Proceedings of the Madras Government, Revenue Department, 28th October 1870.

No. 316. Read the following Proceedings of the Board of Revenue, dated 20th September 1870, No. 5,800 :—

Read the following replies from Collectors to the Proceedings of the Board of Revenue, dated 28th October 1869, No. 8,009 :—

From the Collector of Ganjam, dated 18th February 1870, No. 161, recorded in Board's Proceedings, dated 25th March 1870, No. 1,970.

,, Ag. Principal Asst. Collr. in charge of Vizagapatam.	,,	20th January 1870,	No. 54.
,, Collector of the Godavery District,	,,	13th November 1869,	,, 298.
,, Offg. Collr. of the Kistna District,	,,	7th December ,,	,, 370.
,, Acting Collector of Nellore,	,,	10th November ,,	,, 2,119.
,, ,, ,, of Bellary,	,,	17th ,,	,, ,, 281.
,, Collector of Cuddapah,	,,	27th ,,	,, ,, 195.
,, ,, Kurnool,	,,	11th February 1870,	,, 48.
recorded in Board's Proceedings,	,,	28th ,,	,, ,, 1,408.
,, Acting Collector of Madras,	,,	10th March	,, ,, 70.
,, Collector of Salem,	,,	12th April	,, ,, 66.
,, ,, North Arcot,	,,	29th March	,, ,, 106.
,, ,, South Arcot,	,,	8th November 1869,	,, 258.
recorded in Board's Proceedings,	,,	16th ,,	,, ,, 8,469.
,, Collector of Tanjore,	,,	18th ,,	,, ,, 252.
,, ,, Trichinopoly,	,,	4th December	,, ,, 299.
,, Officiating Collector of Madura,	,,	15th February	,, ,, 43.
,, Acting ,, Tinnevelly,	,,	11th ,,	,, ,, 58.
recorded in Board's Proceedings,	,,	26th ,,	,, ,, 1,347.
,, Acting Collector of Coimbatore,	,,	9th May	1870, ,, 104.
,, Commissioner of the Neilgherries,	,,	3rd December	1869, ,, 176.
,, Officiating Collector of South Canara,	,,	22nd April	1870, ,, 510-A.
,, ,, ,, Malabar,	,,	13th December	1869, ,, 335.
recorded in Board's Proceedings,	,,	26th January	1870, ,, 566.
,, Officiating Collector of Malabar,	,,	18th February	,, ,, 71.

These papers will be recorded for the present until a machine to prepare the fibre of the Rhea grass has been invented. Without this it is apparently impossible to grow it with any chance of profit; but there is no doubt it will grow luxuriantly on all the hills in the Presidency and (apparently) in the plains ; at any rate in Coimbatore and the districts on the Western Coast.

2. The Board observe that Mr. McIvor says the common Neilgherry Nettle yields a fibre superior to that of the Rhea grass. The Honorary Secretary to the Horticultural Society will be requested to favour the Board with his opinion on this point.

Proceedings of the Madras Government, Revenue Department,
28th October 1870.

No. 317. ORDER THEREON, 28th October 1870, No. 1,654.

Miscellaneous.

ORDERED to be recorded.

(True Extract.)

(Signed) R. A. DALYELL,
Acting Secretary to Government.

To the Board of Revenue.

Exd. F. R. Bantleman.

(5)

No. 1,970.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 25th March 1870.

Read letter from the Collector of Ganjam, dated 18th February 1870, No. 161, requesting to be supplied with seed of the China grass.

THE Board regret that they have no seed.

2. The Honorary Secretaries of the Agri-Horticultural Society and Farm Committee will be requested to be good enough to forward a supply if procurable.

(A true Extract.)

(Signed) A. MACGREGOR,
Acting Secretary.

To the Acting Collector of Ganjam.
" the Honorary Secretary Agri-Horticultural Society.
" the do. do. Farm Committee.
Copy to the Officiating Collector of the Kistna District, with reference to his letter dated 7th December 1869.

Exd. T. Cartledge.

Govt. of {1870} Madras.

REVENUE.

To

THE BOARD OF REVENUE.

Dated October, 28th.

Recd. *Encl.*

G. O., 28th October 1870, No. 1,654.

OCTOBER.
Nos. 316-317.

Rhea or China Grass.—Proceedings Board of Revenue on the replies of the Collectors with reference to its cultivation, recorded.

(5)

From H. SEWELL, Esq., Acting Principal Assistant Collector in charge of the Vizagapatam District, to the Acting Secretary to the Board of Revenue, dated 20th January 1870, No. 54.

With reference to the Proceedings of the Board of Revenue, dated October 28th, 1869, No. 8,009, I have the honour to report that the cultivation of China grass is unknown in the district, and I do not apprehend that it could be introduced except through the agency of a Model Farm of some kind which would involve considerable expense to Government.

Encl. G. A. Turton.

1870.

Board of Revenue,

MADRAS.

Proceedings, 25th March 1870, No. 1,970.

Received

MARCH.

No. 1,970.

China grass seed.—Application of Collector of Ganjam for a supply of, forwarded to Honorary Secretaries of Agri-Horticultural Society and Farm Committee, for compliance, if seed can be procured.

From J. FRASER, Esq., Collector of the Godavery District, to the Acting Secretary to the Board of Revenue, dated Cocanada, 13th November 1869, No. 298.

In reply to Board's Proceedings, No. 8,009, of 28th October 1869, I have to state that China Grass is entirely unknown in this district. No one even knows what the plant looks like.

2. If Government choose to send plants or seed to me with directions for their treatment, I will have experiments carefully made with them.

Exd. T. Cartledge.

From J. FRASER, Esq., Collector of the Godavery District, to the Acting Secretary to the Board of Revenue, dated Cocanada, 13th November 1869, No. 298.

In reply to Board's Proceedings, No. 8,009, of 28th October 1869, I have to state that China Grass is entirely unknown in this district. No one even knows what the plant looks like.

2. If Government choose to send plants or seed to me with directions for their treatment, I will have experiments carefully made with them.

Exd. T. Cartledge.

From J. A. C. BOSWELL, Esq., Officiating Collector of the Kistna District, to the Acting Secretary to the Board of Revenue, dated Nandigama, 7th December 1869, No. 370.

With reference to Board's Proceedings, dated 28th October 1869, No. 8,009, I have the honour to report that China Grass is not grown in this district. The Telugu name of this plant is unknown here, and it is not found in Major Heber Drury's Work on the useful plants of India. I request the Board will be pleased to inform me of its Telugu name, and send me at the same time, if procurable, a small quantity of seed of this plant to enable me to try the same in this district, and ascertain whether the ryots would undertake the cultivation of the same, and in what soils it would best thrive.

Exd. T. Cartledge.

From R. J. MELVILLE, Esq., Acting Collector of Nellore, to the Acting Secretary to the Board of Revenue, dated 10th November 1869, No. 2,119.

In reply to the Board's Proceedings, dated 28th October 1869, No. 8,003, I have the honour to state that China grass is not known in this district.

Exd. J. Tulloch.

From J. H. MASTER, Esq., Acting Collector of Bellary, to the Acting Secretary to the Board of Revenue, dated Hospet, 17th November 1869, No. 281.

With reference to the Proceedings of the Board of Revenue, dated the 28th ultimo, No. 8,009, I have the honour to report that no China grass is grown in this district.

2. This being the case it is impossible for me to say whether the cultivation of the plant would be undertaken by the people.

3. I should be glad, however, if a few plants could be supplied that the people might see it.

Exd. J. Tulloch.

From G. VANSAGNEW, Esq., Collector of Cuddapah, to the Acting Secretary to the Board of Revenue, dated 27th November 1869, No. 195.

ADVERTING to Proceedings of the Board, dated 28th ultimo, No. 8,009, I have the honour to state that, as far as can be ascertained, the China grass is not grown in this district. Also that it may be safely asserted that neither the cultivation of this, nor of any other new plant, would be undertaken by the people of this district, unless abundant ocular demonstration was afforded them, at the public expense, of its being certain to be profitable.

Exd. J. Tulloch.

10

No: 1,408.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 28th February 1870.

Read the following letter from T. A. N. CHASE, Esq., Collector of Kurnool, to the Acting Secretary to the Board of Revenue, dated 11th February 1870, No. 48:—

WITH reference to Board's Proceedings, No. 8,009, dated 28th October 1869, I have the honour to state that China grass is not grown in any part of this district.

2. Ryots of some of the talooks are willing to cultivate it, if instructions are given them regarding the mode of its cultivation, and the description of the soil best adapted to its growth.

3. I would therefore request that a small supply of its seed may be sent to me for experimental cultivation.

COMMUNICATED to the Honorary Secretaries Government Farm and Agri-Horticultural Society for a supply of the seed if available.

(A true Copy and Extract.)

(Signed) A. MACGREGOR,
Acting Secretary.

To the Honorary Secretary Government Farm.
,, the Honorary Secretary Agri-Horticultural Society.
Copy to the Collector of Kurnool.

Exd. T. Cartledge.

From W. T. BLAIR, Esq., Acting Collector of the Madras District, to the Acting Secretary to the Board of Revenue, dated Poodoovoil, 10th March 1870, No. 70.

With reference to the Board's Proceedings of the 28th October last, No. 8,009, I have the honour to state, that China grass is not grown in this district, neither is there any immediate prospect of the agricultural population in this district undertaking its cultivation.

2. It is admitted by the Government of India, that the want of a suitable machine for preparing the fibre has been, and is still, the real obstacle to the development of an extensive trade in this article.

3. Until, therefore, this want is supplied, all efforts to promote the growth of this plant must prove unavailing.

Ed. G. A. Turton.

1870.

Board of Revenue, MADRAS.

PROCEEDINGS 28TH FEBRUARY 1870, No. 1,408.

Encl.

Received

FEBRUARY.

No. 1,408.

China Grass.—Letter from Collector of Kurnool reporting that cultivation of, is not carried on in District, and requesting to be supplied with a small quantity of seed for trial, communicated to Honorary Secretaries of Government Farm and Agri-Horticultural Society.

From C. N. POCHIN, Esq., Collector of Salem, to the Acting Secretary to the Board of Revenue, dated Camp at Mallur, 12th April 1870, No. 66.

I HAVE the honour to inform you, that the cultivation of China or Rhea grass, is not carried on in this district. Prior, however, to the receipt of the Board's Proceedings, No. 8,009, 28th October 1869, some cuttings of this plant were obtained from the Western Coast by Captain Hindle of the Department Public Works. These cuttings were planted on the Shevaroy Hills. I saw them about August last, and they then appeared to have taken root, and were getting on well. The grass (looks more like a description of Nettle) after growing to the height of 3 feet, was cut down within 6 or 8 inches of the ground, and fresh cuttings were planted out. Some are now growing in my garden at the Bears' cave, but as I have not been able to see the progress that they have made for the last two or three months, I waited till an opportunity occurred, and this is the reason I did not write to the Board before. I consider, however, that I may say that, Rhea grass can be well cultivated on the hill tracts, in well selected spots.

2. As to whether the cultivation of the plant would be undertaken by the people, I have inquired, and the opinion I have arrived at is, that the natives would take up the culture, if they found a remunerative price, and a ready sale was obtainable. If District Officers were to be allowed a small sum, for experimenting, and showing the culture of the plant, others might be induced to follow the example, and I would suggest, therefore, that I might be allowed to expend 50 Rupees say, for this purpose.

Exd. G. A. Turton.

13

From J. D. ROBINSON, Esq., Collector of North Arcot, to the Acting Secretary to the Board of Revenue, dated Chittoor, 29th March 1870, No. 106.

I HAVE the honour, in reply to the Proceedings of the Board, dated 28th October last, No. 8,009, to report that the Rhea plant or China grass is unknown in this district, nor do I think there would be any use in making a hap-hazard distribution of seed until it has been ascertained by carefully conducted experiments that the conditions of climate and soil admit of its being generally cultivated as a profitable product.

2. As a first step towards its introduction a simple Memorandum of Instructions respecting the habit of the plant and mode of cultivation would be required. With this as a guide, some experiments might then be made under the direction of the Divisional Officers with any seed of the plant which the Board might be able to send for such purpose.

Exd. T. Cartledge.

No. 8,469.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 16th November 1869.

Read the following letter from C. W. READE, Esq., Collector of South Arcot, to the Acting Secretary to the Board of Revenue, dated Cuddalore, 8th November 1869, No. 258:—

REFERRING to the orders of the Government of India, conveyed through the Board, in their Proceedings, under date the 28th October 1869, No. 8,009, it seems desirable that further information should be afforded as to the best soils and localities adapted for the production of China grass, and as well particulars as to period and mode of sowing the seed grass, *i. e.*, what month, and whether the land should be slightly turned up with the plough, and the seed sown broad-cast or in close furrows made for the purpose.

2. From all that is stated in the remarks of the Government of India, I imagine that the grass might be propagated extensively in this district, and I would at once experimentalise on receiving a quantity of seed with instructions as above for my guidance.

FORWARDED to the Honorary Secretary of the Government Farm, who is requested to give such information as is available on this subject.

(A true Copy and Extract.)

(Signed) A. MACGREGOR,
Acting Secretary.

To the Honorary Secretary of the Government Farm.

Copy to the Collector of South Arcot.

Exd. G. A. Turton.

1869.

Board of Revenue,

MADRAS.

PROCEEDINGS, 16TH NOVEMBER 1869, No. 8469.

Encl.

Received

NOVEMBER.

No. 8,469.

China grass.—Application of Collector of South Arcot for further information as to best soils and localities adapted for production of, and particulars as to period and mode of sowing seed grass, forwarded to Honorary Secretary, Government Farm Committe, with request to furnish such information on this subject, as is available.

From G. LEE-MORRIS, Esq., Collector of Tanjore, to the Acting Secretary to the Board of Revenue, dated Vallam, 18th November 1869, No. 252.

WITH reference to the Board's Proceedings, dated the 28th October 1869, No. 8,009, I have the honour to state, that China Grass is not grown in this district, and that there is very little likelihood of its cultivation being undertaken by the people.

2. As the Board are aware, in the Tanjore Delta there is very little ground not appropriated to the cultivation of rice and other more remunerative or, at any rate, more certain produce; and in the upland tracts there is not sufficient moisture for the growth of such plants as China Grass.

Exd. T. Cartledge.

From G. BANBURY, Esq., Collector of Trichinopoly, to the Acting Secretary to the Board of Revenue, dated 4th December 1869, No. 299.

ADVERTING to the Board's Proceedings, No. 8,009, dated 28th October last, I have the honour to report that China grass is not grown in this district. If the Board will send me some of the seeds or plants I will have them tried in the Government Gardens at Kariamanikum and Pitchandar Kovil, which are situated on the river bank. The soil of these gardens is the finest alluvial deposit which would grow anything that *will* grow anywhere on the plains.

Exd. J. Tulloch.

From J. R. ARBUTHNOTT, Esq., Officiating Collector of Madura, to the Acting Secretary to the Board of Revenue, dated 15th February 1870, No. 43.

With reference to the Board's Proceedings, No. 8,009, dated 28th October last, I have the honour to report, that no China grass is grown in this district, and that the ryots are not disposed to undertake its cultivation.

2. I have written to ask Mr. E. A. Campbell, if he is willing to undertake the experimental cultivation of some of this grass.

Exd. G. A. Turton.

18

No. 1,347.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 26th February 1870.

Read the following letter from C. T. LONGLEY, Esq., Acting Collector of Tinnevelly, to the Acting Secretary to the Board of Revenue, dated 11th February 1870, No. 58:—

WITH reference to Board's Proceedings, dated 28th October 1869, No. 8,009, I have the honour to report that China grass is not grown in this district, and request that a small quantity of the seed may be sent for experimental cultivation.

ORDERED to be recorded.

(A true Copy and Extract.)

(Signed) A. MACGREGOR,
Acting Secretary.

To the Acting Collector of Tinnevelly.

Exd. T. Cartledge.

From H. E. SULLIVAN, Esq., Acting Collector of Coimbatore, to the Acting Secretary to the Board of Revenue, dated 9th May 1870, No. 104.

In reply to the Board's Proceedings of 28th October 1869, No. 8,009, I have the honour to report, that no "Rhea" or China grass is grown in this district except a small quantity lately planted in my garden, which has succeeded wonderfully well.

2. I propose to distribute a few plants. It will thrive apparently very well in the plains wherever there is water and shade.

Exd. T. Cartledge.

Exd. T. Cartledge.

No. 8,191.

1870.

Board of Revenue.

MADRAS.

PROCEEDINGS 20TH FEBRUARY 1870, No. 1,347.

Received

Read

Exd.

FEBRUARY.

No. 1,347.

China grass.—Letter from Collector of Tinnevelly reporting that cultivation of is not carried on in District, and requesting to be supplied with a small quantity of seed for experimental cultivation, recorded.

From J. W. BREEKS, Esq., Commissioner of the Neilgherries, to the Acting Secretary to the Board of Revenue, dated Ootacamund, 3rd December 1869, No. 176.

With reference to Board's Proceedings, No. 8,009, of the 28th October last, calling for report whether the China grass is grown in this district, and if not, whether the cultivation of the plant would be undertaken by the people, I beg to forward copy of a letter from the Superintendent, Government Botanical Gardens. Native cultivators on these hills are not likely, in my opinion, to attempt its cultivation.

Enclosure No. 1.

From W. G. McIVOR, Esq., Superintendent, Government Botanical Gardens, to the Commissioner of the Neilgherries, Ootacamund, dated 26th November 1869, No. 122.

With reference to your letter, No. 337, under date 24th instant, and the Proceedings of the Board of Revenue, No. 8,009, I have the honour to inform you that the Rhea or China grass was introduced to these hills about fifteen years ago. The plant grows freely and yields a fibre somewhat inferior to our Neilgherry nettle; the climate of Coonoor and Kuhutty is very favourable for the growth of the China grass.

2. A plantation was established at the former place about five years ago, but in consequence of the difficulty of preparing the fibre the cultivation was abandoned.

(True Copy.)

(Signed) J. W. BREEKS,
Commissioner.

Exd. J. Tulloch.

From A. McC. WEBSTER, Esq., Officiating Collector of South Canara, to the Acting Secretary to the Board of Revenue, dated Mangalore, 22nd April 1870, No. 510A.

With reference to the Board's Proceedings, dated the 28th October 1869, No. 8,009, I have the honour to state that the Rhea or China grass plant is not, as far as I am aware of, cultivated in this district. It is cultivated to a small extent in Mercara, and Mr. Thomas wrote to the Principal* of the Mercara Central School for a small supply of cuttings. These I expect before the monsoon, and they will, on their arrival, be distributed to a few energetic landholders who, I am sure, will only be too happy to try the cultivation.

* Reverend G. Richter.

Exd. G. A. Turton.

No. 566.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 26th January 1870.

Read the following letter from A. McC. WEBSTER, Esq., Officiating Collector of Malabar, to the Acting Secretary to the Board of Revenue, dated Calicut, 13th December 1869, No. 335:—

WITH reference to Board's Proceedings, dated 28th October 1869, No. 8,009, I have the honour to request that I may be furnished with a description, and if possible the vernacular name of the China Grass alluded to.

COMMUNICATED to the Honorary Secretaries of the Government Farm and Agri-Horticultural Society, who are requested to be good enough to furnish the information required by the Collector, if available.

(A true Copy and Extract.)

(Signed) A. MACGREGOR,
Acting Secretary.

To the Honorary Secretary of the Government Farm.
,, the Honorary Secretary of the Agri-Horticultural Society.

Copy to the Officiating Collector of Malabar.

Exd. E. C. Shunker.

From A. McC. WEBSTER, Esq., Officiating Collector of Malabar, to the Acting Secretary to the Board of Revenue, dated Calicut, 18th February 1870, No. 71.

With reference to the Board's Proceedings, dated 28th October 1869, No. 8,009, I have the honour to state that China Grass is grown at Lackadi in this district. I believe that Mr. Pierce of the Firm of Pierce, Leslie, & Co., intends to try the cultivation at Pudupady at the foot of the Tambercherry Ghaut. The plants at Luckady are, I am informed, thriving well, and I hope to obtain some plants shortly for distribution among the agriculturists in other parts of the district, in view to its more extended cultivation.

Ad. T. Cartledge.

1870.

Board of Revenue,

MADRAS.

