GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 20th August 1886, No. 1232 G.D.

I regret to have to report that last night, a few minutes after 8 o'clock, the whole of the river (outer) wall of the Dowlaishweram lock (old portion) fell bodily, inwards of course, carrying with it the gates, upper and intermediate.*

* Old *lower* ones.

2. The river at the time was about 14·5,† and of course there was a mighty rush of water into the lower chamber (the prolongation of former lock) which it overtopped by some 4 feet, but it resisted the pressure and violence of the water for about 2 hours, when its outer (canal) side wall toppled over taking with it the gates.

† I had read it at 7 P.M. 14·2.

3. The overpour from the river to canal level, which had till then been divided into two portions, was of course at once concentrated to the opening between the abutments of the bridge, the right abutment of which is also the left abutment of the head-sluices.

4. The head-sluices were closed immediately after the accident occurred, and expresses were at once sent off to open all escapes, and the water in the canal has not been above 10 feet, *i.e.*, 2 feet above F.S.L.

5. The river has continued rising till now (noon) it is 16·2 above crest of anicut, or almost 1 foot above any previously recorded flood, and it is still rising.

6. I have carefully considered the subject, and I believe that nothing can be done now to stop the water flowing where it does; nothing thrown in at the place could possibly remain, as you may imagine, where there is a rush through due to 14 feet difference of level; and to attempt to sink boats at the place would almost certainly result in heavy striking against the abutment of the head-sluices, which it is of the utmost importance to keep from injury; were a stone dam to be attempted in front of the sluices from, say, the "nose" between head and under sluices to the turn in the river wall, the result would inevitably be a scour-hole of great depth from the overpour which would endanger the head-sluices, whilst where the water is now pouring through there is, at the place and for some distance beyond, a masonry floor, and on this depends the safety of the head-sluices. Should they go, then I am sure the proper course is a stone dam across the canal, as was done in the case of the central delta head-sluice destruction, and I have selected the site for such a dam near the Kadiem temple, about 2 miles $5\frac{3}{4}$ furlongs down the canal, because there is there a *hard laterite bottom to the canal*, which is of the greatest importance in the construction of such dam, both as regards time and cost, and Mr. Eve will at once commence the collection of stone at the place. Of course the Bank canal would also have to be bunded, or, perhaps, made use of as a relief by making a cut from it back into the river about 2 miles down.

7. I sent a telegram to the office here for you at about 7-30 this morning, copy of which I enclose; but it appears Rajahmundry could not receive it from this office till 9-50 A.M.

No. 115 I.

Submitted for the information of Government.

2. The wall which gave way, part of the original work, was a weak point; but it had stood a higher fresh than 14·2 feet on the crest of anicut, at which it has failed.

3. The action of the Superintending Engineer is entirely approved.

Ootacamund,
27th August 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

Order—dated 1st September 1886, No. 591 I., Public Works.

The Government regret to hear of this accident, which must have a serious effect on the canal traffic in the Godávari delta.

2. The Superintending Engineer should submit proposals for re-opening navigation as early as possible; meanwhile, further reports of the effects of this extraordinary flood will be awaited.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Revenue Department.
" Newspapers.

Exd. E. Fernandez.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated September, 1st.

Recd. *Encl.*

G.O., 1st Sept. 1886, No. 591 I.

SEPTEMBER.

Dowlaishweram Lock

Orders on report of an accident to the — caused by the flood in the Godávari.

8/9/86

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following letter from G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 23rd August 1886, No. 1246 G.D. :—

In continuation of my No. 1232, of 20th instant, I have the honor to report that the river continued to rise till it reached the maximum of 16·9 * over the anicut (1·65 higher than the previously recorded maximum of 1861) at 5 A.M. on 21st instant; it then commenced to fall slowly, being 16·5 at 10 that night, and 16 at 6 A.M. on the morning of 22nd. By 6 P.M. last night it had come down to the maximum of 1861 (15·25 over anicut), and now (8 A.M.) is down to 14·6 over anicut.

