67
2046

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To The Secy to the
Govt of India P.H.S
Sir, I am directed to
forward for the infor-
-mation of the Govt
of India three copies
of the Administration
Report of the P.H. Dept.
of this Presidency for
the past offl year -

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Gentl & the agent
9th July 1867

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signed copy of the Acce Report, 9th July

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