PROCEEDINGS, 26TH JANUARY 1870, No. 566.

Encl.

Received

JANUARY.

No. 566.

China grass,—Letter from Collector of Malabar requesting to be furnished with a description of, and vernacular name of plant, communicated to Honorary Secretaries of Government Farm and Agri-Horticultural Society with request to supply information applied for.

Enclosure in the Pro: of the Bd of Rev: to the Secy to Govt R. D of 20th Sept/70 No: 5800.

Rev-2983/70.
From 25 Oct/70 2 Ls 316

14

List of works entered in the District Road Fund Budget of 1870-71, *for which estimates have not been sanctioned.*

Districts.	Number in the Budget.	Description of work.	Allotment for 1870-71.
~~Ganjam.~~ Vizagapatam	7	Road from Ankapully to Pudimadaka	Rs. 10,000
Cuddapah.	43	Do. Proddatoor to Nundialumpet	5,000
	45	Do. Pulivendla to Kadri	2,000
Bellary.	46	Do. Bellary to Sirgupah	3,000
	47	Do. Sirgupah to Adony	4,000
	48	Do. Bellary to Raidroog	3,000
	50	Do. Kosghee to Rachmurry	3,000
	51	Do. Bellary *viâ* Culliandroog to Cumbadoor...	5,000
Kurnool.	53	Do. Cumbum to Markapur	8,200
	55	Do. Raupoor pass to Nundecanamah Ghaut....	27,000
	56	Do. Dupad to Mantral Ghaut	3,000
	57	Do. Markapur to Dupad	5,000
	58	No. 1 Crossing near Chintagunta ... ... ,, 2 do. near Chagalmarry... ... ... ,, 3 do. near Arlaguddu in 71st mile of Trunk Road No. XVII. ... ... Other village roads in connection with other crossings below the Canal...	30,000
	59	Road from Peapally to the Deputy Collector's Office	500
Madras.	63	Do. Conjeveram to McLean's Choultry on Imperial Road No. III.	1,500
	64	Do. Cooum, etc, villages to Thundalum on Imperial Road No. III. on the 20th mile	2,000
	65	Do. Conjeveram to Thellar, lying in the Madras District, 3 miles...	1,500
	66	Do. 41st mile stone on Trunk Road No. VIII. (now No. II.) to Tetry on the road from Thellar to Conjeveram *viâ* Ootramalloor	8,000
North Arcot.	79	Do. Sholingur to Annadana Chuttrum	1,500
South Arcot.	82	Forming a road from Villupuram to Mambalapet	3,000
	84	Road from Cheniamputty (Chekady Jaghire) to Parangana-thur	2,000
Tanjore.	89	Do. No. 51 from Moonioor to Thalanayar along the south bank of Harichendranady river...	20,000
	90	Do. No. 68 from Poothoor on Road No. 2 to Poodoo-patnam near Devicottah along the bank of Poodo-mamunyar	5,000
	95	Reforming Road No. 26 from Moottoopetta to Valanganni ...	8,010
	96	Lengthening the sluices on Road No. 79. along the Arasalar south bank and providing a few Tunnels	4,100
	97	Forming Road No. 76 from Mannargudi to Moottoopetta between Pamaniar and Corayar rivers	5,000
	98	Metalling Road No. 39 from Papanasem to Saliamungalum ...	21,190
Madura.	104	Andalur Ghaut	4,000

Districts.	Number in the Budget.	Description of Work.	Allotment for 1870-71.
			Rs.
Tinnevelly.	120	Road from Viravanallur to Giriammalpuram	700
Coimbatore.	122	Constructing Bridges between Sattiamungalum and Bhowany *via* Attany	7,500
	123	Constructing road from Javangoundenhully to head of Hassanur Ghaut, 10 miles	2,500
Neilgherries.	124	For opening Bridle path from Kartery to Ootacamund	1,000
Salem.	125	Constructing a road from Shulagiri to Beriki, 10 miles	2,000
South Canara.	131	Reconstruction of the Uchilsal bridge on the Coast line ...	1,500
	133	Tracing a line to connect Subramany with Trunk Road No. 2, 30 miles	3,300
	134	Bridging and completing the Coast road south of Mangalore towards Manjeshwar	3,000
	135	Improving and re-tracing portions of the Jalsur and Kasargod road	2,000
	136	Continuation of do. to the river side	300
	137	Improvement of Malpi and Udipi road	1,500
Malabar.	138	Tracing road from Taliperamba by Chirikandapuram to Irkur, (District Road No. 5) 20 miles	5,000
	141	Bridge over Irumpuranji river on the road from Tambrachery to Areakod, (District Road No. 34)	11,800
	142	Widening road from Karaparamba to Kokotri bridge, 3 miles (Part of District Road No. 30.)	3,000
	143	Constructing Tunnels on the road from Manjeri to Wandur (District Road No. 37,) 18 miles	1,000
	145	Worampaya bridge on (part of District Road No. 41A), 15 miles	4,000

MADRAS PRESIDENCY.

PART I.

(1)

DETAILS of Estimate for Original works for 1870-71 to be executed out of the District Road Fund.

District.	Project. No.	Project. Locality.	Project. Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	Estimate for 1870-71. To be executed by Revenue Department.	Estimate for 1870-71. Total.	Remarks and references.
			Communications.	Rs.	Rs.	Rs.	Rs.	Rs.	
GANJAM.	1	.....	Road from Alikam to Heeramandalum.	63,200	28,500	20,000	...	20,000	Item No. 1 of the Budget of 1869-70. G. O., R. D., 24th Oct. 1868, No. 2,701.
	2	.....	Road from a point on the line between Aska and Sooradah to the Soorlah platforms.	73,875	49,945	23,930	...	23,930	Item No. 2 of do. do. G. O., R. D., 23rd July 1867, No. 1674.
	3	.....	Bridging the principal streams on the road from Aska to Pippalaponka up to Sooradah.	13,500	6,000	7,500	...	7,500	G. O., R. D., 14th July 1869, No. 2,039.
			Total...	...	...	51,430	...	51,430	
VIZAGAPATAM.	4	.....	Road from Vizianagram to Gajapatinagram, 12 miles.	38,480	10,000	20,000	...	20,000	Item No. 4 of the Budget of 1869-70. G. O., R. D., dated 25th January 1869, No. 216.
	5	.....	Road from Chodavaram to Anakapilli, 11 miles.	47,000	19,750	10,000	...	10,000	Item No. 6 of the Budget of 1869-70. G. O., R. D., 26th Aug. 1868, No. 2,260.
	6	.....	Branch road from Subbavaram to Addur to connect the Anakapilli and Chodavaram road, $11\frac{1}{16}$ miles.	32,600	19,300	13,210	...	13,210	Item No. 7 of do. do. G. O., do. do.

Details of Estimate for Original Works for 1870-71, etc.—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
			Communications.—(Continued.)	Rs.	Rs.	Rs.	Rs.	Rs.	
VIZAGAPATAM.—(*Concluded.*)	7	.....	Road from Ankapilli to Munagapaka, 4 miles.	15,990	16,860	10,000	...	10,000	Items Nos. 8 and 9 of the Budget of 1869-70. Revised estimate will be submitted. G.O., R.D., 3rd July 1869, No. 1,910.
	8	.....	Road from Munagapaka to Pudimadaka, 9½ miles.	45,230					
	9	.....	Road from Ramabhadrapuram to Pachipentah, *via* Salur, 12 miles.	41,730	11,750	14,010	...	14,010	Item No. 10 of the Budget of 1869-70. G. O., R. D., 14th Dec. 1868, No. 3105.
			Total...	...	...	67,250	...	67,250	
	10	.....	Road along the canal bank from Dowlaishwaram to Samulcotta.	1,04,440	54,440	50,000	...	50,000	Item No. 11 of the Budget of 1869-70. G. O., R. D., 21st November 1867, No. 2,761.
	11	.....	Road across Central Delta from Razole to Mukteswaram, being continuation of road from Cocanada *via* Draksharam and Kotipalli.	36,840	20,800	10,010	...	10,010	Item No. 12 of the Budget of 1869-70. G. O., R. D., 15th March 1869, No. 695.
	12	.....	Road from the River bank at Koderu through Kodamanchili Atsanta Maruteru and Penumantra to Attili, about 16 miles.	54,160	35,600	9,770	...	9,770	Item No. 13 of the Budget of 1869-70. G. O., R. D., 2nd May 1868, No. 1,202.
	13	.....	Road from Ellore to Hyderabad Frontier *via* Chintalapudi.	39,720	29,540	10,180	...	10,180	Item No. 15 of the Budget of 1869-70. G. O., R. D., 30th August 1869, No. 2,275.

GODAVERY.	14	.....	Road from Draksharam to Ramachendrapuram and thence to Mandapeta along canal bank *via* Pasalapudi, about 10 miles.	5,890	3,890	810	...	810	Item No. 16 of the Budget of 1869-70. G. O., R. D., 9th July 1869, No. 1,981.
	15	.....	Continuation of Viravasaram road to Akuvidu *via* Bhimavaram and Undi, about 16 miles.	34,950	15,240	11,580	...	11,580	Item No. 17 of the Budget of 1869-70. G. O., R. D., 17th March 1869, No. 729.
	16	.....	Road from Peravali to Vizheswaram along the east bank of Narasapore canal including bridges about 18 miles, with a branch road from Muparam to connect the main road with Ferry at Nidathavolu village.	34,600	14,050	17,550	...	17,550	Item No. 18 of the Budget of 1869-70. G. O., R. D., 11th October 1869, No. 2,767.
	17	.....	Road from Samulcotta *via* Pithapur to Bendapudi on Trunk Road No. 6, about 17 miles.	75,700	10,000	45,000	...	45,000	Item No. 22 of the Budget of 1869-70. G. O., R. D., 10th November 1869, No. 2,944.
	18	.....	Road from Yerravaram on Trunk Road No. 6 to Jaddanghi *via* Lingamparru, about 20 miles.	46,700	5,000	29,000	...	29,000	Item No. 24 of the Budget of 1869-70. G. O., R. D., 21st August 1869, No. 2,388.
	19	.....	Road from Peddapuram *via* Nallacheruvu to Rajahnagaram, about 15 miles.	25,000	5,000	20,000	...	20,000	Item No. 25 of the Budget of 1869-70. G. O., R. D., 15th July 1869, No. 2,060.
	20	.....	Road from Undur bridge, *via* Ramachendrapuram to Medapadu on the Samulcota canal.	58,060	30,000	23,920	...	23,920	Item No. 28 of the Budget of 1869-70. G. O., R. D., 9th July 1869, No. 1,981.
	21	.....	Khandavilli and Peravali road..	18,200	3,000	13,630	...	13,630	Item No. 30 of the Budget of 1869-70. G. O., R. D., 5th October 1869, No. 2,723.
	22	.....	Road from Alamuru to Thapeswaram *via* Mandapeta, with masonry works.	18,610	5,000	7,960	...	7,960	Item No. 31 of the Budget of 1869-70. G. O., R. D., 19th July 1869, No. 2,091. G. O., R. D., 31st August 1869, No. 2,461.

Details of Estimate for Original works for 1870-71, etc.—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
			Communications.—(Continued.)	Rs.	Rs.	Rs.	Rs.	Rs.	
GODAVERY.—(*Concluded.*)	23	.....	Road from Ramachendrapuram to Bickavolu on the Samalcotta Canal, with masonry works.	32,850	15,000	9,600	...	9,600	G. O., R. D., 13th August 1869, No. 2,330. G. O. R. D., 31st August 1869, No. 2,461.
	24	.....	Minor new works	...	...	2,500	...	2,500	
			Total...	...	...	2,61,540	...	2,61,540	
KISTNA.	25	.....	Road from Chinna Palakalur to Narasarowpeta.	50,000	26,768	15,000	...	15,000	Item No. 36 of the Budget of 1869-70. G. O., R. D., 3rd May 1869, No. 1,211.
	26	.....	Road from Amaravaty to Guntur.	46,063	17,650	10,550	...	10,550	Item No. 37 of do. G. O., R. D., 6th August 1867, No. 1805, G. O., R. D., 26th October 1868, No. 2,711.
	27	.....	Road from Guntur to Iyaloor ...	1,69,200	48,270	35,000	...	35,000	Item No. 38 of do. G. O., R. D., 20th Feb. 1868, No. 483. G. O., R. D., 20th May 1869, No. 1,423.
	28	.....	Road between Bezorah and Hyderabad road and Mylavaram.	40,173	25,240	8,000	...	8,000	Item No. 40 of the Budget of 1869-70. G. O., R. D., 15th May 1867, No. 1,093. G. O., R. D., 26th October 1868, No. 2,711.
	29	.....	Road from Nuzivid to Parikeed.	68,000	15,150	10,000	...	10,000	Item No. 42 of the Budget of 1869-70. G. O., R. D., 5th February 1868, No. 326.
	30	.....	Road from Sallapalli to Mopidevi.	2,470	470	2,000	...	2,000	Item No. 42, of the Budget of 1868-69, G. O., R. D., 2nd Feb. 1867, No. 209.
	31	.....	Road from Volaroo on the Kistna to Nizampatam.	15,830	9,880	5,950	...	5,950	Item No. 43 of the Budget of 1869-70, G. O., R. D., 13th Sept. 1867, No. 2,162.
NELLORE.	32	.....	Road from Chilakalurpeta to Nakarikal, *via* Narasarowpeta.	57,320	7,400	10,000	...	10,000	Item No. 47, of the Budget of 1869-70, G. O., R. D., 6th Aug. 1869, No. 2,277.
	33	.....	Minor New Works	...	...	3,000	...	3,000	
			Total.....	...	...	99,500	...	99,500	
	34	.....	Road from Kaligiri to Oodiagiri.	30,450	7,320	5,000	...	5,000	Item No. 54 of the Budget of 1869-70. G. O., R. D., 14th November 1868, No. 2,864.
	35	.....	Road from Nellore to Someswaram.	70,660	31,840	13,000	...	13,000	Item No. 55 of the Budget of 1869-70. G. O., R. D., 24th Feb. 1868, No. 509. G. O., R. D., 28th June 1869, No. 1,833.
	36	.....	Road from Tipparapad on Rapur and Gudur Road to Venkatagherry including the cost of bridge over Cheyoor Channel.	16,030	9,180	6,850	...	6,850	Item No. 56 of the Budget of 1869-70. G. O., R. D., 17th April 1868, No. 1,013. G. O., R. D., 22nd July 1869, No. 2,145.
	37	.....	Road from Kavali to Kaligiri, *via* Jaladanki and China kraka.	65,700	16,000	10,000	...	10,000	Item No. 52 of the Budget of 1869-70. G. O., R. D., 1st September 1868, No. 2,300.
	38	.....	Road from Mannbole on Imperial road No. 1 to Podalakur on the Nellore and Someswaram road.	35,500	6,740	5,000	...	5,000	Item No. 50 of the Budget of 1869-70. G. O., R. D., 18th November 1868, No. 2,892.
	39	.....	Road from Kanigiri to Podile...	6,300	3,000	4,000	...	4,000	Item No. 58 of the Budget of 1869-70. Estimate submitted to Government Board's Proceedings.
	40	.....	Road from Kanigiri towards Vemulpad Ghaut.	21,900	4,000	4,000	...	4,000	Item No. 59 of the Budget of 1869-70. G. O., R. D., 24th August 1869, No. 2,407.
	41	.....	Minor New Works	...	...	2,000	...	2,000	
			Total...	...	...	49,850	...	49,850	
CUDDAPAH.	42	.....	Road from Poddatore to Yerraguntla.	40,720	34,060	6,660	...	6,660	Item No. 1 of the revised Budget of 1869-70. G. O., R. D., 3rd April 1868, No. 887.
	43	.....	Road from do. to Nandialumpet.	...	10,000	5,000	...	5,000	Item No. 2 of the revised Budget of 1869-70. G. O., R. D., 3rd December 1867, No. 2,865. Estimate will be submitted.

Details of Estimate for Original Works for 1870-71, etc.—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and References.
			Communications.	Rs.	Rs.	Rs.	Rs.	Rs.	
CUDDAPAH.—(*Concluded.*)	44	.....	Road from Muddanur to Pulivendla.	40,000	25,000	5,000	...	5,000	Item No. 3 of revised Budget of 1869-70. G. O., R. D., 23rd July 1869, N. 2,153.
	45	.....	Road from Pulivendlah to Kadri.	...	...	2,000	...	2,000	Estimate will be submitted.
			Total...	...	...	18,660	...	18,660	
BELLARY.	46	.....	Road from Bellary to Sirgupah.	...	3,000	3,000	...	3,000	Item No. 68 of the Budget of 1869-70. Estimate will be submitted.
	47	.....	Road from Sirgupah to Adony...	...	6,500	4,000	...	4,000	Item No. 69 of the Budget of 1869-70. Estimate will be submitted.
	48	.....	Road from Bellary to Raidroog..	...	5,000	3,000	...	3,000	Item No. 70 of the Budget of 1869-70. Estimate will be submitted.
	49	.....	Road from Hallivy to Kosghee...	25,310	5,000	6,000	...	6,000	Item No. 72 of the Budget of 1869-70. G. O., R. D., 9th November 1869, No. 2,911.
	50	.....	Road from Kosghee to Rachmurry.	...	5,000	3,000	...	3,000	Item No 73 of the Budget of 1869-70. Estimate will be submitted.
	51	.....	Road from Bellary, *via* Cullian-droog to Cumbadoor.	...	5,000	5,000	...	5,000	Item No. 74 of the Budget of 1869-70. Estimate will be submitted.
			Total...	...	...	24,000	...	24,000	

KURNOOL.	52	.....	Road from Nandikotukur to Bairlooty..	52,000	22,000	30,000	...	30,000	Item No. 75 of the Budget of 1879-70. G. O., R. D., dated 12th January 1869, No. 73.
	53	.....	Road from Cumbum to Markapur.	...	3,000	8,200	...	8,200	Item No. 76 of the Budget of 1869-70. Estimate will be submitted.
	54	.....	Road from Maddikera to Taggli.	24,730	5,000	19,730	...	19,730	Item No. 78 of the Budget of 1869-70. G. O., R. D., dated 14th July 1869, No. 2,040.
	55	.....	Road from Raupur pass to Nandikanama Ghaut.	...	10,000	27,000	...	27,000	Item No. 79 of the Budget of 1869-70. G. O., R. D., dated 24th September 1869, No. 2,655.
	56	.....	Road from Dupad to Mantral Ghaut.	...	...	3,000	...	3,000	Item No. 80 of the Budget of 1869-70. Estimate will be submitted.
	57	.....	Road from Markapur to Dupad.	...	...	5,000	...	5,000	Item No. 8 of the Supplemental Budget of 1869-70. Estimate will be submitted.
	58	.....	No. 1 Crossing near Chintagunta. No. 2 Do. near Chagalmarry. No. 3 Do. near Arlaguddu in 71st mile of Trunk Road No. XVII. Other village roads in connection with other crossings below the canal.	...	10,000	30,000	...	30,000	Item No. 10 of the Supplemental Budget of 1869-70. G. O., R. D., dated 3rd December 1868, No. 3,026. Estimate will be submitted.
	59	.....	Road from Peapally to the Deputy Collector's Office.	...	....	...	500	500	Estimate will be considered by the Board.
			Total...	...	...	1,22,930	500	1,23,430	
MADRAS.	60	.....	Road from Sattiyavedu to Kowrapett.	19,000	16,740	2,260	...	2,260	Item No. 91 of the Budget of 1869-70. Paragraph 47 of G. O., P. W. D., 14th December 1866, No. 3,938, G. O., R. D., 10th January 1867, No. 78.
	61	.....	Road from Oothoocottah to 22nd mile on Imperial Road No. 1 *via* Periapolium.	21,300	17,220	4,080	...	4,080	Item No. 89 of the Budget of 1869-70. G. O., R. D., 31st October 1867, No. 2,567.