* M.S.L. + 54·9

M.S.L + 53·25

2. At the head works here matters have remained much as was reported in my previous letter, but on morning of 21st instant the river bank breached in the last furlong of the 5th mile, and when I saw it at about 10 o'clock on that day it was approximately 250 yards long.

3. The whole country near the breach was under water, and it was impossible to get any earth whatever with which to attempt to close it. I have every belief, however, that we shall be able to close it when the river goes down another 2 or 3 feet.

4. The water that has poured in through this breach has, of course, overfilled the canals. There are between 13 feet and 14 feet in main canal at Dowlaishweram, and, of course, put a large extent of country under water.

5. As reported in my telegram of yesterday, the large out-fall sluice † in the river bank about 5 miles above Rajahmundry is reported to be destroyed, and the river, of course, has flowed in there and swamped much country and put parts of Rajahmundry under water.

† "Thorrigedda."

6 From western and central delta I have not heard of any damage beyond breaches in banks.

7. We are collecting stone as fast as possible, under great difficulties, and making other arrangements ready for the stone dam at Kadiem, if it should prove necessary; but I have now great hopes that the head-sluices will not fail, and that with a great crate, which I am now making in the workshops, we may be able to close the gap where the lock was (between the abutments of the bridge), in which case regulation at the head works will be carried on as before, though navigation will, of course, be impossible to and from the river.

8. So far, no damage of any consequence would have occurred to the canals and delta generally from the destruction of the lock; it is owing to the breach in the river bank that the country is flooded.

9. I would mention that, besides the assistance which I am, as a matter of course, receiving from Mr. Eve and the rest of the staff, Mr. Vanstavern, having most kindly volunteered to do anything that I wished, has been giving great help in numerous ways and working downright hard. I feel much obliged to him.

No. 117 I.

Submitted for the information of Government, in continuation of this office endorsement, No. 115 I., dated 27th August 1886.

OOTACAMUND,
31st August 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

ORDER—dated 6th September 1886, No. 605 I., Public Works.

Recorded, with reference to G.O., No. 591 I., dated 1st September 1886.

2. The thanks of Government are due to Mr. Vanstavern for the assistance given by him to the Superintending Engineer.

3. Further report from the Superintending Engineer will be awaited.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Revenue Department.
" Newspapers.

Exd. E. Fernandez.
Spare Copies

IRRIGATION.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated September, 6th.

Recd. *Encl.*

G.O., 6th Sept. 1886, No. 605 I.

SEPTEMBER.

Flood in the Godavari

Orders on a further report from Superintending Engineer, I Circle, on the — and the damages caused by it.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 26th August 1886, No. 1265 G.D.

In continuation of my No. 1246, dated 23rd instant, I have the honor to inform you that the river has continued to fall till it is, this morning, only 6·4 above crest.

2. At the head works here the damage has not extended, and water is now being admitted through the head-sluices to keep the water in the canal up to F.S.L., and form a cushion on the floor where the overfall takes place.

3. The arrangements for closing the gap are nearly complete; they have involved the making and getting up of two sets of large sheers from which to lower the crate and much other work connected with tackle, which Mr. Vanstavern undertook the management of from the first, and has been unremitting in his attention to.

4. The river has, of course, ceased to flow into the numerous breaches in the river banks; and every effort will be made to ring-bund them ready for another considerable fresh, which, of course, we are likely to have within the next month.

5. The Eastern division will, I believe, be found to have sustained comparatively little damage; and I have no doubt that, in a few days, irrigation will be carried on much as usual, whilst navigation along the main lines will also be re-established.

6. In the Central and Western divisions, I fear that matters are much more serious. In the former of these the river broke in in many places, the worst being in the Gunnaram canal, where the river bank pitched into the canal, and Mr. Jopp, who managed to get in a small row boat across country from Gunnaram to Pallivella, and thence up to the head, getting there yesterday, describes the whole face of the country as under water except some parts of the higher villages and river and canal banks, where the people from the submerged villages have taken refuge. The Collector is now arranging to send food down, and we are doing our best to assist in the work.