DETAILS of Estimate for Original works for 1870-71, etc.—(*Continued.*)

District.	No.	Project. Locality.	Project. Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870 71. To be executed by Public Works Department.	Estimate for 1870 71. To be executed by Revenue Department.	Estimate for 1870 71. Total.	Remarks and references.
MADRAS.—(*Concluded.*)			COMMUNICATIONS.—(*Continued.*)	RS.	RS.	RS.	RS.	RS.	
	62	.....	Road from one mile west of Vulloor to Imperial Road No. I on the 12th mile.	10,000	15,930	2,310	...	2,310	Item No. 92 of the Budget of 1868-69. G. O., R. D., dated 31st October 1867, No. 2,567.
			Road from do. Supplemental to complete.	19,570					
	63	.....	Road from Conjeveram to McLean's Choultry on Imperial Road No. III.	6,720	530	1,500	...	1,500	Estimate will be submitted.
	64	.....	Road from Cooum, etc., villages to Thundalum on Imperial Road No. III. on the 20th mile.	...	4,280	2,000	...	2,000	Item No. 88 of the Budget of 1869-70. Estimate will be submitted.
	65	.....	Road from Conjeveram to Thellar, lying in the Madras District, 3 miles.	2,780	...	1,500	...	1,500	Estimate will be submitted.
	66	.....	Road from 41st mile stone on Trunk Road No. VIII. (now No. II.) to Tetry on the road from Thellar to Conjeveram *via* Ootramalloor.	35,870	19,280	8,000	...	8,000	Item No. 94 of the Budget of 1869-70. Estimate will be submitted.
			Total...	...	...	21,650	...	21,650	

NORTH ARCOT.	67	.....	1. Grain road from Conjeveram to Wandawash and Thellar to South Arcot frontier (for 3rd and 4th Sections) length 37 miles.	40,000	19,662	5,000	...	5,000	G. O., R. D., 19th July 1869, No. 2,008.
	68	.....	2. Road from Wandawash to Poloor *via* Cheitput, length 34 miles.	26,000	20,258	1,200	..	1,200	Item No. 107 of the Budget of 1868-69. G. O., R. D., 8th January 1868, No. 55.
	69	.....	4. Section 2 of road from Arny to Wandawash, length 24 miles.	...	57,387	2,300	...	2,300	
	70	.....	5. Grain road from Cheitput to Arny, length 17 miles.	12,300	27,084	800	...	800	Item No. 106 of the Budget of 1868-69.
	71	.....	8. Section 4 of Grain road from Tripathi Railway Station *via* Calastry to the Nellore frontier at Naidupett, length 35 miles.	63,250	58,849	5,000	...	5,000	Item Nos. 108 and 109 of the Budget of 1868-69.
			Supplemental Estimate... ...	5,790					
	72	.....	9. Grain road from Yerped to Nellore frontier, length 19 miles.	21,400	20,806	3,500	...	3,500	Item No. 109 of the Budget of 1868-69.
			Supplemental Estimate... ...	4,630					
	73	.....	11. Road from Cuppum through Venkatagiri Cotta, Palmanair, and Punganoor to Cuddapah frontier (1st Section).	65,000	16,461	5,000	...	5,000	Item No. 103 of the Budget of 1868-69. G. O., R. D., 18th March 1869, No. 734.
	74	.....	Do. do. (5th Section) length 72 miles.	...	...	2,500	...	2,500	
	75	.....	12. Road from Punganur through Suddum to Trunk Road No. XI., length 35 miles.	...	18,000	3,500	...	3,500	
	76	.....	4. Road from Madandacuppum to Melpaudy.	5,300	1,630	3,670	...	3,670	G. O., R. D, 17th July 1869, No. 2,079.
	77	.....	5. Road from Chittoor to Arugonda with branch to Iral, length 22 miles.	6,000	4,792	3,200	...	3,200	Item No. 105 of the Budget of 1868-69. G. O., R. D., 28th March 1867, No. 736.
	78	.....	6. Road from Virinjipuram to the Railway Station, length 1½ miles.	...	2,000	1,100	...	1,100	
	79	.....	Road from Sholingur to Annadana Chuttrum.	...	...	1,500	...	1,500	Estimate will be submitted.

DETAILS of Estimate for Original works for 1869-70, etc.—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
			COMMUNICATIONS.—(*Continued.*)	RS.	RS.	RS.	RS.	RS.	
NORTH ARCOT.—(*Concluded.*)	80	.....	Constructing a bridge of five arches of 24 feet span across the supply channel of the Mahendravady reservoir at a point near Keelviranum on the Railway feeder from Caveripauk to Sholingur Station.	6,200	...	1,300	...	3,100	Item No. 96 of the Original Budget of 1869-70. G. O., R. D., 2nd October 1868, No. 2,538.
	81	.....	Ammanoor Road (for work executed and not paid for).	...	...	1,000	...	1,000	
			Total...	...	...	42,370	...	42,370	
	82	.....	Forming a road from Villupuram to Mambalapet.	6,000	...	3,000	...	3,000	Item No. 104 of the Budget of 1869-70. Estimate will be submitted.
	83	.....	Road from Trinomalai to the boundary of the Villupuram Talook at Vatavalam.	16,000	7,200	8,800	...	8,800	Item No. 105 of the Budget of 1869-70. G. O., R. D., 8th June 1868, No. 1,594.
	84	.....	Road from Cheniamputty (Chekady Jaghire) to Paranganathur.	...	...	2,000	...	2,000	Estimate will be submitted.
	85	.....	Road from Cullakurichi to Virdachellum *via* Varanagaram.	11,300	9,600	1,700	...	1,700	Item No. 108 of the Budget of 1869-70. G. O., R. D., 24th April 1868, No. 1,106.

SOUTH ARCOT.	86	.....	Road from 120th mile of Trunk Road No. 8 near Colondoorpett to join the 22nd mile of the road from Cuddalore to Trunk Road No. VIII. near Veerapermal.	5,500	3,500	2,000	...	2,000	Item No. 107 of the Budget of 1869-70. G. O., R. D., 6th June 1868, No. 1,582.
			Total...	...	...	17,500	...	17,500	
TANJORE.	87	.....	Cross-Road No. 65 from No. 35 near Harichendranady bridge to Keevaloor on Road No. 1.	60,300	50,110	10,190	...	10,190	Item No. 116 of the Budget of 1869-70. G. O., R. D., 20th May 1868, No. 1,419.
	88	.....	Restoration of 5 miles of Road No. 27 from Kattur to Sengundy. Portion in No. 5 Range 9,620 Do. in No. 4 do. 16,390*	26,010	12,500	13,510	...	13,510	Item No. 117 of the Budget of 1869-70. G. O., R. D., 1st October 1868, No. 2,520, sanctioning only Rupees 9,620 for the road lying in the 5th Range of the District. *Estimate will be submitted.
	89	.....	Road No. 51 from Moonioor to Thalanayar along the south bank of Harichendranady river.	33,620	2,000	20,000	...	20,000	Item No. 118 of the Budget of 1869-70. Estimate will be submitted.
	90	.....	Road No. 68 from Poothoor on Road No. 2 to Poodoopatnam near Devicottah along the bank of Poodomamunyar.	10,000	1,000	5,000	...	5,000	Item No. 119 of the Budget of 1869-70. Estimate will be submitted.
	91	.....	Road No. 73 from No. 2 near Corthalem to Poolyoor on Road No. 13.	27,480	10,000	17,480	...	17,480	Item No. 127 of the Budget of 1869-70. G. O., R. D., 4th September 1869, No. 2,508.
	92	.....	Road No. 81 from Teroopendal to Tennalagudy *via* Teroomulgudy and Andoothoray.	35,680	4,200	15,000	...	15,000	Item No. 132 of the Budget of 1869-70. Estimate submitted to Government Board's Proceedings.
	93	.....	Road No. 57 from Thiroocattoopally to the Great Southern of India Railway at Boodalore.	96,600	24,780	22,600	...	22,600	Item No. 133 of the Budget of 1869-70. G. O., R. D., 30th July 1869, No. 2,219.
	94	.....	Bridges over the Regulating works in Pandavayar and Vellayar on the Railway feeder No. 58 from Kodacherry to join road No. 23.	26,800	...	15,000	...	15,000	Item No. 129 of the Budget of 1869-70. G. O., R. D., 30th November 1869, No. 3,068.

DETAILS of Estimate for Original works for 1870-71, etc.—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
TANJORE.—(*Concluded.*)			COMMUNICATIONS.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.	
	95	.....	Re-forming Road No. 26 from Moottoopetta to Valanganni.	8,010	...	8,010	...	8,010	Estimate will be submitted.
	96	.....	Lengthening the sluices on Road No. 79 along the Arasalar south bank and providing a few Tunnels.	4,100	...	4,100	...	4,100	Estimate will be submitted.
	97	.....	Forming Road No. 76 from Mannargudi to Moottoopetta between Pamaniar and Corayar rivers.	10,000	...	5,000	...	5,000	Estimate will be submitted.
	98	.....	Metalling Road No. 39 from Papanasem to Saliamangalam.	45,000	...	21,190	...	21,190	Estimate will be submitted.
			Total...	...	...	1,57,080	...	1,57,080	
TRICHINOPOLY.	99	.....	Road No. VII. from Mooseery to Cannanore to Toriore	60,936	23,770	5,000	...	5,000	Item No. 133 of the Budget of 1869-70. G. O., R. D., 14th April 1869, No. 1,017, Board's Proceedings, dated 21st January 1868, No. 477.
	100	.....	Road No. IX. from Perumbalore to Arealore.	29,800	19,020	3,400	...	3,400	Item No. 135 of the Budget of 1869-70. G. O., R. D., 23rd January 1868, No. 203.
	101	.....	Road No X. from Perumbalore to Kistnapuram.	33,260	24,820	5,000	...	5,000	Item No. 137 of the Budget of 1869-70. G. O., R. D., 17th October 1867, No. 2,134.
			Total...	...	...	13,400	...	13,400	

MADURA	102	.....	Road from Shevagangah to Tiroopattoor.	41,050	36,050	...	5,000	5,000	Item No. 2 Revised Budget of 1869-70. G. O., R. D., 25th February 1868, No. 519.
	103	.....	Road from Dindigul to Battalaguntah.	24,000	9,000	...	15,000	15,000	Item No. 7 of do. do. G. O., R. D., 9th November 1869, No. 2,934.
	104	.....	Audalur Ghaut	6,000	2,000	4,000	...	4,000	Item No. 4 of do. do. Estimate will be submitted.
	105	.....	Road to Alaghur Covil from the 7th mile stone on the road from Madura to Nattom.	5,000	...	...	5,000	5,000	Item No. 142 Original Budget for 1869-70. G. O., R. D., 11th August 1868, No. 2,136.
	106	.....	Minor New Works	...	...	...	140	140	
			Total...	...	...	4,000	25,140	29,140	
TINNEVELLY.	107	.....	Road from Vypaur to Ottapedaram.	78,000	19,750	5,000	...	5,000	Item No. 147 of the Budget of 1869-70. G. O., R. D., 17th April 1868, No. 1,020.
	108	.....	Road from Ottapedaram, *via* Maniachi and Sivalaperi to Palamcottah.	42,000	10,000	5,000	...	5,000	Item No. 148 of the Budget of 1869-70. G. O., R. D., 20th February 1869, No. 438.
	109	.....	Road from Vilatikulam to the Vypaur road.	39,200	5,000	5,000	...	5,000	Item No. 176 of the Budget of 1868-69. G. O., R. D., 17th April 1868, No. 1,020.
	110	.....	Road from Strivycuntam to Arumugamangalam.	19,200	5,000	5,000	...	5,000	Item No. 149 of the Budget of 1869-70. G. O., R. D., 9th July 1869, No. 1,990.
	111	.....	Road from Tinnevelly *via* Sivalaperi and Valavanad to Strivycuntam.	44,600	20,370	8,000	...	8,000	Item No. 150 of the Budget of 1869-70. G. O., R. D., 7th April 1868, No. 933.
	112	.....	Road from Tinnevelly to Rajapalayam.	21,400	5,000	5,000	...	5,000	Item No. 152 of the Budget of 1869-70. G. O., R. D., 9th June 1869, No. 1,632.
	113	.....	Road from Tentiruperi through Paddy fields and along the northern bank of Attur channel to Attur.	6,470	1,000	5,470	...	5,470	Item No. 155 of the Budget of 1869-70.
	114	.....	Road from south Mudalur to Alvartirunagari.	4,170	1,000	3,170	...	3,170	Item No. 156 of the Budget of 1869-70. G. O., R. D., 28th October 1869, No. 2,870.
	115	.....	Road from Pudukudi through Velur, southwards.	3,850	2,730	1,120	...	1,120	Item No. 157 of the Budget of 1869-70.

DETAILS of Estimate for Original Works for 1870-71 etc.,—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and References.
TINNEVELLY.—(*Concluded.*)			*Communications.*—(Continued.)	RS.	RS.	RS.	RS.	RS.	
	116	.....	Road from Madura frontier, *via* Strivillipttur to Solaseri.	34,800	16,220	10,000	...	10,000	Item No. 158 of the Budget of 1869-70. G. O., R. D., 14th December 1867, No. 2,982. G. O., R. D., 9th June 1869, No. 1,632.
	117	.....	Portion of road No. 1 from Solaseri to Vasudavanullur.	15,600	6,800	4,600	...	4,600	Item No. 159 of the Budget of 1869-70. G. O., R. D., 22nd December 1868, No. 3,196.
	118	.....	Extension of the Nangunceri and Vizianarayanam road to Tisayanvilai.	29,900	10,000	4,000	...	4,000	Item No. 161 of the Budget of 1869-70. G. O., R. D., 9th June 1869, No. 1,632.
	119	.....	Noad from Viziapati to Yervadi.	16,600	10,000	3,000	...	3,000	Item No. 162 of the Budget of 1869-70. G. O., R. D., 9th December 1869, No. 3,140.
	120	.....	Road from Viravanallur to Giriammalpuram.	700	700	700	...	700	Estimate will be considered by the Board.
			Total ..	...	...	65,060	...	65,060	
COIMBATORE.	121	... ...	Constructing road from Oodamalpetta to Tirpoor.	71,600	49,440	22,160	...	22,160	Item No. 163 of the Budget of 1869-70. G. O., R. D., 12th December 1867, No. 2,958.
	122	.....	Constructing Bridges between Sattiamangalum and Bhowany *via* Attany.	...	...	7,500	...	7,500	Estimate will be submitted.
	123	.....	Constructing Road from Javangoundenhully to head of Hassanur ghaut, 10 miles.	...	2,200	2,500	...	2,500	Estimate will be submitted.
			Total...	...	...	32,160	...	32,160	
NEILGHERRIES.	124	.....	For opening Bridle path from Kartery to Ootacamund.	1,000	...	1,000	...	1,000	Estimate will be considered by the Board.
			Total...	...	...	1,000	...	1,000	
SALEM.	125	.....	Constructing a Road from Shulagiri to Beriki, 10 miles.	2,000	...	...	2,000	2,000	Estimate will be considered by the Board.
	126	.....	Minor new works	150	...	...	150	150	
			Total...	...	...	...	2,150	2,150	
SOUTHCANARA.	127	.....	Minor bridges on the Mudbidri, and Beltangadi road.	12,670	4,960	1,500	...	1,500	Item No. 172 of the Budget of 1869-70. G. O., R. D., 28th October 1867, No. 2,525.
	128	.....	Bridge (Puchamogur) on the Bantwal and Mudbidri road.	27,800	16,200	5,380	...	5,380	Item No. 173, of the Budget of 1869-70. G. O., R. D., 22nd February 1868, No. 508. Estimate sanctioned at Rupees 19,800. A revised one for an addition of Rupees 8,000 will be submitted.
	129	.....	Bridge on Puttur and Manjeshwar road by Vitla.	35,530	22,000	2,400	...	2,400	Item No. 175, of the Budget of 1869-70. G. O., R. D., 17th October 1867, No. 2,437 and 20th January 1868, No. 152.
	130	.....	Widening Cumbla and Perdal bridlepath to 12 feet.	8,500	1,825	2,500	...	2,500	Item No. 219, of the Budget of 1868-69. Board's Proceedings, 8th October 1867, No. 6,440. Estimate submitted to Government.

DETAILS of Estimate for Original works for 1870-71—(*Continued.*)

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
SOUTH CANARA.—(*Concluded.*)			*Communications.*—(Contd.)	RS.	RS.	RS.	RS.	RS.	
	131	.....	Re-construction of the Uchilsal bridge on the Coast line.	...	...	1,500	...	1,500	Estimate will be submitted.
	132	.....	Re-construction of the Karnad bridge on the Coast Road.	970	...	970	...	970	Board's Proceedings.
	133	.....	Tracing a line to connect Subramany with Trunk road No. II, 30 miles.	...	...	3,300	...	3,300	Item No. 178, of the Budget of 1869-70. Estimate will be submitted.
	134	.....	Bridging and completing the Coast Road south of Mangalore towards, Manjeshwar.	...	...	3,000	...	3,000	Estimate will be submitted.
	135	.....	Improving and re-tracing portions of the Jalsur and Kasargod road.	...	...	2,000	...	2,000	Item No. 220, of the Budget of 1868 69. Estimate will be submitted.
	136	.....	Continuation of ditto to the river side.	...	...	300	...	300	Estimate will be considered by the Board.
	137	.....	Improvement of Malpi and Udipi road.	...	...	1,500	...	1,500	Estimate will be submitted.
			Total...	...	...	24,350	...	24,350	
	138	.....	Tracing road from Taliperamba by Chirikandapuram to Irkur (District Road No. 5,) 20 miles.	...	...	5,000	...	5,000	Estimate will be submitted.
	139	.....	Constructing road from Kirur Perumparamba to Nedumboya on Peria road (District Road No. 11,) 14 miles.	31,500	21,000	10,500	...	10,500	Item No. 181 of the Budget of 1869-70. G. O., R. D., 22nd February 1869, No. 443.

MALABAR.	140	.....	Constructing road from Irkur to Chalot (District Road No. 13) 6 miles.	7,250	3,000	4,250	...	4,250	Item No. 1 of the Supplemental Budget of 1869-70. Estimate submitted to Government Board's Proceedings.
	141	.....	Bridge over Irumpuranji river on the road from Tambrachery to Arcakod (District Road No. 34.)	26,600	10,000	11,800	...	11,800	Item No. 183 of the Budget of 1869-70. Estimate will be submitted.
	142	.....	Widening road from Karaparamba to Kokotri bridge, 3 miles, (Part of District Road No. 30.)	...	...	3,000	...	3,000	Estimate will be submitted.
	143	.....	Constructing Tunnels on the road from Manjeri to Wandur (District Road No. 37) 18 miles.	1,000	...	1,000	...	1,000	Estimate will be considered by the Board.
	144	.....	Constructing Tunnels from Pandikod to Wandur and Mambat (part of District Road No. 41A,) 15 miles.	18,100	5,000	5,000	...	5,000	Item No. 184 of the Budget of 1869-70. Estimate submitted to Government Board's Proceedings, 9th December 1869, No. 9,027.
	145	.....	Worampaya bridge on do. ...	...	...	4,000	...	4,000	Estimate will be submitted.
	146	.....	Minor new works	...	...	3,500	...	3,500	
			Total...	...	...	48,050	...	48,050	
			Total Communications...	...	...	11,21,780	27,790	11,49,570	
			Miscellaneous Public Improvements.						
	147	Ganjam ...	Construction of Ferry boats ...	...	...	1,140	...	1,140	
	148	Vizagapatam.	Avenues along roads in the Principal Assistant's division.	...	...	...	1,000	1,000	
	149	Do. ...	Do. do. to certain salt roads.	...	...	...	500	500	
	150	Godavery ...	Construction of Ferry boats ...	...	...	...	6,000	6,000	
	151	Kistna ...	Digging tanks and wells for drinking purposes.	...	...	...	3,000	3,000	
	152	Bellary ...	Village improvement	...	...	...	1,000	1,000	
	153	Kurnool ...	Digging wells for drinking purposes.	...	...	...	1,000	1,000	

Details of Estimate for Original works for 1870-71, etc.—(*Continued.*)

Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
		Miscellaneous Public Improvements —(Continued.)	RS.	RS.	RS.	RS.	RS.	
154	Kurnool ...	Formation of Avenues	...	...	...	1,500	1,500	
155	North Arcot..	Sanitary improvement at Chittoor.	...	...	...	750	750	
156	Do. ...	Do. do. at Gudiattum.	...	...	...	500	500	
157	Do. ...	Do. do at Tripaty.	...	...	...	1,000	1,000	
158	Tanjore ...	Formation of Avenues	...	...	...	10,000	10,000	
159	Do. ...	Digging tanks for drinking purposes.	...	...	...	10,000	10,000	
160	Madura ...	Digging wells and planting Avenues.	...	...	...	1,000	1,000	
161	Tinnevelly ...	Formation of Avenues	...	...	...	1,590	1,590	
162	Coimbatore...	Removing prickly pear	...	...	...	2,000	2,000	
163	Salem	Contribution to the Sanitary associations in the several talooks of the District.	...	...	...	8,500	8,500	
164	Do. ...	Sinking wells, etc.	...	...	...	1,500	1,500	
165	South Canara.	Construction of Ferry Platforms.	...	...	...	500	500	
166	Do. ...	Formation of Avenue	...	...	...	1,500	1,500	
167	Malabar ...	Constructing Chuttrum at Tallicherama.	...	...	1,500	...	1,500	
168	Do. ...	Do. do. at Nedumpoyah.	...	...	1,500	...	1,500	
169	Do. ...	Do. do. at Tamberacheri.	...	...	1,500	...	1,500	

170	Do. ...	Do. Market place at Angadipuram.	...	...	5,700	...	5,700	
171	Do. ...	Digging wells and purchasing tube wells.	...	...	...	2,000	2,000	
172	Do. ...	Formation of Avenue	...	...	...	2,000	2,000	
173	Wynaad Division.	Constructing Rafts at Wynaad Ferries.	...	...	...	800	800	
		Total Miscellaneous Public Improvements	...	...	11,340	57,640	68,980	
		Grand Total. .	...	...	11,33,120	85,430	12,18,550	

REVENUE BOARD OFFICE,
Madras,
2nd December 1869.