7. The catastrophe is on so large a scale and so overwhelming in the *Central delta*, that it has been quite impossible to yet do anything to deal with the damage; but I have explained to Mr. Jopp the lines on which he must work, the chief being the exclusion of next river floods and the supply of water to any still undestroyed crops, and he will, I know, do all that can be done.

8. As regards the Western division, the information is most meagre; but the main facts are that the Godávari, on the 20th, broke through its right embankment at just above Polaram, where the embankment ended at an outfall sluice, and also at about 3 miles below Polaram, where also there was an outfall sluice, and poured a vast quantity of water down the valley of the Rallekalwa,* which swept across the main canal between Vizeswaram and Chettipett and rushed down the canals.

* Comes into the system of canals near Nídadavole.

9. On 22nd, at noon, I was over at Vizeswaram and found that communication by canal with Chettipett was cut off, and about 2 P.M. received the first real

information from the division in the shape of a short note from Mr. Paul, dated and despatched at 6 A.M. of the previous day, saying that the water was up "three steps" on the Chettipett bungalow, and asking for the *Arthur Cotton* to "save lives." Of course, I sent her at once, and, with difficulty, owing to the great rush of the river waters across the canal, she got to Chettipett that evening.

10. I heard no more from that division till yesterday evening, but then * got a note from Mr. Paul (copy of which I enclose) written at 6-30 P.M. on the evening of the 23rd. Mr. Paul is now doubtless using the *Arthur Cotton* as he proposed.

* It arrived at 10 A.M., but I was up the river seeing about the breach in the flood embankment.

11. I telegraphed on morning of 20th for Mr. Knowles to come at once from Vizagapatam, and hoped he would have been here by this time. I had at the time intended to set him to work under Mr. Eve, who is showing his capacity for executive charge under most trying circumstances; but shall now probably send him on arrival to the Central division. The two overseers whom you are sending me will probably go to that division and the Western division; whether I shall have to ask for further assistance, I cannot say till I know more accurately the state of affairs in those two divisions.

No. 120 I.

Submitted for the information of Government in continuation of this office endorsement, No. 117 I., dated 31st August 1886.

OOTACAMUND,
3rd September 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

ORDER—dated 10th September 1886, No. 616 I., Public Works.

Recorded, with reference to G.O., No. 605 I., dated 6th September 1886.

2. Further report will be awaited.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Revenue Department.
" Newspapers.

Exd. E. Fernandez.
Spare Copies

IRRIGATION.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated September, 10th.

Recd. *Encl.*

G.O., 10th Sept. 1886, No. 616 I.

SEPTEMBER.

Flood in the Godavari

A further report from the Superintending Engineer, I Circle, on the damages caused by the —, recorded; and a further report awaited.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer for Irrigation, dated Dowlaishweram, 30th August 1886, No. 1304 G.D.

In continuation of mine of 26th instant, I have the honor to inform you that the river has continued to fall till it is now only 4'·2 above crest, and, as the weather has remained fine, the flooded country has been rapidly draining; and now, of course, will come the difficulty of supplying the undestroyed wet crops with water.

2. In the *Eastern division* that difficulty will be but small, for the gap caused by the destruction of the lock was yesterday successfully closed, and after shutting the head-sluices for about 48 hours, in order to facilitate the closing of a difficult breach near Medapad, I hope that irrigation will be able to go on much as usual, and that navigation along all the canals in the delta will also be re-established, though here and there, for a time, it may be somewhat inconvenienced by bars and shallows caused by washed in earth.

3. In the *Central division* the breaches in the various canals are so numerous and so large that some time must elapse before a fair supply of water can be sent down them; the Gunnaram canal, across which the flood waters tore great gaps, is in the worst case; whilst the Amalapuram canal has also suffered very severely, the Pullivella lock weir being carried away. That work was an old one which was to have been improved; its destruction now, with no stone at the place, will cause much trouble.