(Signed) J. GROSE,
Sub-Secretary.

Works to be executed out of the Cochrane's and Sadras Canal Fund, during 1870-71.

District.	Project. No.	Locality.	Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71. To be executed by Public Works Department.	To be executed by Revenue Department.	Total.	Remarks and references.
			Communications.	RS.	RS.	RS.	RS.	RS.	
MADRAS.	1	.....	Maintenance of the Northern Canal from the Basin at Madras to Dugarajapatam and the canal between Cooum river and the Basin Bridge 74, miles.	...	...	7,000	...	7,000	
	2	.....	Do. do. from Dugarajapatam to Kanapoor, 12 miles at 300 rupees a mile.	...	...	3,600	...	3,600	
	3	.....	Do. Southern canal from Adayar to the Palar river, (40 miles.)	...	...	4,000	...	4,000	
	4	... ..	For deeping the Northern canal from Elephant-gate bridge to Pulicat lake.	37,610	...	16,000	...	16,000	Estimate submitted to Government with Board's Proceedings, dated 17th September 1869, No. 6,963.
	5	.....	Cost of Public Works Supervision at 10 per cent. on the expenditure.	...	...	3,060	...	3,060	
	6	.....	Establishment	...	...	* 3,350	2,500	† 5,850	* Vide Board's Proceedings, dated 26th April 1869, No. 2,792.
			Total...	...	...	37,010	2,500	39,510	

† *Cochrane's Canal Establishment.*

	RS.
Superintendent	1,200
Writer	360
Shroff	120
4 Peons at 7 rupees each...	336
Massalchee...	60
	2,076

Shadiancoopum Lock Establishment.

	RS.
1 Kanakapillay...	240
1 Assistant do.	144
1 Lascar	96
4 Do. at 7 rupees each...	336
	816

Sadras Canal.

	RS.
Extra pay to the Salt Superintendent	180
2 Lascars at 6 rupees each.	144
	324

Contribution from Canal Funds to the expenses of Mr. Fraser's Establishment.

G. O., R. D., 29th January 1869, No. 260....

	RS.
Office Establishment	1,000
Petty do.	900
Office rent	300
Travelling allowance... ...	300
	2,500

Works to be executed out of the Cochrane's and Sadras Canal Fund, during 1870-71.—*(Concluded.)*

District.	Project. No.	Project. Locality.	Project. Description.	Amount of Estimate.	Computed expenditure up to 31st March 1870.	Estimate for 1870-71: To be executed by Public Works Department.	Estimate for 1870-71: To be executed by Revenue Department.	Estimate for 1870-71: Total.	Remarks and references.
MADRAS.—(*Concluded.*)				Rs.	Rs.	Rs.	Rs.	Rs.	*Contingencies.* Rs. Cochrane's Canal ... 80; Shadian Coorpum lock ... 30; Sadras Canal ... ... 20; 130; Total... 5,846; or in round numbers... 5,850

(Signed) J. GROSE,
Sub-Secretary.

REVENUE BOARD OFFICE,
Madras,
2nd December 1869.

PART II.

Details of Estimate for Repairs for the year 1870-71 *to be executed out of the District Road Fund.*

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.	Rs.	Rs.	Rs.
Ganjam.	1	Repairs to road from Tekkalypatnum to Poondy, 18 miles	1,000	...	1,000
	2	Do. do. from Chintadah to Gara, 6½ miles	1,200	...	1,200
	3	Do. do. from Kimedy boundary to Narasanapetta, 15 miles	800	...	800
	4	Do. do. from Narasanapetta to Calingapatam, 6¼ miles	700	...	700
	5	Do. do. from Teckally to Kimedy boundary towards the Malapet line, 13 miles	600	...	600
	6	Do. do. outside the town of Berhampore, 3 miles	300	...	300
	7	Do. do. from Jagganadhapur to Purshotapur, 13 miles	1,300	...	1,300
	8	Do. do. connecting Berhampore and Itchapore and Berhampore and Aska roads, 3 miles ...	300	...	300
	9	Do. do. from Korlam on Imperial road, No. I, to the Port of Barwah, 4 miles	400	...	400
	10	Do. do. from Kunchelly to Barwah, via Sompetta, 5 miles	500	...	500
	11	Do. do. from Aska to Ganjam Port and Salt pans	3,000	...	3,000
	12	Do. do. from Jagganadhapur on Trunk road No. 6 to the Port of Gopalpur	300	...	300
	13	Do. do. from Russellkondah to Kollada, 5 miles...	370	...	370
	14	Do. do. from Aska to Surada, 21 miles	3,000	...	3,000
	15	Do. do. from Bullipudra to Curcholly, 17 miles	1,700	...	1,700
	16	Do. do. from Aska to Russellkondah, via Bullipudra, 28 miles...	2,650	...	2,650
	17	Do. do. from Kimedy boundary to Kimedy town, via., Survakota, 29 miles	...	2,150	2,150
	18	Do. do. from Kimedy boundary to Kimedy town, via Malapetta, 13½ miles	...	1,450	1,450
	19	Petty Repairs	350	...	350
		Total...	18,470	3,600	22,070

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Vizagapatam.	20	Repairing the road from Narsipatam to Tholapalem, 19½ miles at 100 rupees a mile	1,950	...	1,950
	21	Do. do. from Narsipatam to Golgondah, 9¾ miles at 50 rupees a mile	490	...	490
	22	Do. do. from Narsipatam to Palavaram, 26 miles at 75 rupees a mile	1,950	...	1,950
	23	Do. do. from Narsipatam to Kondasantah, 8 miles at 50 rupees a mile	400	...	400
	24	Do. do. from Vizagapatam to Kasipur, via Sroongavarapukottah, 38 miles at 200 Rupees a mile...	7,600	...	7,600
	25	Do. do. from Vizianagaram to Palakondah by Cheepurupilli, 41 miles, at 100 rupees for 25 miles and at 125 rupees for 16 miles	4,500	...	4,500
	26	Do. do. from Vizianagaram to to Parvatipur, 52 miles at 100 rupees a mile	5,200	...	5,200
	27	Petty Repairs	500	...	500
		Total...	22,590	...	22,590
Godavery.	28	Repairing the road from Cocanada to Kottipalli 27 miles at 50 rupees per mile	1,350	...	1,350
	29	Do. do. from Cocanada to Nilapalli 17 miles at 50 rupees per mile..	850	...	850
	30	Do. do. from Dowleswaram to Rajahmundry, 6 miles at 150 rupees per mile	900	..	900
	31	Do. do. from Gante to Kottapeta, 6 miles at 50 rupees per mile... ...	300	...	300
	32	Do. do. from Gannavaram to Amalapuram, 8 miles at 50 rupees per mile	400	...	400
	33	Do. do. from Tanuku *via* Darva to Prattipadu, 8½ miles at 100 rupees per mile	850	...	850
	34	Do. do. from Sidhantam to Marteru, 5 miles at 80 rupees per mile.	400	...	400
	35	Do. do. from Pallakollu to Doddipatla, 8 miles at 100 rupees per mile	800	...	800
	36	Do. do. from Narsapuram to Viravasaram 7½ miles at 100 rupees per mile	750	...	750
	37	Do. do. from Ellore to Hydrabad frontier *via* Chintalapudi, 22 miles at 50, rupees per mile ...	1,100	...	1,100

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Godavery.—(*Concluded.*)	38	Repairing the road from Nidathavolu to Pangidi, 10 miles at 50 rupees per mile	500	...	500
	39	Do. do. from Rajahmundry to Gokavaram, 20 miles at 100 rupees per mile	2,000	...	2,000
	40	Do. do. from Razole to Mukteswaram 19 miles at 30 rupees per mile	570	...	570
	41	Do. do. from Ellore to Kolleru lake, 6 miles at 50 rupees per mile.	300	...	300
	42	Do. do. along the canal bank from Dowleswaram to Samalcota 21 miles at 100 rupees per mile.	2,100	...	2,100
	43	Do. Attili road, 16 miles at 100 rupees per mile	1,600	...	1,600
	44	Do. Vizheswaram road, 8 miles at 50 rupees per mile	400	...	400
	45	Do. Chinchinada road, 5 miles at 60 rupees per mile	300	...	300
	46	Maintaining as a road the east bund of Narsapuram Canal, 22 miles at 25 rupees per mile.	550	...	550
	47	Palmyra bridges over different channels... ...	1,500	...	1,500
	48	Road from Viravasaram to Akeed, 12 miles at 100 rupees per mile	1,200	...	1,200
	49	Petty repairs	1,250	...	1,250
		Total...	19,970	...	19,970
Kistna District.	50	Repairing the road from Gudivada to Pamarroo, 8 miles	400	...	400
	51	Do. the road from Kankipad to Oopooloor, 10 miles	500	...	500
	52	Do. do. do. to Gudivada, 16 miles ...	800	...	800
	53	Do. from Chillakallu to Juggiapett, 3 miles	90	...	90
	54	Do. from Guntoor to Ponoor, 17 miles ...	2,550	...	2,550
	55	Do. from Vinuconda to Karempoody, 29 miles	840	...	840
	56	Do. from Guntoor to Sattinapally, 21½ miles	3,220	...	3,220
	57	Do. from Chinnapalakalur to Narasarowpett, 14 miles	1,400	...	1,400
	58	Do. from Masulipatam to Kowtaram, 13 miles	650	...	650
	59	Do. from Ponoor to Bapatla, 14 miles ...	1,400	...	1,400
	60	Do. from Vellatore to Sandole, 14 miles ...	420	...	420
	61	Do. from Dachapalli to Gurajalla, 8¼ miles.	800	...	800
	62	Do. from Vadalli to Kykalur, 11 miles ...	300	...	300
	63	Do. from Masulipatam to Sallapalli, 14 miles	700	...	700
	64	Do. from Ponoor to Sandole, 6 miles... ...	900	...	900
	65	Do. from Jagarlamoody to Tenalli, 6 miles.	300	...	300
	66	Do. from Ponoor to Intur, 10 miles	300	...	300
	67	Do. from Guntoor to Iyalur, 10 miles ...	1,000	...	1,000

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Kistna District.—(*Concluded.*)	68	Repairing the road from Bezorah and Hyderabad road to Mylavaram, 10 miles ...	1,000	...	1,000
	69	Do. from Volaroo to Nizampatam, 10 miles.	300	...	300
	70	Do. from Guntoor to Amaravaty, 10 miles.	700	...	700
	71	Do. from Parikid to Nuzived, 6 miles ...	500	...	500
	72	Do. from Narasarowpeta to Vinuconda, 24 miles	720	...	720
	73	Do. from Trunk road No. VII., from Kopperapad to Pondugal	3,900	...	3,900
	74	Petty repairs	2,310	...	2,310
		Total...	26,000	...	26,000
Nellore.	75	Maintenance of road from Nalobpett to Nurkur, 5 miles	240	...	240
	76	Gravelling crown of Pennair anicut	800	...	800
	77	Maintenance of Nellore and Gungapatnam road to sea, 13 miles...	650	...	650
	78	Do. of road from Mypaud to Gungapatnam, 2 miles	50	...	50
	79	Do. of road from Alluru to Razupaliem, 11 miles	1,100	...	1,100
	80	Do. to Cowrugunta, 6 miles	450	...	450
	81	Do. of road from Sungum to Kaligiri, 16 miles	1,030	...	1,030
	82	Do. do. from Kaligiri to Oodiagiri, 24 miles	400	...	400
	83	Do. Nellorepaliem to Atmakur road, 2 miles	100	...	100
	84	Do. Ponnalur to Trunk road No. 6, near Singaroykonda, 16 miles	800	...	800
	85	Do. do. and Kanigiri, 22 miles	1,100	...	1,100
	86	Do. Tettoo and Ramiapatam road, 3 miles.	400	...	400
	87	Do. from Rapoor ghaut to Gudur, 30 miles.	2,790	...	2,790
	88	Do. from Madegonda river to Koppurpad, 28 miles	2,790	...	2,790
	89	Do. from Dorenal road to Oodiagiri, 12¾ miles	1,270	...	1,270
	90	Do. for completed portion of road from Oolapaliem to Singapett, on Trunk road No. VI., 3 miles	300	...	300
	91	Do. from Nellore to Someswaram, 19 miles.	1,000	...	1,000
	92	Do. from Tipperapadu, Rapur and Gudur road to Venkatagiri, 20 miles	900	...	900
	93	Do. from Kaligiri to Kavali, 22 miles ...	700	...	700
	94	Do. Manubole to Podalakur, 17 miles ...	150	...	150
	95	Do. from Venkatachellam's Choultry to Survapully, 5 miles	250	...	250
	96	Petty repairs	3,000	...	3,000
		Total...	20,270	...	20,270

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Cuddapah.	97	Repairs of road from North Arcot frontier at Balapully, *via* Cuddapah to Bellary frontier, 121 miles	6,050	...	6,050
	98	Do. of road from Codoor to Yerragoontla Cottah, 5½ miles...	550	...	550
	99	Do. do. Pullumpett, *via* Chitwail to Rawpoor Pass, 19½ miles ...	2,000	...	2,000
	100	Do. do. Rajampett, *via* Sonepoy Ghaut to Royachoty, 35 miles... ...	2,050	...	2,050
	101	Do. do. Nundalore to Railway Station, 6 furlongs	80	...	80
	102	Do. do. Wontimittah to do. 2, furlongs	30	...	30
	103	Do. do. do. to Hoblum, 18 miles...	900	...	900
	104	Do. do. do. to Sidhout, 8 miles ...	800	...	800
	105	Do. do. Sidhout to Budwail, 22 miles...	2,200	...	2,200
	106	Do. do. Budwail to Kurnool frontier, 35 miles	600	...	600
	107	Do. do. Porumamila to Mydikoor, 28 miles	1,400	...	1,400
	108	Do. do. Trunk Road No. VIII. near Nandialampett to Podatoor, 20 miles, 3 furlongs and 132 yards.	1,020	...	1,020
	109	Do. do. Podatoor, *via* Corapaud to Jillala, 12 miles...	600	...	600
	110	Do. do. Davagoody, *via* Pedda Pushpully to Nosoom, 20 miles ...	1,000	...	1,000
	111	Do. do. do. to Jummulamudugoo, 14 miles...	700	...	700
	112	Do. do. Podatoor to Yerragoontla ...	350	...	350
	113	Do. do. Gundloor to Condapooram, 2 miles, 1 furlong	100	...	100
	114	Do. do. Moodanoor to Kadri, 24 miles...	1,200	...	1,200
	115	Do. do. Camalapoor to Railway Station, and Road No. I. 1 mile, 5 furlongs and 106 yards	80	...	80
	116	Do. do. Cuddapah to Patha Cuddapah, 6 furlongs and 114 yards ...	100	...	100
	117	Do. do. do. to Sidhout, 10 miles, 2 furlongs and 55 yards	1,020	...	1,020
	118	Do. do. do. to Vempully, 26 miles.	1,300	...	1,300
	119	Do. do. Royachoty, *via* Vempully to Yellanoor, 58 miles	2,900	...	2,900
	120	Do. do. Royachoty to Soondapully, 11 miles and 5 furlongs	1,150	...	1,150
	121	Do. do. do. to Angaloo on Trunk Road No. XVIII. 37 miles ...	3,100	...	3,100
	122	Do. do. Royachoty to Kadri, 44 miles...	4,400	...	4,400
	123	Do. do. Kadri, *via* Mootialchervoo to Bellary frontier, 21 miles ...	1,450	...	1,450
	124	Do. do. Molkavaimla on Trunk Road, No. XVIII. to Pomdoorty (Bellary), 5 miles	500	...	500

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
			Rs.	Rs.	Rs.
Cuddapah.—(*Concluded.*)		*Communications.*—(Continued.)			
	125	Repairs of road from Checkatamanepully on Trunk Road No. XVIII. to Cundakoor, 8 miles	400	...	400
	126	Do. do. Cundakoor to Cotoocotta, 8 miles	400	...	400
	127	Do. do. Canulamadogoo on Trunk Road No. XVIII. to Mysore frontier near Suddum, 24 miles... ...	1,200	...	1,200
	128	Do. do. Madanapully to Mysore frontier near Seeglabyle, 8 miles... ...	800	...	800
	129	Do. do. Madanapully, *via* Chinna Tippasamoodrum, Voilpaud and Peelair to Nagapatla Pass, 54 miles	4,000	...	4,000
	130	Do. do. Chinna Tippasamoodrum to Angaloo on Trunk Road No. XVIII., 5 miles	250	...	250
	131	Do. do. Voilpaud to Goorumcondah, 10 miles	1,000	...	1,000
	132	Do. do. Goorumcondah to Calcudda, 14 miles	700	...	700
	133	Do. do. Balasamoodrum to Poolicoonta, 20½ miles	2,050	...	2,050
	134	Do. do. Codoor to Chitwail, 16 miles ...	1,600	...	1,600
	135	Do. do. Rajempett to Tungatoor, 9 miles	900	...	900
		Total...	50,930	...	50,930
Bellary.	136	Repairing the Road from Hollal [to] Mysore frontier near Hoolvasungatihally, *via* Hurpenhully, Kudlighi and Goodecottah, 70 miles at 50 rupees per mile...	3,500	...	3,500
	137	Do. from Mysore frontier near Hurryhur *via* Hurpenhully to Trunk Road No. XVIII. at Gourypoor 57 miles, 3 furlongs 190 yards at 50 rupees per mile.	2,870	...	2,870
	138	Do. from Hurpenhully to Arsakara 10 miles at 50 rupees per mile...	500	...	500
	139	Do. from do. to Hovinhudgully 16 miles 2 furlongs, at 50 rupees per mile ...	800	...	800
	140	Do. from Oojany *via* Kotoor to Sevanihully, 37 miles at 50 rupees per mile... ...	1,850	...	1,850
	141	Do. from Kudlighi to Gourypoor, 23 miles 7 furlongs, 30 yards, at 50 rupees per mile	1,200	...	1,200
	142	Do. from do. *Via* Bundri to Somalapoor, 13 miles, at 50 rupees per mile ...	650	...	650
	143	Do. from do. to Hossahully, 19 miles, at 50 rupees per mile	950	...	950
	144	Do. from Bellahunsy to foot of Nagalapur Ghaut, 13 miles, 2 furlongs, 10 yards, at 50 rupees per mile...	650	...	650

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
			Rs.	Rs.	Rs.
Bellary.—(*Continued.*)		*Communications.*—(Continued.)			
	145	Repairing the road from Hospett to Hossoor, 4 miles, 1 furlong, 146 yards, at 100 rupees per mile	400	...	400
	146	Do. from Hospett to Kumply, 19 miles, 4 furlongs, 120 yards, at 100 rupees per mile	1,950	...	1,950
	147	Do. from Comalapur to Davalapoor near Darojee, 12 miles, 2 furlongs, 80 yards, at 50 rupees per mile...	600	...	600
	148	Do. from Kumply to Cooditiny, 20 miles, 2 furlongs, 60 yards, at 100 rupees per mile	2,000	...	2,000
	149	Do. from Bellary to Siroogupah, 33 miles, 3 furlongs, 198 yards, at 50 rupees per mile	1,680	...	1,680
	150	Do. from Siroogupah to Adony, 23 miles, 3 furlongs, 176 yards, at 50 rupees per mile	1,170	...	1,170
	151	Do. from Adony, *via* Yenviganoor to Nagaladinna, 31 miles, at 50 rupees per mile	1,550	...	1,550
	152	Do. from Madavaram, *via* Adony, to Trunk Road No. XIX. at Aspery, 40 miles, 1 furlong, 17 yards, at 100 rupees per mile	4,000	...	4,000
	153	Do. from Adony to Trunk Road No. XIX. near Allur, 14 miles, 4 furlongs, 18 yards, at 100 rupees per mile	1,450	...	1,450
	154	Do. from Allur, *via* Chippagiry, to Goontakal, 20 miles, at 50 rupees per mile...	1,000	...	1,000
	155	Do. from Goontakal to Ooravaconda, 18 miles, at 50 rupees per mile	900	...	900
	156	Do. from Gooty to Jonagherry, 7 miles, 112 yards, at 100 rupees per mile	700	...	700
	157	Do. from Cuddapah frontier *via* Gooty to Trunk Road No. XVIII. near Jaladarsy, 75 miles, 7 furlongs, 131 yards, at 100 rupees per mile	7,600	...	7,600
	158	Do. from Bellary to Bapanagoody, 12 miles at 50 rupees per mile...	600	...	600
	159	Do. from do. *Via* Culliandroog to Mysore frontier near Cumbadoor, 61 miles, 154 yards, at 50 rupees per mile ...	3,050	...	3,050
	160	Do. from Bellary, *via* Hurihall to Mysore frontier, 13 miles, 22 yards, at 100 rupees per mile	1,300	...	1,300
	161	Do. from do. to Raidroog (from the 8th mile stone on the last named road), 25 miles, at 50 rupees per mile	1,250	...	1,250
	162	Do. from Mysore frontier near Raidroog to Cudair, 43 miles 193 yards at 50 rupees per mile	2,150	...	2,150
	163	Do. from Raidroog, *via* Calliandroog to Dhurmaveram, 66 miles, 111 yards, at 50 rupees per mile	3,300	...	3,300

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Bellary.—(*Concluded.*)	164	Repairing the road from Anantapoor to Tadpatry, 33 miles, 5 furlongs, 93 yards, at 100 rupees per mile	3,380	...	3,380
	165	Do. from Tadpatry to Yellancre, 16 miles, at 50 rupees per mile...	800	...	800
	166	Do. from Nyanapully on No. 36 to Dhurmaveram, 29 miles, 13 yards, at 50 rupees per mile	1,450	...	1,450
	167	Do. from Dhurmaveram to Damajipully, 8 miles, 5 furlongs, 18 yards, at 50 rupees per mile	450	...	450
	168	Do. from do. to Cochervoo, 15 miles, 4 furlongs, 35 yards, at 50 rupees per mile	770	...	770
	169	Do. from Pennaconda, *via* Cochervoo and Bookapatam to Pomdoorty and Cuddapah frontier, 35 miles at 50 rupees per mile	1,750	...	1,750
	170	Do. from Cochervoo to Bangalore road near Codoor, 24 miles, 4 furlongs, 40 yards, at 50 rupees per mile...	1,220	...	1,220
	171	Do. from Boodaly on No. 42 to Cuddapah frontier towards Kadary, 11 miles, 4 furlongs, at 50 rupees per mile... ...	570	...	570
	172	Do. from Kodeconda, *via* Lapautchy to Hindupoor, 23 miles, 4 furlongs, 119 yards, at 50 rupees per mile	1,170	...	1,170
	173	Do. from Hindupur to Mysore frontier near Chowloor, 7 miles, 4 furlongs, 44 yards, at 50 rupees per mile	380	...	380
	174	Do. from Hindupur to Bangalore road at Samundapully, 16 miles, 4 furlongs, 50 yards, at 50 rupees per mile ...	830	...	830
	175	Do. from Hindupur to Madacsira, 20 miles, 2 furlongs, 15 yards, at 50 rupees per mile	1,020	...	1,020
	176	Do. from Mysore frontier, *via* Madacsira to Powghur frontier, 8 miles, 4 furlongs, 166 yards, at 50 rupees per mile	430	...	430
	177	Do. from Madacsira to Madody, 17 miles, 2 furlongs, 176 yards, at 50 rupees per mile	860	...	860
	178	Do. from Madacsira to Amrapur, 26 miles, at 50 rupees per mile	1,300	...	1,300
	179	Do. from Madacsira to Penkondah, 26 miles, at 50 rupees per mile	1,300	...	1,300
	180	Do. from Penkondah to Rodam and Powghur, 11 miles, 4 furlongs, 25 yards, at 50 rupees per mile	580 720	... ...	580 720
	181	Petty Repairs			
		Total...	68,600	...	68,600

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Kurnool.	182	Maintenance of road from Gootty to Kurnool, 53 miles	7,950	...	7,950
	183	Do. between Aspery and Jonnagirry, 24 miles, 103 yards	2,400	...	2,400
	184	Do. from Kurnool to Nandikotkur, *via* Gadidamadugu, 19 miles, 3 furlongs, 211 yards...	1,950	...	1,950
	185	Do. of Rawpoor Ghaut, 5 miles	...	500	500
	186	Do. of road to Mantralkanamah Ghaut, 12 miles	1,000	...	1,000
	187	Do. of road from the Imperial road to Cumbum frontier, 16 miles ...	1,600	...	1,600
	188	Do. from Ramalkota to Yeldurty, 5 miles, 3 furlongs, 196 yards ...	...	500	500
	189	Do. from Rungapur to Gootty road near Peapully, 5 miles	...	500	500
	190	Do. from Gootty road near Peapully to Jonnagiry, 9 miles, 3 furlongs...	...	950	950
	191	Do. from Pudur Bridge to Bapanakotkur, 4 miles, 6 furlongs, 74 yards.	...	480	480
	192	Do. from Aqueduct at Tarigopela to Paramanchala, 3 miles, 4 furlongs, 1 yard	...	350	350
	193	Do. from Ullur to Nandikotkur, 3 miles, 2 furlongs, 198 yards ...	...	330	330
	194	Branch road from the Imperial road No. 17 to Calwah, 3 miles, 748 yards ...	...	300	300
	195	Petty Repairs	...	1,610	1,610
		Total...	14,900	5,520	20,420
Madras.	196	Repairing the road from Nagalapoorum *via* Oothoocottah 22½ miles, at 150 rupees per mile...	3,370	...	3,370
	197	Do. road from Oothoocottah to Sathiavedoo, 9 miles, at 100 rupees a mile..	900	...	900
	198	Do. road from Sathiavedoo to Kavarapett, 13½ miles, at 100 rupees a mile...	1,350	...	1,350
	199	Do. road from Oothoocottah to Imperial Road No. I. *via* Periapollium, 22½ miles, at 50 rupees a mile	1,120	...	1,120
	200	Do. road from Trivatore to Ponneri *via* Vullur, 6 miles, at 50 rupees a mile	300	...	300
	201	Do. road from Anicut near Vulloor South of Cortilliaur to Imperial Road No. I. near the Red Hills, 13½ miles, at 75 rupees a mile	1,010	...	1,010
	202	Do. road from Ponneri to Pulicat *via* Madoor, 12 miles, at 75 Rupees a mile	900	...	900
	203	Do. road from Poodoovoil to Arani, 4 miles, at 75 rupees a mile...	300	...	300

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—Continued.)	RS.	RS.	RS.
Madras.—(*Continued.*)	204	Repairing the road from Koratoor to Tripasoor *via* Trivellore, 10 miles at 150 Rupees a mile	1,500	...	1,500
	205	Do. road from Nagalapooram towards Poothoor Railway Station, 5 miles, at 75 rupees a mile...	370	...	370
	206	Do. road from Marmalong Bridge *via* Pullicarani to Trunk Road No. VIII. (now No. II.) at Iroombiliyur, 7 miles, at 50 rupees a mile	350	...	350
	207	Do. road from Koodumbacum to Coonnatoor, 9 miles, at 150 rupees a mile...	1,350	...	1,350
	208	Do. road from Teroomooshee to Koratoor, 6 miles, at 150 rupees a mile	900	...	900
	209	Do. road from Cunnattoor to Streeperamadoor, 10 miles, at 100 rupees a mile.	1,000	...	1,000
	210	Do. road from Wallajabad to Imperial Road No. II near Vendaloor, 18 miles, at 100 rupees a mile	1,800	...	1,800
	211	Do. road from Lattice bridge to Triporoor, 10 miles, at 50 rupees a mile ...	500	...	500
	212	Do. road from Conjeveram to McLeans' choultry on Imperial Road No. III, 2½ miles, at 150 rupees a mile...	370	...	370
	213	Do. road from a point on the Kambakal channel *via* Parandoor to Paloor tramway station, 6 miles, at 50 rupees a mile	300	...	300
	214	Do. road from Cooum, etc., villages to Thundlam on the 20th mile of the Imperial Road No. III, 9 miles, at 50 rupees a mile	450	...	450
	215	Do. road from Paloor Tramway Station along Tramway to Conjeveram (known as Arconum road) 6½ miles, at 150 rupees a mile	970	...	970
	216	Do. road from Padapay to Streeperamdoor *via* Manimungalum, 3 miles, at 100 rupees a mile	300	...	300
	217	Do. road from Wallajabad to Soonkawar Choultry on Imperial Road No. III, 10 miles, at 50 rupees a mile	500	...	500
	218	Do. road from Chingleput to Sooruppen Choultry on Imperial Road No. III *via* Conjeveram, 27 miles, at 100 rupees a mile	2,700	...	2,700
	219	Do. road from Poonamalle to Avady, 5¼ miles, at 150 rupees a mile	790	...	790
	220	Do. road between Conjeveram and Palar river (known as Thellar road), 3 miles at 100 rupees a mile	300	...	300

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	RS.	RS.	RS.
Madras.—(*Concluded.*)	221	Repairing the road from Chingleput to Tiroocalicoondrum	1,800	...	1,800
		Do. road from Tiroocalicoondrum to Sadras, 18 miles, at 100 rupees a mile.			
	222	Do. road from 41st milestone on Trunk Road No. VIII (now No. II) to Tetry *via* Ootramallur, 12 miles, at 75 rupees a mile	900	...	900
	223	Do. branch road from Karunguli to join the above, 5 miles, at 100 rupees a mile	500	...	500
		Total...	26,900	...	26,900
North Arcot.	223A	Maintenance to road from Chittoor to Gudiathum. Length 26 miles, at 75 rupees a mile	1,950	...	1,950
	224	Do. do. from Gudiathum Railway Station to join Vellore and Arnee road at Kaniembady. Length 15 miles, at 50 rupees a mile.	750	...	750
	225	Do. do. from Gudiathum to foot of Naikanery Pass at Bathnapalli. Length 12 miles, at 50 rupees a miles	600	...	600
	226	Do. do. from Satghur to Melpadi Railway Station. Length 8 miles, at 75 rupees a mile	600	...	600
	227	Do. do. from Satghur to Ambur Railway Station. Length 12 miles, at 75 rupees a mile	900	...	900
	228	Do. do. from Gudiathum to Vellore Railway Station. Length 18 miles, at 75 rupees a mile ...	1,350	...	1,350
	229	Do. do. from Vellore Railway Station to Trivellum. Length 10 miles, at 75 rupees a mile	750	..	750
	230	Do. do. from Trivellum to Melpady. Length 6 miles, at 23 rupees a mile	300	...	300
	231	Do. do. from Chittoor to Arugonda with branch to Iral road. Length 22 miles, at 13 rupees a mile...	290	...	290
	232	Do. do. from Tripathi at Nendragunta to Penmary. Length 6 miles, at 17 rupees a mile	300	...	300
	233	Do. do. from Chittoor to Ranipet. Length 26 miles, at 112 rupees a mile	2,920	...	2,920
	234	Do. do. from Tripathi road *via* Damulchervu to Trunk Road No. XI. Length 8 miles, at 50 rupees a mile	400	...	400

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
NORTH ARCOT.—(Continued.)	235	Maintenance to road from Chittoor to Puthoor Railway Station, North-west line. Length 30 miles at 75 rupees a mile	2,250	...	2,250
	236	Do. do. from Puthoor Railway Station to Nagalapuram. Length 18 miles, at 75 rupees a mile...	1,350	...	1,350
	237	Do. do. from Tripathi to Vadamalapate on Trunk Road No. XIII *via* Trichanoor and Poody Railway Station. Length 10 miles, at 75 rupees a mile	750	...	750
	238	Do. do. from Tripathi town to Railway Station. Length 6 miles, at 150 rupees a mile	900	...	900
	239	Do. do. from Chendragherry to Rungampett (Beemaveram ghaut) with branch to Tripathi pagoda hill. Length 10 miles, at 30 rupees a mile	300	...	300
	240	Do. do. from Yerpet to the Nellore frontier on the line to Venkatagherry. Length 17 miles, at 100 rupees a mile	1,700	...	1,700
	241	Do. do. from Tirutani to Sholinghur. Length 15 miles, at 75 rupees a mile	1,120	...	1,120
	242	Do. do. from Tirutani to Trunk Road No. XIII *via* Arcot Cuppum. Length 9 miles, at 75 rupees a mile...	680	...	680
	243	Do. do. from Sholinghur to Ponney. Length 13 miles, at 75 rupees a mile	970	...	970
	244	Do. do. from Sholinghur to Railway station. Length 10 miles, at 90 rupees a mile	900	...	900
	245	Do. do. from Arcot Railway station to Wallajapet. Length 3 miles, at 100 rupees a mile	300	...	300
	246	Do. do. from do. to Ranipet. Length 3 miles, at 150 rupees a mile ...	450	...	450
	247	Do. do. from Wallajapet to Peruncanje on road No. XXXII. Length 8 miles, at 50 rupees a mile ...	400	...	400
	248	Do. do. from Sholinghur Railway station to Trunk Road No. 1, *via* Caveripauk. Length 9 miles, at 100 rupees a mile	900	...	900
	249	Do. do. from Sholinghur Railway station to Mehandravady. Length 6 miles, at 50 rupees a mile...	300	...	300

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
NORTH ARCOT.—(Continued.)	250	Maintenance to road from Arni to join Polur Road, No. 43, at Yettivedu. Length 15 miles, at 50 rupees a mile...	750	...	750
	251	Do. do. from Arni to Arcot. Length 18½ miles, at 100 rupees a mile...	1,850	...	1,850
	252	Do. do. from do. to South Arcot frontier *via*, Chetpet on line to Gingi. Length 18 miles, at 100 rupees a mile	1,800	...	1,800
	253	Do. do. from Arcot to Trunk Road, No. 1, at Arapakam. Length 7 miles, at 75 rupees a mile ...	520	...	520
	254	Do. do. from Byreddipalli to Trunk Road No. X. *via*, Lakkanapalli. Length 7 miles, at 50 rupees a mile...	350	...	350
	255	Do. do. from Arni to Padavedu jungles in Santavasal. Length 10 miles, at 30 rupees a mile...	300	...	300
	256	Do. do. from do. to Wandawash. Length 25 miles, at 70 rupees a mile...	1,730	...	1,730
	257	Do. do. from Ossur to Natchatracovil. Length 7 miles, at 43 rupees a mile	300	...	300
	258	Do. for sections formed of road from Punganoor to junction, with Trunk Road No. XI. Length 33 miles, at 30 rupees a mile.	1,000	...	1,000
	259	Do. do. from Goodiathem Railway station to Palmanair. Length 27 miles, at 1,000 rupees a mile.	2,700	...	2,700
	260	Do. do. from Poothalpet to Tripathi. Length 28 miles, at 100 rupees a mile	2,830	...	2,830
	261	Do. do. from Trunk Road No. X, at Palmanair to Cuppum Railway Station, *via*, Venkataghirry-kota with branches to Cadapanattam and Theertham. Length 54 miles, at 44 rupees a mile...	2,400	...	2,400
	262	Do. do. from Vellore to junction with Trunk Road No. X. Length 11 miles, at 250 rupees a mile...	2,750	...	2,750
	263	Do. do. from Trunk Road No. XI, to Iral. Length 11 miles, at 50 rupees a mile	600	...	600
	264	Do. do. from do. to Penmari. Length 11 miles, at 50 rupees a mile...	500	...	500

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for Expenditure. By Public Works Department.	By Revenue Department.	Total.
			RS	RS.	RS.
		Communications.—(Continued.)			
NORTH ARCOT.—(*Concluded.*)	265	Maintenance to road from Tripathi Railway Station *via* Calastry to Naidupet, length 35 miles at 92 rupees a mile...	3,240	...	3,240
	266	Do. do. from Vellore to Arni, length 23 miles at 150 Rupees a mile	3,450	...	3,450
	267	Do. of the branch from Nellore to Arni road at Kannamungalum to South Arcot frontier (Trinomallai) *via* Peloor, length 28 miles at 100 rupees a mile...	2,800	...	2,800
	268	Do. to road from Arcot to Wandawash with branches to Chekramallore and Calavay, length 40 miles at 90 rupees a mile...	3,600	...	3,600
	269	Do. to road from Wandawash to Poloor *via* Chetpet, length 35 miles at 75 rupees a mile	2,630	...	2,630
	270	Do. do. from Conjeeveram to South Arcot frontier *via* Wandawash Thindivanum, length 38 miles at 42 rupees a mile	1,600	...	1,600
	271	Do. do. from Madras to Cuddapah frontier Trunk Road No. XIII., length 38 miles at 51 rupees a mile...	1,940	...	1,940
	272	Petty repairs	1,900	...	1,900
		Total... ...	65,920	...	65,920
		Cuddalore Talook.			
SOUTH ARCOT.	273	Road from Trivendipuram to Trivady by Palur, 10 miles at 100 rupees per mile	1,000	...	1,000
	274	Do. from Trippapulyur to Varkalpat by Trivendepuram, four miles at 100 rupees per mile...	400	...	400
	275	Do. from do. to Cundamungalum by Pakam, 10 miles at 80 rupees per mile...	800	...	800
	276	Do. from Puttambakam to Trunk Road No. 9, 4 miles at 100 rupees per mile	400	...	400
	277	Do. from Punrootty to Anathoor, 4 miles at 150 rupees per mile	600	...	600
	278	Do. from Virdachellum road (11th mile) to Gundiamallore, 10 miles at 100 rupees per mile	1,000	...	1,000
	279	Do. from Coollen's Choultry to Teagavelly and Coodicadoo, 4½ miles at 66 rupees per mile	300	...	300
	280	Do. from Kurinjipaudy to Bowanagherry as far as Paravanur, 4 miles at 100 rupees per mile	400	...	400
	281	Do. from Cuddalore to the Salem frontier by Verdachellum, 24 miles at 100 rupees per mile	2,400	...	2,400

Details of Estimate for Repairs for the year 1870-71, *etc.*—Continued.)