4. Mr. Jopp fortunately was passing down the Gunnaram canal when the breaches to the river bank along it were imminent, and, hurrying on, prepared for the inrush of water by opening Bellampudi new weir—breaching at the site of the old weir, and lowering bank to breach at other good places; had he not done so, there would in all probability have been breaches at the ends of the Gunnaram aqueduct, which would have led to its destruction.

5. Mr. Jopp is now doing his best to close breaches, but naturally at present finds great difficulty in getting labor, the laboring classes being busy rebuilding their houses.

6. In the Western division the state of affairs in the canals is serious, owing to the breaches caused by the "up-river" waters (see paragraph 8 of my No. 1265, dated 26th August 1886). These are detailed in Mr. Paul's notes herewith. Mr. Paul has been directed to spare no trouble or necessary expense in so closing the serious breaches that some supply of water may speedily be sent on to the important systems of irrigation under the various canals. The breaches in the Kakaraparru canal will claim his first attention, as they are the most difficult to deal with, and now cut off water from the large areas of land dependent on the Narsapúr and Bank canals.

7. Mr. Paul went in the *Arthur Cotton*, between 23rd and 26th, down the Narsapúr canal and *viâ* the Upputér and Venkiah and Wyeru back to Chettipet, and ascertained that human lives were not in danger, and that there was no fear of the people wanting food; this the Collector had been most anxious to ascertain. Unfortunately, on Mr. Paul's return journey the *Arthur Cotton* got disabled on Nundamúr aqueduct; she has been brought to Dowlaishweram for repairs.

8. There are no breaches in the river embankment in the Western delta.

9. I saw the Torrigedda outfall sluice, or rather what is left of it, on 25th instant; it has gone from abutment to abutment, and nothing can now be done to restore it, and it is doubtful whether it will be advisable ever to rebuild it.

10. From Dumagudem come reports of partial destruction of the "scouring sluice" there.

No. 122 I.

Submitted to Government in continuation of former reports.

Ootacamund,
7th September 1886.

(Signed) J. O. HASTED, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Joint Secretary to Government,
Public Works Department, Irrigation Branch.

Order—dated 11th September 1886, No. 623 I., Public Works.

Recorded with reference to G.O., No. 616 I., dated 10th September 1886.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Chief Engineer for Irrigation.
" Revenue Department.

Exd. E. Fernandez.
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IRRIGATION.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated September, 11th.

Recd. *Encl.*

G.O., 11th Sept. 1886, No. 623 I.

SEPTEMBER.

Godavari Floods

A further report from the Superintending Engineer, I Circle, on the damages caused to irrigation works, &c., by the —, recorded.

Financial Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Proceedings of Government in the Judicial Department dated 3rd December 1885 No. 3288 Mis:

× Not commd by P.W.D.

Order 30 December 85 No 1647 Fin

Recorded with the remark that, at a recent conference at which Honorable Members and the Secretarys to Government in the Public, Revenue and Public Works Departments were present, it was resolved to allot the whole sum of Rs 95,057 provided on account of Registration buildings in the Public Works "List of works to be executed in 1886-87"

P.W.D. Circular No. 2080 C dated 8th December 85.

(True Extract)

J. Rees

Under Secretary

To

The Public Works Department
" Judicial Department
" Inspector General of Registration

2908 W/f 5/12/85
2958 W/f 22/10/83
2080 C/f 5/12/85

[6]

Govt. of {188} Madras

No. 54 Wdf January 6. 1886 To

The W Dept

B

Recorded.
Recorded

Le
6/1/86

Rec 5/1/86

Proceedings, dated
No. 1647 Fin 1/24 1885.

Subject.

No. 54 Wdf January 6. 1886

Regarding grant for buildings of the Pay Dept

B

Ld 15/1

Encl 5 11/1

with despatch

Vide 2080C a/s 12-85

LIST OF WORKS UNDER PROVINCIAL, PROPOSED FOR EXECUTION DURING 1886-87.

DETAIL LIST OF ORIGINAL WORKS UNDER PROVINCIAL SERVICES FOR EXECUTION DURING THE YEAR 1886-87.

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Civil Buildings.	Rs.	Rs.	Rs.	Rs.		
				(a) *Major Works.*						
Provincial Services—Imperial—12. Administration.	Vizagapatam.	Sálúr ...	1	Constructing a third-class Tahsildar's office.	8,660	15	...	8,645	New work ...	G.O., No. 1293 W., dated 23rd May 1884. Item No. 2, Class A Works, Budget of 1885-86.
	Godávari Western.	Tanuku ...	2	First-class Tahsildar's office	21,420	7,339	7,500	4,000	Work in progress...	G.O., No. 3563, dated 20th December 1875. Item No. 4, Class A Works, Budget of 1885-86.
	Do. ...	Narsápur ...	3	Do. do.	22,900	...	...	10,000	New work ...	G.O., No. 3563, dated 20th December 1875. Item No. 5, Class A Works, Budget of 1885-86.
	Do. ...	Bhímavaram.	4	Do. do.	22,650	10,282	8,500	2,000	Work in progress...	G.O., No. 3563, dated 20th December 1875. Item No. 6, Class A Works, Budget of 1885-86.
	Kistna Eastern.	Nandigáma.	5	Tahsildar's office	23,390	...	...	16,000	New work ...	G.O., No. 65 W., dated 9th January 1885. Item No. 8, Class A Works, Budget of 1885-86.
	Do. ...	Bezváda ...	6	Improvements to Orr's bungalow ...	3,305	...	...	3,305	Do. ...	G.O., No. 276 W., dated 5th February 1885. Item No. 9, Class A Works, Budget of 1885-86.
	Nellore ...	Nellore ...	7	Collector's office	48,455	...	...	20,000	Do. ...	G.Os., No. 607 W., dated 13th March 1885, and No. 858 W., dated 9th April 1885. Item No. 10, Class A Works, Budget of 1885-86.
	Do. ...	Gúdúr ...	8	Head Assistant Collector's office ...	14,622	...	...	6,000	Do. ...	G.O., No. 336 W., dated 13th February 1885. Item No. 11, Class A Works, Budget of 1885-86.
	Do. ...	Atmakúr ...	9	Deputy Collector's office	...	...	...	5,000	Do. ...	Estimate is awaited.
	Bellary ...	Bellary ...	10	Improvements and extensions to Collector's office.	47,540	...	1,700	20,000	Work in progress...	G.O., No. 1134 W., dated 6th May 1884. Item No. 3, Class B Works, Budget of 1885-86.
	Do. ...	Bukkapatnam.	11	Second-class Tahsildar's office	12,200	3,590	5,200	3,410	Do. ...	G.O., No. 2925 W., dated 3rd December 1884. Item No. 14, Class A Works, Budget of 1885-86.
	Do. ...	Anantapur.	12	Collector's office	55,000	21,260	17,487	11,253	Do. ...	G.O., No. 3498 W., dated 6th December 1883. Item No. 15, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	13	Residence for Collector	30,875	10,879	7,547	11,253	Do. ...	G.O., No. 3010 W., dated 24th October 1883. Item No. 16, Class A Works, Budget of 1885-86.
	Do. ...	Penukonda.	14	Head Assistant Collector's office ...	16,682	5,923	10,000	760	Do. ...	G.O., No. 613 W., dated 14th March 1885.
	Cuddapah ...	Cuddapah ...	15	Collector's office	...	...	...	20,000	New work ...	Item No. 17, Class A Works, Budget of 1885-86. Estimate is awaited.
	Do. ...	Váyalpád ...	16	First-class Tahsildar's office with out-houses.	25,700	...	...	10,000	Do. ...	G.O., No. 1207 W., dated 22nd May 1885.
	Kurnool ...	Nandyál ...	17	Tahsildar's office	34,676	8,339	10,000	16,337	Work in progress...	G.O., No. 1847 W., dated 10th August 1885. Item No. 21, Class A Works, Budget of 1885-86.
	Do. ...	Kandapuram.	17A	Tahsildar's Office	35,625	...	...	...	.....	Estimate under disposal.
	Do. ...	Do. ...	18	Head Assistant Collector's office ...	14,234	...	...	7,000	New work ...	G.O., No. 652 W., dated 17th March 1885.
				Carried over ...	...	...	...	...		