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
			RS.	RS.	RS.
		Communications.—(Continued.)			
		Villapuram Talook.			
	282	Road from Villapuram to Pondicherry, 18 miles at 100 rupees per mile	1,800	...	1,800
	283	Do. from do. to Trinomallay (as far as Talook boundary)-20 miles at 100 rupees per mile	2,000	...	2,000
	284	Do. from Villapuram to Ginjee (as far as Talook boundary) 13½ miles at 75 rupees per mile	1,000	...	1,000
	285	Do. from do. to Trivanellore (as far as the bank of the Pooniar) 5½ miles at 110 rupees per mile	600	...	600
	286	Do. from Papanpet to Vurdoor by Madurapakum, 13 miles at 77 rupees per mile...	1,000	...	1,000
		Tindivanum Talook.			
SOUTH ARCOT.—(*Continued.*)	287	Road from Tindivanum to Vellimodu, 10 miles at 100 rupees per mile	1,000	...	1,000
	288	Do. from do. to Pondicherry, 18 miles at 100 rupees per mile	1,800	...	1,800
	289	Do. from Vellimodoo to Chendoor, 14 miles at 100 rupees per mile	1,400	...	1,400
	290	Do. from Ginjee to Villapuram, 6 miles at 100 rupees per mile	600	...	600
	291	Do. from do. to Chaitpet, 15 miles at 100 rupees per mile	1,500	...	1,500
		Trinomallay Talook.			
	292	Road from Trinomallay to Trikkalore, 12 miles at 100 rupees per mile	1,200	...	1,200
	293	Do. from do. to Paloor, 12 miles at 100 rupees per mile	1,200	...	1,200
	294	Do. from do. to Owloorpett, 14 miles at 100 rupees per mile	1,400	...	1,400
	295	Do. from do. to Manalorepett, 15 miles at 100 rupees per mile	1,500	...	1,500
	296	Do. from do. to Villapuram, 8 miles at 100 rupees per mile	800	...	800
	297	Do. from do. to Thundarampett, 10 miles at 100 rupees per mile	1,000	...	1,000
	298	Do. from Pennathoor to Owloorpett, 6 miles at 100 rupees per mile	600	...	600
		Trikkalore Talook.			
	299	Road from Trikkalore to Veeraperoomanellore, 21 miles at 100 rupees per mile	2,100	...	2,100
	300	Do. from do. to Trinomally, 10 miles at 100 rupees per mile	1,000	...	1,000

Districts.	No.	Description of Work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
		Trikkalore Talook.—(Continued.)			
	301	Do. from Trikkalore to Manalorepett, 6¾ miles at 100 rupees per mile	670	...	670
	302	Do. from Trivanellore to Trikkalore, 14 miles at 100 rupees per mile	1,400	...	1,400
	303	Do. from do. to Villapuram, 4 miles at 100 rupees per miles	400	...	400
	304	Do. from do. to Oclundurpett, 14 miles at 100 rupees per mile	1,400	...	1,400
	305	Do from Ellavanasore to Assanore, 6½ miles at 100 rupees per mile	650	...	650
		Kullacoorchy Talook.			
	306	Road from Tiagar to Manaloorpett, 19 miles at 100 rupees per mile	1,900	...	1,900
	307	Do. from Kullacoorchy to Katcheroyapoliem. 8 miles at 75 rupees per mile	600	...	600
	308	Do. from Trikkalore to Ellavanasoor, 19 miles at 105 rupees per mile	2,000	...	2,000
	309	Do. from Trivanellore to Anathoor, 8⅝ miles at 100 rupees per mile	850	...	850
	310	Do from Ellavanasoor to Mungalum, 8½ miles at 100 rupees per mile	850	...	850
	311	Do. from Chinna Salem to Katcheroyapoliem 7 miles at 100 rupees per mile	700	...	700
		Virdachellum Talook.			
	312	Road from Virdachellum to Oclundoorpett, 14 miles at 100 rupees per mile...	1,400	...	1,400
	313	Do. from do. to Satialapet, 16 miles at 125 rupees per mile	2,000	...	2,000
	314	Do. from do. to Trunk Road No 8 by Pennadum and Thittagoody, 30 miles at 84 rupees per mile...	2,500	...	2,500
	315	Do. from Cuddalore to the Salem frontier by Virdachellum portion in 4th Range, 44 miles at 100 rupees per mile	4,400	...	4,400
	316	Do. from 3rd mile of Satiatope road to Comarattumgalum, 2½ miles at 100 rupees per mile	250	...	250
		Chellumbram Talook.			
	317	Road from Chellumbram to Killay and Nakravandygoody, 6 miles at 100 rupees per mile...	600	...	600
	318	Do. from do. to Bhowangherry, 4 miles at 125 rupees per mile	500	...	500
SOUTH ARCOT.—(*Continued.*)					

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
		Chellumbram Talook.—(Continued.)			
	319	Road from Chellumbram to Nadarajapuram with a branch to Cosavempett, 7 miles at 100 rupees per mile	700	...	700
	320	Road from do. to Laulpet and Mannargoody, 15 miles at 133 rupees per mile	2,000	...	2,000
	321	Do. from 2nd mile of Chellambram and Mannargoody road to Veerannan tank bank by Poothoor, 10 miles at 100 rupees per mile...	1,000	...	1,000
	322	Do. from 11th mile of Chellambram and Mannargoody road to Naiwasal, 3 miles at 134 rupees per mile	400	...	400
	323	Do. from 4th do. of do. and do. to Thavaruthumpett, 2½ miles at 120 rupees per mile	300	...	300
	324	Do. from 6th do. of do. and do. to Themmur and Myathur, 2½ miles at 120 rupees per mile	300	...	300
	325	Do. from Mannargoody to Omampuliur, 4 miles at 100 rupees per mile	400	...	400
	326	Do. from do. to Yeilur, 7 miles at 100 rupees per mile	700	...	700
	327	Do. from do. to Cundamungalum, 3 miles at 100 rupees per mile...	300	...	300
	328	Roads near Vellaur anicut to Veerannan tank Boodangoody, Ambapuram, Keelangadoo, etc., 5½ miles at 100 rupees per mile...	550	...	550
	329	Do. from Keerapolliem to Boodengoody, 7 miles at 100 rupees per mile...	700	...	700
	330	Do. from Bhowanagherry to Kuringeepady, 9 miles at 100 rupees per mile	900	...	900
	331	Do. from Porto Novo to Trunk Road No. 9, 16 miles at 100 rupees per mile	1,600	...	1,600
	332	Do. from do. to Poodoochuttrum, 3 miles at 100 rupees per mile	300	...	300
	333	Do. from do. to Killay, 3 miles at 100 rupees per mile	300	...	300
	334	Do. from Sea Custom's House at Porto Novo to sea shore, 4 miles at 100 rupees per mile...	400	...	400
	335	Petty repairs	1,650	...	1,650
		Total...	66,370	...	66,370
TANJORE.	336	Maintenance allowance to Road No. 1 from Tanjore to Negapatam, 52 miles at 150 rupees per mile... 7,800	...	...	...
SOUTH ARCOT.—(*Concluded.*)					

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
TANJORE.—(*Continued.*)	337	Maintenance allowance to Road No. 1 from Tanjore to Trichinopoly, 20 miles at 120 rupees per mile... 2,400	10,200	...	10,200
	338	Do. No. 4, from Tanjore to the South bank of Coleroon, 4¼ miles, metalled at 610 rupees per mile 2,900	...	...	...
	339	2¾ miles unmetalled at 100 rupees per mile 270	3,170	...	3,170
	340	Do. No. 5, from Tanjore to Combaconum, 21 miles, at 100 rupees per mile ...	2,100	...	2,100
	341	Do. No. 6, from Tanjore to Govindagudi on Road No. 10, 14 miles, at 75 rupees per mile	1,050	...	1,050
	342	Do. No. 7 from Tanjore to Mannargoodi, 22 miles at 60 rupees per mile	1,320	...	1,320
	343	Do. No. 9 from Gandracottah to Road No. 1, 14 miles, at 60 rupees per mile ...	840	...	840
	344	Do. Road No. 10, from Papanasem to Valanghaman, 7 miles, at 60 rupees per mile	420	...	420
	345	Do. No. 11 from Combaconum to Woodiarpolliem, 5½ miles, at 60 rupees per mile	330	...	330
	346	Do. No. 12 from Audoothoray to Tranquebar 26¼ miles, at 50 rupees per mile.	1,330	...	1,330
	347	Do. No. 13 from Combaconum to Karikal, 27 miles, at 50 rupees per mile ...	1,350	...	1,350
	348	Do. No. 14 from Combaconum to Codavassal, 18 miles, at 50 rupees per mile...	900	...	900
	349	Do. No. 15 from Combaconum to Mannargoody and from Mannargoodi to Adrampatam, 7 miles, metalled between Needamangalum to Mannargudi at 550 rupees per mile 3,850	...	...	...
	350	14 miles unmetalled between Combaconum and Needamangangalum at 150 rupees per mile 2,100	...	...	...
	351	20 miles between Mannargudi and Adrampatam at 100 rupees per mile 2,000	7,950	...	7,950
	352	Do. No. 16 from Valanghaman to Codavassal, 18 miles, at 60 rupees per mile	1,080	...	1,080
	353	Do. No. 17 from Codavassel to Coradacherry, 6 miles, at 100 rupees per mile	600	...	600

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
TANJORE.—(*Continued.*)	354	Maintenance allowance to Road No. 19 from No. 15 to Aruntanghi to Pattucottah, 36 miles, at 50 rupees per mile ...	1,800	...	1,800
	355	Do. No. 20 from Pattucottah to Avidiarcovil, 22 miles, at 40 rupees per mile	880	...	880
	356	Do. No. 21 from Aruntanghi to Minpessel, 23 miles, at 50 rupees per mile... ...	1,150	...	1,150
	357	Do. No. 23 from Mannargudi to Tiruvalur, 16 miles, at 100 rupees per mile ...	1,600	...	1,600
	358	Do. No. 24 from Muttupettah to Minpessel via Adrampatam, 38 miles, at 50 rupees per mile	1,900	...	1,900
	359	Do. No. 26 from Muttupettah to Velanganny, 32 miles, at 100 rupees per mile	3,200	...	3,200
	360	Do. No. 27 from Cottur to Sungandi, 8 miles, at 50 rupees per mile	400	...	400
	361	Do. No. 29 from Shealli to Teromalavassel, 7½ miles, at 50 rupees per mile ...	370	...	370
	362	Do. No. 30 from Mayaveram to Nagore, 25 miles, at 100 rupees per mile ...	2,500	...	2,500
	363	Do. No. 31 from Mayaveram to Road No. 28, 11 miles, at 50 rupees per mile	550	...	550
	364	Do. No 32 from Mayaveram to Caveripatam, 15 miles, at 25 rupees per mile	380	...	380
	365	Do. No. 33 from Mannargudi to Nagore joining Road No. 30, 10 miles at 40 rupees per mile	400	...	400
	366	Do. No. 35 from Parallem to Terootorapundi via Teruvalur, 28 miles, at 120 rupees per mile	3,360	...	3,360
	367	Maintenance allowance to Road No. 36 from Negapatam to Valanganny 6½ miles, at 100 rupees per mile.	650	...	650
	368	Do. No. 37 from Moottoopettah to Madookoor 8 miles, at 40 rupees per mile ...	320	...	320
	369	Do. No. 39 from Papanasem to Ammapettah 9 miles, at 120 rupees per mile ...	1,080	...	1,080
	370	Do. No. 40 from Coottalam to Lower Anicut 12 miles, at 50 rupees per mile ...	600	...	600
	371	Do. No. 41 from Vydeesvaram covil to Pandanelloor, 14 miles, at 50 rupees per mile	700	...	700
	372	Do. No. 46 from Nagore to Kangalancherry, 14½ miles, at 60 rupees per mile ...	870	...	870
	373	Do. No. 47 from Nachiar covil to Nannilam, 15 miles, at 50 rupees per mile.	750	...	750
	374	Do. No. 48 from Combaconum to Mayaveram 26 miles, at 50 rupees per mile	1,300	...	1,300

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
			Rs.	Rs.	Rs.
Tanjore.—(Concluded.)	375	Maintenance allowance to road No. 50 from Iyempettah to Teroocattoopally along the south bank of Coldumurty, 16 miles, at 40 rupees per mile	640	...	640
	376	Do. No. 51 branching from Road No. 18 at the Moollyar Head and joining Road No. 35 and thence to Thalanayer, 8½ miles, at 50 rupees per mile	420	...	420
	377	Do. No. 53 from Theircovelandur to Palavaur bridge on Road No. 41, and thence to the Colleroon bank *via* Manamode, 9 miles, at 75 rupees per mile	680	...	680
	378	Do. No. 56 from Tanjore to Vallam *via* Pulliarpatty, 6 miles, at 150 rupees per mile	900	...	900
	379	Do. No. 57 Railway feeder from Senjiputty to Boodalore, and thence to Poodoochatrum 5 miles, at 100 rupees per mile	500	...	500
	380	Do. No. 58 from Coradacherry to Road No. 23 from Mannargudi to Terooval ur, and thence to No. 51, 5 miles, at 60 rupees per mile	300	...	300
	381	Do. No. 63 from No. 26 near Terootorapundi or from Pamani to Callimode, 9 miles, at 150 rupees per mile	1,350	...	1,350
	382	Do. No. 64 from Pattucottah to Mannargudi *via* Cannoogudi, 20 miles, at 60 rupees per mile	1,200	...	1,200
	383	Do. No. 65 from No. 35 near Harichendranady bridge to Keevalore on Road No. 1 (¾ mile) metalled at 560 rupees per mile... 420			
	384	12½ miles unmetalled at 120 rupees per mile 1,500	1,920	...	1,920
	385	Do. No. 69 from Shealli to Panangattangudi on the Colleroon bank, 4 miles, at 75 rupees per mile...	300	...	300
	386	Do. No. 70 along the Colleroon south bank from lower Anicut to Anikarenchatrum, 27 miles, at 50 rupees per mile ...	1,350	...	1,350
	387	Do. No. 79 along the Arasalar south bank 20 miles, at 40 rupees per mile	800	...	800
	388	Do. No. 85 from Codamurty Bridge in Papacovil on Road No. 36 along the Codamurty south bank to join the new Road No. 65, 7½ miles, at 40 rupees per mile	290	...	290
	389	Petty repairs	2,430	...	2,430
		Total...	70,480	...	70,480

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
			Rs.	Rs.	Rs.
		Communications.—(Continued.)			
Trichinopoly.	390	Repairing the road No. I. from Trichinopoly to Tanjore *via* Towagoody, 13 miles, at 175 rupees per mile...	2,270	...	2,270
	391	Do. do. No. III. from Trichinopoly to Caroor, 16 miles, metalled at 285 Rupees per mile, 24 miles unmetalled at 160 rupees per mile	8,400	...	8,400
	392	Do. do. No. IV. from Trichinopoly to Dindigul 43 miles, at 100 rupees per mile	4,300	...	4,300
	393	Do. do. No. VI. from Trichinopoly to Arealore and Woodiarpolliem to its Junction with Trunk road No. 9, 59¼ miles, at 120 rupees per mile	7,140	...	7,140
	394	Do. do. No. VII. from Musery to Kannanore and Toriore, 17¼ miles, at 100 rupees per mile	1,200	...	1,200
	395	Do. do. No. VIII. from Trichinopoly to Salem frontier *via* Toriore 42 miles, at 100 rupees per mile...	4,200	...	4,200
	396	Do. do. No. IX. from Perumbalore to Arealore, 15 miles, at 100 rupees per mile	700	...	700
	397	Do. do. No. X from Perumbalore to Kistnapuram, 14¼ miles, at 100 rupees per mile	800	...	800
	398	Do. do. No. XI. from Tirumalvady to Pullumbady, 11½ miles, at 75 rupees per mile	860	...	860
	399	Do. do. No. XII. from Madanakurichy to Jeyenconda Solapuram, Rajandrapatam and Pootoor, opposite to Virdachullum, 30¾ miles at 75 rupees per mile	2,300	...	2,300
	400	Do. do. No. XIII. along the Coleroon bank from the Lower Anicut to the road between Wodiarpolliem and Combaconum as far as Shengariore, 44 miles, at 75 rupees per mile...	1,430	...	1,430
	401	Do. do. No. XV. from Kulitalai to Manapparai, 26 miles, at 100 rupees per mile for the 14 miles completed	1,400	...	1,400
	402	Do. do. No. XVI. from Covilpatty to Manapparai, 8½ miles, at 100 rupees per mile	850	...	850
	403	Do. do. No. XX. from Lalgudi to Shengariore, 8 miles, at 75 rupees per mile	600	...	600

Deails of Estimate for Repairs for the year 1870-71, *etc.*—(Continued)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Trichinopoly.—(Concluded.)	401	Repairing the road No. XXI. from Trichinopoly to Combaconum *via* Circarpolliem, 5 miles, at 75 rupees per mile	380	...	380
	405	Do. do. No. XXII. from Trichinopoly to Vyalore, 4 miles, at 75 rupees per mile	300	...	300
	406	Do. do. No. XXIII. from Trichinopoly to Allitoray, 3⅖ miles, at 150 rupees per mile	510	...	510
	407	Do. do. No. XXIV. from Trichinopoly to Puducottah, 8 miles, at 100 rupees per mile	800	...	800
	408	Do. do. from Tiruvanakovel Teppacoolum to Mailoor as far as the limits of Streerungham, ¾ mile	...	400	400
	409	Do. do. from Streerungham south gate to the village of Mailoor, 2 miles	...	600	600
	410	Do. do. leading from Trunk road No. VIII. to the Mailoor Road *via* North bank of Cauvery in the limits of Veeraswaram ¾ mile	...	400	400
	411	Do. do. from Road No. 8 to join the Madras Trunk Road in the limits of Samayapuram, 2½ mile	...	700	700
	412	Petty repairs	130	300	430
		Total...	38,570	2,400	40,970
Madura.	413	Maintenance of road No. 25 from Tiroomangalem to Oosilamputty, 16 miles, at 150 rupees a mile	...	2,400	2,400
	414	Do. Oosilomputty to Andiputty, 13 miles at 150 rupees a mile	...	1,950	1,950
	415	Do. Andiputty to Allinagarem, 11 miles at 100 rupees a mile	...	1,100	1,100
	416	Do. Pullaputty to Peracolum, 28 miles, at 100 rupees a mile	...	2,800	2,800
	417	Do. Melur to Tirooppattoor on the road to Tanjore, 20 miles, at 75 rupees a mile	....	1,500	1,500
	418	Do. Tiroomangalom to junction with Dindigal road, 30 miles, at 120 rupees a mile	...	3,600	3,600
	419	Do. Battulagoontah to Dindigul, 22 miles at 100 rupees a mile	...	2,200	2,200
	420	Do. Dindigul to Caroor, 34 miles, at 150 rupees a mile	...	5,100	5,100
	421	Maintenance of road from Manalur to Shivagangah, 20 miles, at 140 rupees a mile	...	2,800	2,800

Details of Estimate for Repairs for 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Madura.	422	Maintenance of road from Shivagangah to Tirooppattoor, 22 miles at 100 rupees a mile	...	2,200	2,200
	423	Do. Pulni Hill roads, 12 miles, at 125 rupees a mile	...	1,500	1,500
	424	Do. Pambar to Kistnama Naik's Tope, 5 miles at 70 rupees a mile	...	350	350
	425	Do. from Madura to Checkanoorny, 11 miles, at 100 rupees a mile	...	1,100	1,100
	426	Do. Toveriman to Melakal, 6 miles, at 50 rupees a mile	...	300	300
	427	Repairing Streets in Cusbah Towns...	...	250	250
	428	Repair of road from Melur to Tirooppavanam	...	380	380
	429	Do. of road from Vandyur to Thooroombar	..	500	500
	430	Do. of Pettah at Cottampatt	...	460	460
	431	Blasting and removing rocks on Periacolom Ghaut	1,500	...	1,500
	432	Repairs to Siroomalai Ghat in the Dindigul side	300	...	300
	433	Do. in the Madura side near Thathomputty...	500	...	500
	434	Annual repairs to road from Periacolum *via* Poombarai to Pulny	500	...	500
	435	Petty repairs	...	5,000	5,000
		Total...	2,800	35,490	38,290
Tinnevelly.	436	Maintenance Allowance to road from Tinnevelly, *via* Sivalaperi and Valvanad to Strivicuntam, 10 miles ...	1,000	...	1,000
	437	Do. to do. from Palamcottah to Sivalaperi direct, 8 miles	400	...	400
	438	Do. to do. from Palamcottah to Trichendur, 25 miles	2,750	...	2,750
	439	Do. to do. from Strivicuntam to Yeral, 5 miles...	500	...	500
	440	Do. to do. from Altoor to Arumugamungalam, 2½ miles	250	...	250
	441	Do. to do. from Pudukudi through Velloro southwards, 3 miles ...	300	...	300
	442	Do. to do. from Tinnevelly to Kalladakurichi, *via* Shermadevi, 20 miles	2,400	...	2,400
	443	Do. to do. from Tinnevelly to Pottalpudur, 16 miles	1,600	...	1,600
	444	Do. to do. from Palamcottah through Taruvai to Shermadevi, 15 miles	1,500	...	1,500
	445	Do. to do. from Ambasamoodram to Papanasam, 6 miles...	600	...	600
	446	Do. to do. from Papagudi to Ambasamoodram, 8 miles	400	....	400

Details of Estimate for repairs for the year 1870-71, etc.—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Tinnevelly.—(*Continued.*)	447	Maintenance Allowance to road from Tenkasi through Pambulipatam to Achenkovil pass, 12 miles...	600	...	600
	448	Do. to do. from Tenkasi to Shenkottah, 4 miles...	400	...	400
	449	Do. to do. from Elanji to end of frontier through Vallan, 6 miles ...	400	...	400
	450	Do. to do. from Shermadevi to Kalakad, 7½ miles	750	...	750
	451	Do. to do. from Tisayanvilai to Kalakad *via* Vizianarayanam, 14 miles.	1,400	...	1,400
	452	Do. to do. from Viziapati to Eruvadi, 14 miles	1,400	...	1,400
	453	Do. to do. from Nanguneri to Tirukurungudi, 10 miles	700	...	700
	454	Do. to do. from do. to Mulakarapatti, 6 miles	300	...	300
	455	Do. to do. from Vypaur to Ottapidaram, 6 miles...	600	...	600
	456	Do. to do. from Sivalperi to do., 6 miles...	600	...	600
	457	Do. to do. from Vilatikolam to Kolattur, 6 miles...	600	...	600
	458	Do. to do. from Kovilpatti to Ettiapuram, 9 miles	1,800	...	1,800
	459	Do. to do. from Strivilliputtur to Wattrap, 6 miles	600	...	600
	460	Do. to do. from Tinnevelly to Rajapalayam, 17 miles	1,700	...	1,700
	461	Do. to do. from Madura frontier to Panagudi, 86 miles	8,600	...	8,600
	462	Petty repairs	5,000	...	5,000
		Total...	37,150	...	37,150
Coimbatore.	463	Maintenance allowance to road from Pothanore Railway Station to the foot of Coonoor Ghaut by Metapoliem, 34 miles at 220 rupees per mile	7,480	...	7,480
	464	Do. to do. from do. to Suttiamungalum by Annoor and Poolicmputty, 40 miles at 110 rupees per mile	4,400	...	4,400
	465	Do. to do. from Suttiamungalum to Bhowany by Attany, 34 miles at 110 rupees per mile	3,740	...	3,740
	466	Do. to do. from Attany to Andiyoor, 8 miles at 110 rupees per mile.	880	...	880
	467	Do. to do. from Bhowany to Neringipettanicut, 24 miles at 55 rupees per mile	1,320	...	1,320

Details of Estimate for Repairs for the year 1870-71, etc.—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Coimbatore.—(*Continued.*)	468	Maintenance Allowance to road from Caroor to Errode by Maliampolliem, 40 miles at 55 rupees a mile ...	2,200	...	2,200
	469	Do. to do. from Caroor to Pogalcor, 14 miles at 55 rupees per mile	770	...	770
	470	Do. to do. from Caroor to Vangul, 7 miles at 55 rupees per mile... ...	380	...	380
	471	Do. to do from Caroor to Neroor, 6 miles at 55 rupees per mile... ...	330	...	330
	472	Do. to do. from Caroor to Kannivady by Aravacoorchy, 24 miles at 55 rupees per mile	1,320	...	1,320
	473	Do. to do. from Chinna Dharapoorum to Tennalay, 8 miles at 55 rupees per mile	440	...	440
	474	Do. to do. from Codoomoody to Paramatty, 8 miles at 55 rupees per mile	440	...	440
	475	Do. to do. from Konghiem to Parindooray, 16 miles at 55 rupees per mile	880	...	880
	476	Do. to do. from Dharapoorum to Konghiem, 20 miles at 55 rupees per mile	1,100	...	1,100
	477	Do. to do. from Dharapoorum to Tirpoor by Avanashypolliem, 30 miles at 55 rupees per mile... ...	1,650	...	1,650
	478	Do. to do. from Oodoomulpettah to Tirpoor by Pariaputty and Pulladum, 40 miles at 55 rupees per mile	2,200	...	2,200
	479	Do. to Somanore Railway feeder, 5 miles at 110 rupees per mile ...	550	...	550
	480	Do. to Road from Oodoomulpettah to Caroor by Dharapoorum and Chinna Dharapoorum, 60 miles at 55 rupees per mile.	3,300	...	3,300
	481	Do. to do. from Caroor Railway Station to foot of Coonoor Ghaut, 95 miles at 55 rupees per mile	5,230	...	5,230
	482	Do. to do. from Coimbatore to Konghiem, 42½ miles at 55 rupees per mile	2,330	...	2,330
	483	Do. to do from Sattimungalum to Talavady by Cottamungalum and Guzzlehutty Ghaut, 30 miles at 27½ rupees per mile ...	...	820	820
	484	Do. to do. from Sattiamungalum to Metapoliem by Iroombaray and Siroomoogay, 26 miles at 27½ rupees per mile	...	720	720

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued).

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Coimbatore.—(*Continued.*)	485	Maintenance allowance to road from Sattimunto Goodalore by Caniampolliem and Siroomoogay, 36 miles at 55 rupees per mile.	...	1,980	1,980
	486	Do. to do. from Siroomoogay to Annoor, 10 miles at 27½ rupees per mile	...	270	270
	487	Do. to do. from Avenashy to Iroombaray by Cheyoor and Pooliamputty, 20 miles at 27½ rupees per mile	...	550	550
	488	Do. to do. from Suttimungalum to Parindoray by Seroovaloor, 27 miles at 27½ rupees per mile	...	740	740
	489	Do. to do. from Gopichettypolliem to Cheyoor by Numbyoor, 20 miles at 27½ rupees per mile	...	550	550
	490	Do. to do. from do. to Seroovaloor, 8 miles at 27½ rupees per mile	...	220	220
	491	Do. to do. from Coundapady to Bowany, 8 miles at 27½ rupees per mile	...	220	220
	492	Do. to do. from Caroor to Trichinopoly frontier, 8 miles at 27½ rupees per mile.	...	220	220
	493	Do. to Do. from Caroor to Dindigul frontier by Vellyanay, 12 miles at 27½ rupees per mile. ...	...	330	330
	494	Do. to Do. from Chinna Dhurapooram to Madura frontier by Aravacoorchy, 18 miles at 27½ rupees per mile....	...	500	500
	495	Do. to do. from Aravacoorchy to Madura frontier, 8 miles at 27½ rupees per mile.	...	220	220
	496	Do. to do. from Konghiem to Coodoomoody by Moottoor, 24 miles at 27½ rupees per mile. ...	...	660	660
	497	Do. to do. from Vellacovil to Moottoor, 8 miles at 27½ rupees per mile.	...	220	220
	498	Do. to do. from Dharapoovum to Pulladum, 26 miles at 27½ rupees per mile.	...	710	710
	499	Do. to do. from Pollachy to Pulladum, 32 miles at 27½ rupees per mile.	...	880	880
	500	Do. to Do. from Pollachy to Anamalay Hills, 12 miles at 27½ rupees per mile.	...	330	330
	501	Do. to do. from Oodoomulpettah to Dhully, 10 miles at 27½ rupees per mile.	...	280	280
	502	Do. to do. from do. to Komaralingum, 12 miles at 27½ rupees per mile.	...	330	330

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
Coimbatore.—(*Concluded.*)	503	Maintenance Allowance to road from Coimbatore to Balamputty, 12 miles at 27½ rupees per mile	...	330	330
	504	Do. to do. from do. to ¼Tadacum, 10 miles at 27½ rupees per mile	...	270	270
	505	Do. to do. from do. to Soondacamoottoor, 4 miles at 27½ rupees per mile	...	110	110
	506	Do. to do. from do. to Tondamoottoor, 8 miles at 27½ rupeesper mile	...	220	220
	507	Do. to do. from do. to Nungundapoorum, 4 miles at 27½ rupees per mile	...	110	110
	508	Do. to do. from Chettypolliem to Pothanore, 6 miles at 27½ rupees per mile	...	170	170
	509	Do. to do. from Colligal to Mysore frontier (southern road), 6 miles at 27½ rupees per mile ...	...	160	160
	510	Do. to do. from do. do. (western road), 4 miles at 27½ rupees per mile	...	110	110
	511	Do. to do. from do. to Sivasamoodrum, 8 miles at 27½ rupees per mile	...	220	220
		Total...	40,940	12,450	53,390
Neilgherries.	512	Repairing road from Ootacamund to Coonoor (old road), 10 miles at 110 rupees	1,100	...	1,100
	513	Do. do. from Kartary to Ooty road, 5 miles at 55 rupees	280	...	280
	514	Do. do. do. to Kolacombay falls 5 miles at 55 rupees	280	...	280
	515	Do. do. Kotagherry to Kodanad, 6 miles at 55 rupees	330	...	330
	516	Do. Kotagherry Ghaut road, 14 miles at 110 rupees	1,540	...	1,540
	517	Do. Sesspara Ghaut road	530	...	530
	518	Do. Coonoor to Dolphin's Nose, 5 miles at 55 rupees	280	...	280
	519	Do. do. to Lamb's Rock and Lady Canning's seat, 7 miles at 55 rs. ...	380	....	380
	520	Do. from Coonoor Ghaut to the Hoolicul Plantations on two branches, 10 miles at 55 rupees	550	...	550
	521	Do. the old Coonoor Ghaut road, 9 miles at 110 rupees	990	...	990
	522	Do. do. from Coonoor Ghaut to Kartary, 4 miles at 110 rupees	440	...	440
		Total...	6,700	...	6,700

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

District.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
SALEM.	523	Repairing the road from Salem to the foot of the Shervaroy Hills, 5 miles	...	1,000	1,000
	524	Do. Salem and Womalur road, 10 miles...	...	1,500	1,500
	525	Do. Salem and Senkerry Droog road, 25 miles	...	2,500	2,500
	526	Do. Womalur and Maichairy road, 10 miles	...	1,000	1,000
	527	Do. Ahtur and Masakalipatti, *via* Razipur, 22 miles	...	2,000	2,000
	528	Do. Branch line from Taylor's Saddle to Nagalur, 12 miles	1,000	...	1,000
	529	Do. from Taylor's Saddle to Green Hill's Church, 4 miles	600	...	600
	530	Do. Sooramungalum and Hustumpatti, 3 miles	...	1,000	1,000
	531	Do. Deevatipatti on Trunk Road No. 5, and Ahtur Railway station, 3 mile ...	...	300	300
	532	Do. Cross road about 7 miles between the road from Salem to Coimbatore near Perioor to Attiampatti	...	1,000	1,000
	533	Do. Nungavally to Tharamungalum, 7 miles	...	700	700
	534	Do. from Nagavally to Maichairy road, 6 miles...	...	1,000	1,000
	535	Do. Valapady and Baloor road, 5 miles...	...	500	500
	536	Do. Shevoypett to join the Womalur road, 1½ mile	...	500	500
	537	Do. Gogay to join Trichinopoly road, 1½ mile	...	500	500
	538	Do. Sooramungalum and Tharamungalum road, 10 miles	...	1,000	1,000
	539	Do. Wycoondum and Masekalipatti road, 7 miles...	...	350	350
	540	Do. Usur to Denkincotta, 16 miles ...	...	2,000	2,000
	541	Do. from Usur to Thali, 16 miles	...	2,000	2,000
	542	Do. from Denkincotta to Thali, 10 miles.	...	1,500	1,500
	543	Do. from Kelamungalum to Royacotta, 8 miles...	...	600	600
	544	Do. from do. to Denkincotta, 7 miles	...	700	700
	545	Do. from do. to Attipalli, 12 miles	...	1,200	1,200
	546	Do. from Usur to Admuncottah, 54 miles.	...	5,300	5,300
	547	Do. from do. to Malur, 10 miles	...	750	750
	548	Do. from Denkincotta to Melagiri Hills, 9 miles...	...	900	900
	549	Do. from Darumpury to Pennagaram, 18 miles	...	1,350	1,350
	550	Do. from do. to Kistnagiri, 14 miles	...	1,050	1,050
	551	Do. from do. to Palcode, 4 miles.	...	600	600

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

District.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
SALEM—(Continued.)	552	Repairing the road from Palcode to Marandahully, 6 miles	...	600	600
	553	Do. from do. to Morapur, *via* Karimungalum, 10 miles	...	1,500	1,500
	554	Do. from Paparapatti to Pennager, 12 miles	...	2,400	2,400
	555	Do. from Palcode to Paparapatti, 7 miles.	...	550	500
	556	Do. from do. to Morapur Railway station, 17 miles...	...	2,550	2,550
	557	Do. from Kistnagiri to Darampury, 13 miles	...	980	980
	558	Do. from do to Samulputti, 24 miles.	...	2,400	2,400
	559	Do. from do. to Royacottah, 17 17 miles	...	1,280	1,280
	560	Do. from Royacottah to Kelamungalum, 7 miles...	...	540	540
	561	Do. from Kistnagiri Traveller's Bungalow to the Trunk Road No. I. leading to Tripatur, 4 miles	...	400	400
	562	Do. from Kaveripatnum to Mattoor up to the limits of Cunnadapalli village, 11 miles	...	1,100	1,100
	563	Do. from Burgoor to Mallapady leading to Tripatoor, 6 miles	...	600	600
	564	Do. from Kavaripatnam to Mattoor, 11 miles	...	1,100	1,100
	565	Do. from Tripatur and Alangayem road, and 7 miles beyond Kalapara pass, 20 miles	...	3,600	3,600
	566	Do. from Tripatur and Singarapett road, 17 miles	...	1,600	1,600
	567	Do. from Alangayem to Vaniembady, *via* Nummiempett and Valiampett, 12 miles	...	1,000	1,000
	568	Do. from Tripatoor to Mallapady, 13 miles	...	1,500	1,500
	569	Do. from Uttengiri, *via* Samulputti to the boundary of Uttengiri Talook, 6 miles	...	300	300
	570	Do. from Jendamadoo to Yeroomuttoor, 14 miles	...	1,400	1,400
	571	Do. from Muttoor to Natrumpalli, 26 miles	...	1,250	1,250
	572	Do. from Tripatoor to Salem, *via* Munjavadi pass, 70 miles	...	3,500	3,500
	573	Do. from Kammanellore to Morapoor, 8 miles	...	800	800
	574	Do. from Morapur towards Darampury to where it joins the old Makanoor pass road, 8 miles	...	1,200	1,200
	575	Do. from Makanoor pass, *via* Chintalapadi and Peddore to Harroor, 18 miles	...	1,500	1,500

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

District.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
SALEM.—(Continued.)	576	Repairing the road from Harroor to Morapur, 8 miles...	...	1,200	1,200
	577	Do. do. to Theerthamalay, 8 miles	...	800	800
	578	Do. from Theerthamalay to Hanoomatheerthum, 8 miles	...	500	500
	579	Do. Do. to Kottapatti, 15 miles	...	1,500	1,500
	580	Do. from Tripatoor to Singarapett, 10 miles	...	1,000	1,000
	581	Do. from Tippamahully to Kamma Nellore, 4 miles	...	400	400
	582	Do. Branch from the Tripatoor and Vaniembady road to the Tripatoor and Alangayem road, 4 miles	...	400	400
	583	Do. from Namakul and Thathiengarpett road, 21 miles	...	1,500	1,500
	584	Do. from Mohanoor and Valoor road, 10 miles	...	500	500
	585	Do. from Namakul and Mohanoor road, 11 miles	...	800	800
	586	Do. from Valayapatti and Mohanoor road, 8 miles...	...	600	600
	587	Do. from Namakul and Paramutty road, 11 miles	...	600	600
	588	Do. from Valoor and Paramutty road, 4 miles	...	400	400
	589	Do. from Valoor and Jedarpoliem road, 12 miles	...	600	600
	590	Do. from Jedarpoliem and Chittalundoor road, 14 miles	...	700	700
	591	Do. from Paramutty and Trichengode road, 12 miles	...	1,000	1,000
	592	Do. from Namakul and Trichengode road, 7 miles...	...	500	500
	593	Do. from Namakul and Kollimalay Hills, *via* Sendamungalum, 10 miles	...	500	500
	594	Do. from Nynamalay and Yeroomapatti road, 16 miles	...	800	800
	595	Do. from Trichengode and Shenkagiri Droog road, 7 miles...	...	700	700
	596	Do. from Shenkagiri and Pullipoliem road, 12 miles	..	600	600
	597	Do. from Shenkagiri and Yedapady road, 9 miles...	...	600	600
	598	Do. from Yadapady and Poolicmputty road, 6 miles	...	300	300
	599	Do. from Trichengode and Kalipatty road, 12 miles	...	600	600
	600	Do. from Komaramungalum and Aundagalur, 16 miles	...	800	800
	601	Do. from Trichengode and Namakul road, 14 miles	...	700	700
	602	Do. from Trichengode and Paramutty road, 6 miles	...	300	300

Details of Estimate for Repairs *for the year* 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	Rs.	Rs.	Rs.
SALEM.—(Concluded)	603	Repairing the road from Poothoor to Minnampalli road, 7 miles	...	350	350
	604	Petty repairs	...	2,100	2,100
		Total...	1,600	87,800	89,400
SOUTH CANARA.	605	Repairing the Coast road from Mangalore including branch road to Sheddia, 140 miles...	...	3,000	3,000
	606	Do. do. Beltangadi Nagur and Mallody 14 miles	...	560	560
	607	Do. do. Hebri and Kokarne, 12 miles...	...	480	480
	608	Do. do. Karkal and Padbidri, 18 miles...	...	600	600
	609	Do. do. Mulki and Mudbidri, 18 miles.	...	900	900
	610	Do. do. Kundapur and Haladi, 15 miles.	...	380	380
	611	Do. do. Mudradi by Hebri to Surahebbarana Katta, 9 miles ...	...	450	450
	612	Do. do. Karkal to Heriadka, 15 miles...	750	...	750
	613	Do. do. Beltangadi and Puttur, 20 miles.	1,100	...	1,100
	614	Do. do. Bantwal and Mudbidri, 15 miles.	820	...	820
	615	Do. do. Beltangadi and Mudbidri, 18 miles	990	...	990
	616	Do. do. Jalsur and Kasargode, 30 miles.	1,650	...	1,650
	617	Do. do. Puttur to Manjeshwar by Vitla, 24 miles	1,320	...	1,320
	618	Petty Repairs	...	500	500
		Total...	6,630	6,870	13,500
MALABAR.	619	Maintenance to the road from Kavai *via* Madai to Beliapatam, 18 miles at 55 rupees per mile, (District Road No. 1)	...	990	990
	620	Do. from Kavai, Nedanad and Kandamungalum to Taliperamba, 14 miles at 55 rupees per mile (District Road No. 2)	770	...	770
	621	Do. from Cannanore Cantonment to Kakat.	490	...	490
	622	Do. from Cherikal *via* Irkur to Coorg, 40 miles at 55 rupees per mile (District Road No. 9)...	2,200	...	2,200
	623	Do. from Kirur, Peruparamba to Nedumboya on Peria road, 14 miles at 55 rupees per do. (District Road No. 11)	770	...	770
	624	Do. from Irkur to Chalot, 6 miles at 55 rupees per mile (District Road No. 13)	330	...	333
	625	Do. from Tellicherry to Chalot, 14 miles at 55 rupees per mile (District Road No. 17)	770	...	770
	626	Do. from Koteyom *via* Panur to Perinkolam, 9 miles at 55 rupees per mile (District Road No. 18)	...	500	500
	627	Do. from Kadirur to Panur, 5 miles at 55 rupees per mile (District Road No. 19).	270	...	270

Details of Estimate for Repairs *for the year* 1870-71, *etc.*—(Continued)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	RS.	RS.	RS.
MALABAR.—(*Continued.*)	628	Maintenance to the road from Coast road south of Tellicherry to Perinkolum, 12 miles at 55 rupees per mile (District Road No. 20)	...	660	660
	629	Do. from Periakolum to Nadapuram, 8 miles at 55 rupees per mile (District Road No. 21)	440	...	440
	630	Do. from coast road 1¼ miles north of Badagara *via* Nadapuram, Kuttipuram to Kuttiady, 19 miles at 55 rupees per mile (District Road No. 22).	1,040	...	1,040
	631	Do. from Neduvahur *via* Pyoli to Coast road, 11 miles at 55 rupees per mile (District Road No. 23.)	600	...	600
	632	Do. from Quilandi *via* Ulleri to Tambercheri, 20 miles at 55 rupees per mile (District Road No. 24)	...	1,100	1,100
	633	Do. from Ulleri *via* Neduvanur to Kuttiady, 18 miles at 55 rupees per mile (District Road No. 25)	990	...	990
	634	Do. from Calicut *via* Chevayur to Muprow, 18 miles at 55 rupees per mile (District Road No. 31)	990	...	990
	635	Do. from Calicut (Karaparamba) *via* Kokotri bridge to Kokalur Amshom, 16 miles at 55 rupees per mile (District Road No. 30)	880	...	880
	636	Do. from do. *via* Urkadava to Arekod 20 miles at 55 rupees per mile (District Road No. 32)	...	1,100	1,100
	637	Do. from Makot (10 miles Calicut to Tambercherry road) by Chettakadava to Teruvembadi, 10 miles at 55 rupees per mile (District Road No. 32A)	...	550	550
	638	Do. from Tambercheri to Areakod, 16 miles at 55 Rupees per mile (District Road No. 34)	880	...	880
	639	Do. from Manjeri to Mangoth at the 22nd mile on Maliapuram to Calicut, 8 miles at 55 rupees per mile (District Road No. 35)	...	440	440
	640	Do. from do. to Areakod, 12 miles at 55 rupees per mile (District Road No. 36...	...	660	660
	641	Do. from do. to Wandur, 5 miles at 55 Rupees per mile (District Road No. 37)	270	...	270
	642	Do. from do. *via* Pandikod and Melatur to 2 miles west of Manar on the Mundur road, 10 miles at 55 rupees per miles (District Road No. 38.) ...	550	...	550
	643	Do. from Edawana *via* Wandur to Sholakul, 20 miles at 55 rupees per mile (District Road No. 39)	...	1,100	1,100

Details of Estimate for Repairs *for the year* 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Continued.)	RS.	RS.	RS.
MALABAR.—(*Continued.*)	644	Maintenance to road from Cholakal to Seispara, 8 miles at 55 rupees per mile (District Road No. 40)	...	440	440
	645	Do. from Tirurangadi to Maliapurum, 12 miles at 55 rupees per mile (District Road No. 45)	...	660	660
	646	Do. from Manjeri and Maliapurum road *via* Anakayam to Angadipuram road, 10 miles at 55 rupees per mile (District Road No. 38A)	...	550	550
	647	Do. from Wandur *via* Pandikad to Angadipuram, 18 miles at 55 rupees per mile (District Road No. 41A)	990	...	990
	648	Do. from Angadipuram to Cherpulcherry, 10 miles at 55 rupees per mile (District Road No. 46)	550	...	550
	649	Do. from do. to Patambi Railway Station, 15 miles at 55 rupees per mile (District Road No. 46A)	...	120	820
	650	Do. from Patambi to Palghaut, 34 miles at 55 Rs. a mile (District RoadNo. 46B).	1,870	...	1,870
	651	Do. from Cherpulcherri to Wotapalam Railway Station, 11 miles at 55 rupees a mile (District Road No. 47A)...	...	600	600
	652	Do. from Beypoor *via* Betutpudiangady to Tirtala, 40 miles at 55 rupees per mile (District Road) No. 48)	...	2,200	2,200
	653	Do. from Tanur to Tiruvengapuram, 16 miles at 55 rupees per mile (District Road No. 48B)	880	...	880
	654	Do. from Tirur Railway Station *via* Vetutpudiangadi to Panani, 10 miles at 55 rupees per mile (District Road No. 49A)	...	550	550
	655	Do. from Kutnad to Patambi, 8 miles at 55 rupees per mile (District Road No. 49B)	...	440	440
	656	Do. from Cherpulcheri *via* Kongad to Wandur, 19 miles at 55 rupees per mile (District Road No. 51)	1,050	...	1,050
	657	Do. from Palghaut *via* Alatur and Wadakanjeri to Waniempara, 30 miles at 55 rupees per mile (District Road No. 57)	...	1,650	1,650
	658	Do. from do. *via* Ellapulli to Eratakolam, 8 miles at 55 rupees per mile (District Road, No. 58)	440	...	440
	659	Do. from Tirtala *via* Kutnad to Chowghat, 13 miles at 55 rupees per mile (District Road, No. 66)	...	700	700
	660	Do. from Kolengode to Alatur, 12 miles at 55 rupees per mile (District Road No. 62)	660	...	660

Details of Estimate for Repairs for the year 1870-71, *etc.*—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Communications.—(Concluded.)	Rs.	Rs.	Rs.
Malabar.—(*Concluded.*)	661	Maintenance to the road from Ponani to Madilagom, 32 miles at 55 rupees per mile (District Road No. 68)	1,760	...	1,760
	662	Do. from Chowghat to Enamakal, 7 miles at 55 rupees per mile (District Road No. 69)	380	...	380
	663	Additional maintenance to the road from Beliapatam to Beypore (Imperial Road No. XX.) 70 miles at 110 rupees per mile	7,700	...	7,700
	664	Do. to the road from Cannanore to Coorg, (Imperial road No. XXIII.) 34 miles at 110 Rupees per mile	3,740	...	3,740
	665	Do. to the branch road from Imperial Road No. XXIII. to Tellicherry, 16 miles at 110 rupees per mile (Imperial Road No. XXII.)	1,760	...	1,760
	666	Petty repairs	...	2,880	2,880
		Total...	34,020	18,590	52,610
Wynaad Division.	667	Repairing the road from Teriot to Kalpetta, 6 miles at 55 rupees per mile, (District Road No. 26)	...	330	330
	668	Do. from Chalipoya *via* Mupynad to Karkur Ghaut road, 43 miles at 55 rupees per mile, (District Road No. 27)	...	2,360	2,360
	669	Do. from Sultan's Battery *via* Nellialom to District Road No. 27, 25 miles at 55 rupees per mile, (District Road No. 28)	...	1,370	1,370
	670	Maintenance to the Peria, Tambercheri, and Karkur ghauts...	5,400	...	5,400
		Total...	5,400	4,060	9,460
		Total Communications...	6,45,210	1,76,780	8,21,990
		Miscellaneous Public Improvements.			
Ganjam.	671	Repairs of Ferry boats	500	...	500
Godavery.	672	Grants-in-aid of local contributions for Public Works	...	6,000	6,000
	673	Repairs of Ferry boats	...	200	200
	674	Maintaining Avenues	5,000	...	5,000
Cuddapah.	675	Do. do.	...	2,000	2,000

Details of Estimate for Repairs for the year 1870-71.—(Continued.)

Districts.	No.	Description of work.	Amount proposed for expenditure. By Public Works Department.	By Revenue Department.	Total.
		Miscellaneous Public Improvements.—(Concluded.)	Rs.	Rs.	Rs.
Bellary.	676	Avenue Establishment	...	2,800	2,800
	677	Grants-in-aid for repairing wells	...	1,200	1,200
Kurnool.	678	Clearing jungles on the Nandikanama Ghaut...	...	1,800	1,800
	679	Maintaining Avenues	...	2,000	2,000
Madras.	680	Do. do.	...	1,900	1,900
	681	Repairs of Ferry boats	...	100	100
Madura.	682	Maintaining Avenues	...	2,000	2,000
Tinnevelly.	683	Do. do.	...	1,590	1,590
Coimbatore.	684	Repairing Chuttrums, Public wells and Toll houses	1,500	2,000	3,500
South Canara.	685	Repairs of Ferry sheds	...	200	200
	686	Do. do. platforms	...	100	100
	687	Repairs of Toll houses	...	20	20
	688	Maintaining Avenues	...	1,500	1,500
	689	Sundry Items	...	150	150
Neilgherries.	690	For clearing Ootacamund Lake	...	350	350
		Total Miscellaneous Public Improvements...	7,000	25,910	32,910
		Grand Total...	6,52,210	2,02,690	8,54,900

Revenue Board Office,
Madras,
2nd December 1869.

(Signed) J. GROSE,
Sub-Secretary.

uring 1870-71.

	District	Number of Establishments	Tools and Plant.		Contingent charges.		Cost of Public Works supervision at 10 per cent.	Reserve at 10 per cent. on the estimated receipts.	Total.	Balance.
			Public Works Department.	Revenue Department.	Public Works Department.	Revenue Department.				
1			21	22	23	24	25	26	27	28
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1	Ganjam ...	30	720	...	200	50	7,090	8,030	96,920	...
2	Vizagapatam	30	900	...	200	50	8,900	10,180	1,16,520	...
3	Godavery ...	30	2,860	60	200	50	28,650	24,600	3,63,820	450
4	Kistna ...	30	1,260	...	200	50	12,550	17,260	1,71,650	950
5	Nellore ...	30	700	...	200	50	7,010	9,030	93,630	1,720
6	Cuddapah ...	30	700	...	200	50	6,960	9,560	95,580	20
7	Bellary ...	30	930	50	200	50	9,260	12,960	1,29,500	100
8	Kurnool ...	30	1,380	120	200	50	13,780	9,300	1,80,210	890
9	Madras ...	30	490	20	200	50	4,860	6,960	69,250	430
10	North Arcot	30	1,080	20	200	50	10,830	14,200	1,45,580	420
11	South Arcot	30	840	...	200	50	8,390	11,000	1,09,830	170
12	Tanjore ...	30	2,280	200	200	50	22,760	23,000	3,06,310	90
13	Trichinopoly	30	520	20	200	50	4,740	7,350	73,770	...
14	Madura ...	30	70	640	200	50	680	14,500	92,540	87,510
15	Tinnevelly...	30	1,020	...	200	50	10,220	14,000	1,38,970	1,700
16	Coimbatore	30	750	160	200	50	7,460	11,040	1,16,110	990
17	Salem... ...	10	20	910	200	50	160	11,810	1,19,650	10,220
18	South Canara ...	10	310	100	200	50	3,040	5,650	56,500	...
19	Malabar ...	30	920	230	200	2,850	7,910	16,360	1,48,700	940
	Do. Wynaad Div	30	50	50	50	...	...	...	14,010	
20	Neilgherries	10	70	...	50	10	770	1,190	11,900	...
	T	560	17,870	2,580	3,900	3,760	1,76,020	2,37,980	26,50,950	1,06,600

REVENU
Madras, 2n

(Signed) J. GROSE,
Sub-Secretary.

No. 2.

t of several Local Funds other than the District Road Fund in the several Districts of the Madras Presidency during 1870-71.

ND FUND.			PUBLIC BUNGALOW FUND.						ENDOWMENT FUND.					NANUL GRASS FUND.				
al.	Estimated charges.	Balance.	Balance expected at the beginning of the year.	Receipts estimated to be realized during the year.	Grant-in-aid from Government.	Total.	Estimated charges.	Balance.	Balance expected at the beginning of the year.	Receipts estimated to be realized during the year.	Total.	Estimated charges.	Balance.	Balance expected at the beginning of the year.	Receipts estimated to be realized during the year.	Total.	Estimated charges.	Balance.
)	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27
,	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.	RS.
50	2,200	50	460	1,210	630	2,300	1,560	740	...	...	...	...	...	...	...	...	...	...
80	5,500	80	1,880	810	460	3,150	1,520	1,630	...	...	...	...	...	...	...	...	...	...
50	3,500	10,150	370	800	270	1,440	1,000	440	9,080	4,200	13,280	2,900	10,380	...	...	...	...	...
90	10,710	11,450	...	1,730	530	2,260	1,700	560	330	200	530	250	280	13,030	4,000	17,030	13,300	3,730
00	15,500	4,000	1,300	2,550	750	4,600	2,300	2,300	150	2,940	3,090	2,940	150	...	...	...	...	...
40	1,350	4,090	1,790	620	410	2,820	270	2,550	...	...	...	...	...	...	...	...	...	...
00	1,950	2,250	770	2,380	860	4,010	2,360	1,650	3,730	2,580	6,310	1,190	5,120	...	...	...	...	...
00	1,000	11,000	150	430	80	660	460	200	...	360	360	360	...	...	...	...	...	...
00	3,550	250	1,500	720	420	2,640	760	1,880	100	70	170	70	100	50	...	50	...	50
50	3,600	3,050	...	330	340	670	240	430	...	10,920	10,920	10,920	...	...	...	...	...	...
80	6,490	1,890	2,040	1,230	720	3,990	3,210	780	250	1,250	1,500	1,380	120	...	...	...	...	...
00	11,000	12,000	250	860	160	1,270	660	610	83,650	1,45,000	2,28,650	1,81,150	47,500	3,300	1,500	4,800	3,300	1,500
70	6,200	970	640	420	160	1,220	800	420	2,250	2,100	4,350	4,200	150	4,670	2,100	6,770	3,100	3,670
00	5,000	7,400	200	640	140	980	790	190	8,500	17,220	25,720	20,300	5,420	300	120	420	100	320
00	7,500	3,600	780	1,350	130	2,270	1,770	500	13,850	8,450	22,300	16,500	5,800	2,830	2,120	4,950	3,000	1,950
30	6,530	1,000	100	1,850	850	2,800	1,850	950	3,070	6,300	9,370	6,410	2,960	460	300	760	500	260
80	3,500	2,080	3,950	1,300	1,020	6,270	500	5,770	240	...	240	...	240	...	...	...	...	...
00	650	250	30	800	470	1,300	800	500	...	...	...	...	...	...	...	...	...	...
50	2,500	...	...	3,800	1,000	4,800	3,800	1,000	...	200	200	200	...	...	...	...	...	...
20	520	...	380	850	510	1,740	1,000	740	...	490	490	490	...	...	...	...	...	...
40	98,780	75,560	16,600	24,680	10,000	51,280	27,350	23,930	1,25,200	2,02,280	3,27,480	2,49,260	78,220	24,640	10,140	34,780	23,300	11,480
50	10,000	9,850																
50	500	1,250																
70	7,370	17,300																
00	39,510	690																

(Signed) J. GROSE,
Sub-Secretary.

Abstract Statement of Receipts and Charges estimated on acc

Districts.	JUNGLE CONSERVANCY FUND.					CATTLE	
	Balance expended at the beginning of the year.	Receipts estimated to be realized during the year.	Total.	Estimated charges.	Balance.	Balance expended at the beginning of the year.	Receipts estimated to be realized during the year.
1	2	3	4	5	6	7	8
	RS.	RS.	RS.	RS.	RS.	RS.	RS.
1. Ganjam	890	520	1,410	100	1,310	100	2,150
2. Vizagapatam	3,420	2,000	5,420	3,000	2,420	780	4,800
3. Godavery	2,420	1,500	3,920	2,450	1,470	10,550	3,100
4. Kistnah	4,590	12,100	16,690	16,480	210	14,190	8,000
5. Nellore	30,000	14,000	44,000	43,200	800	1,500	18,000
6. Cuddapah...	7,770	5,500	13,270	3,270	10,000	4,740	700
7. Bellary	...	3,450	3,450	3,450	...	3,150	1,050
8. Kurnool	6,000	4,000	10,000	7,000	3,000	2,000	10,000
9. Madras	5,550	1,600	7,150	5,040	2,110	1,000	2,800
10. North Arcot	...	13,200	13,200	12,400	800	5,000	1,650
11. South Arcot	6,710	6,300	13,010	11,480	1,530	1,780	6,600
12. Tanjore	7,000	1,400	8,400	3,100	5,300	...	23,000
13. Trichinopoly	1,360	3,520	4,880	4,880	...	2,160	5,010
14. Madura	2,300	5,100	7,400	7,400	...	8,400	4,000
15. Tinnevelly	100	050	10,150	10,000	150	1,680	9,420
16. Coimbatore	480	0	1,480	1,200	280	2,030	5,500
17. Salem	27,240		57,240	47,700	9,540	2,080	3,500
18. South Canara	960	50	2,960	2,000	960	500	400
19. Malabar	...		...	...	...	...	2,500
20. Neilgherries	...	000	5,000	5,000	...	...	520
Total...	1,06,790	1 240	2,29,030	1,89,150	39,880	61,640	1,12,700
Irrigation Cess Fund in Trichinopoly.						9,750	10,100
Do. do. in Madura						950	800
Do. do. in Coimbatore.						16,000	8,670
Cochrane's and Sadras Canal Fundin Madras.						...	40,200

REVENUE BOARD OFFICE,
Madras 2nd December 1869.

Rev 2953/70
Revenue Circular No 43

No. 5,800.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 20th September 1870.

Read the following replies from Collectors to the Proceedings of the Board of Revenue, dated 28th October 1869, No. 8,009:—

From the Collector of Ganjam, dated 18th February 1870, No. 161, recorded in Board's Proceedings, dated 25th March 1870, No. 1,970.

,,	Ag: Principal Asst. Collr. in charge of Vizagapatam,	,,	20th January 1870, No.	54.
,,	Collector of the Godavery District,	,,	13th November 1869, ,,	298.
,,	Offig. Collr. of the Kistna District.	,,	7th December ,, ,,	370.
,,	Acting Collector of Nellore,	,,	10th November ,, ,,	2,119
,,	,, ,, of Bellary,	,,	17th ,, ,, ,,	281.
,,	Collector of Cuddapah,	,,	27th ,, ,, ,,	195.
,,	,, Kurnool,	,,	11th February 1870, ,,	48,
	recorded in Board's Proceedings,	,,	28th February ,, ,,	1,103.
,,	Acting Collector of Madras,	,,	10th March ,, ,,	70.
,,	Collector of Salem,	,,	12th April ,, ,,	66.
,,	,, North Arcot,	,,	29th March ,, ,,	106.
,,	,, South Arcot,	,,	8th November 1869, ,,	258,
	recorded in Board's Proceedings,	,,	16th ,, ,, ,,	8,469.
,,	Collector of Tanjore,	,,	18th ,, ,, ,,	252.
,,	,, Trichinopoly,	,,	4th December ,, ,,	299.
,,	Officiating Collector of Madura,	,,	15th February ,, ,,	43.
,,	Acting ,, Tinnevelly,	,,	11th February ,, ,,	58,
	recorded in Board's Proceedings,	,,	26th February ,, ,,	1,347.
,,	Acting Collector of Coimbatore,	,,	9th May 1870, ,,	104.
,,	Commissioner of Neilgherries,	,,	3rd December 1869, ,,	176.
,,	Officiating Collector of South Canara,	,,	22nd April 1870, ,,	510A.
,,	,, ,, Malabar,	,,	13th December 1869, ,,	335,
	recorded in Board's Proceedings,	,,	26th January 1870, ,,	566.
,,	Officiating Collector of Malabar,	,,	18th February ,, ,,	71.

THESE papers will be recorded for the present until a machine to prepare the fibre of the Rhea grass has been invented. Without this it is apparently impossible to grow it with any chance of profit; but there is no doubt it will grow luxuriantly on all the hills in the Presidency and (apparently) in the plains; at any rate in Coimbatore and the districts on the Western Coast.

2. The Board observe that Mr. McIvor says the common Neilgherry Nettle yields a fibre superior to that of the Rhea grass. The Honorary Secretary to the Horticultural Society will be requested to favour the Board with his opinion on this point.

(A true Extract.)

J. B. Pennington
Acting Sub-Secretary.

To the Honorary Secretary Horticultural Society.

Copy to the Acting Secretary to Government, Revenue Department, with a file of Collectors' replies.

,, to all Collectors.

Exd. F. R. Bantleman.

Revenue 1870. West

Board of Revenue,

MADRAS. No. 2983

PROCEEDINGS, 20TH SEPTEMBER 1870, No. 5,800.

Despg Letter to Govt

Encl.

Received 30th Septr

SEPTEMBER.

No. 5,809.

Rhea or China grass.—Replies of Collectors to Board's Proceedings, inquiring whether cultivation of, is carried on in their districts, and if not, whether people would undertake it, recorded, until machine to prepare fibre of this grass has been invented.—Honorary Secretary, Madras Agri-Horticultural Society, requested to submit his opinion as to whether fibre yielded by Neilgherry Nettle is superior to that of Rhea grass, as stated by Superintendent of Government Botanical Gardens at Ootacamund.

Recorded

M.R.O. 1—33,600—16-10-20.

MADRAS RECORD OFFICE.

Government of Madras.

Revenue **DEPARTMENT.**

G.O. No. 1654 Press / Mis.

316-12
Dated 28-10-1920 Rq.

Not to be folded or roughly handled