DETAIL LIST OF ORIGINAL WORKS UNDER PROVINCIAL SERVICES FOR EXECUTION DURING THE YEAR 1886-87—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
					Rs. ...	Rs. ...	Rs. ...	Rs.		
				Brought forward ...						
Provincial Services—*cont.*				Civil Buildings—*cont.*						
Imperial—*cont.*				(*a*) *Major Works*—cont.						
12. Administration—*cont.*	Kurnool ...	Nandikótkur.	19	Improving the old Tahsildar's office and completing out-houses.	10,000	...	...	5,000	New work ...	G.O., No. 3454 W., dated 16th August 1876. Item No. 20, Class A Works, Budget of 1885-86.
	Nílgiri ...	Ootacamund	20	Additions and improvements to the Government House, Ootacamund.	7,79,150	6,67,319	15,000	50,000	Work in progress.	G.O., No. 2459 W., dated 3rd September 1883. Item No. 24, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	21	Additions to Collector's office buildings.	...	...	...	10,000	New work ...	Estimate is awaited.
	Do. ...	Devála ...	22	House and office for the Head Assistant Collector and Magistrate.	...	...	...	7,000	Do. ...	Do.
	Coimbatore	Coimbatore	23	Constructing a District Forest office ...	10,110	...	...	10,110	Do. ...	G.O., No. 2049 W., dated 20th August 1884. Item No. 4, Class B Works, Budget of 1885-86.
	West Coast.	Coondapoor.	24	Residence for the Head Assistant Collector.	15,730	1,760	6,000	7,970	Work in progress.	G.O., No. 2413 W., dated 30th September 1884. Item No. 28, Class A Works, Budget of 1885-86.
	Do. ...	Ponáni ...	25	Construction of public offices	74,521	6,000	29,960	20,000	Do. ...	G.O., No. 2597 W., dated 23rd October 1884. Item No. 22, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	26	Sea Customs house	4,030	...	...	4,030	New work ...	G.O., No. 511 W., dated 6th March 1885.
	Do. ...	Cochin ...	27	Sea Customs houses, stores and sheds ...	17,940	...	...	10,000	Do. ...	G.O., No. 2427 W., dated 22nd October 1884. Item No. 23, Class A Works, Budget of 1885-86.
	Do. ...	Calicut ...	28	Collector's office	...	...	...	20,000	Do. ...	Item No. 29, Class A Works, Budget of 1885-86. Estimate is awaited.
	Do. ...	Do. ...	29	Sea Customs Assistant Superintendent's office and store-sheds.	...	...	...	7,960	Do. ...	Estimate is awaited.
	Do. ...	Perinthalamana.	30	Tahsildar's office	34,070	...	...	15,000	Do. ...	G.O., No. 2380 W., dated 12th October 1885.
	Do. ...	Puttúr ...	31	Deputy Collector's office	10,960	...	...	10,960	Do.	
	Do. ...	Kásaragód	32	Public offices	...	...	...	20,000	Do. ...	Estimate is awaited.
	Do. ...	Badagara ...	33	Tahsildar's office	31,000	...	...	15,000	Do. ...	G.O., No. 2380 W., dated 12th October 1885.
	Presidency	Madras ...	34	Permanent roof to the verandah of the Banqueting Hall, Government House.	...	...	...	12,000	Do. ...	Item No. 6, Class B Works, Budget of 1885-86. Estimate is awaited.
	Do. ...	Do. ...	35	Improving the strong rooms of the Paper Currency office, Fort St. George.	12,500	...	...	12,500	Do. ...	G.O., No. 240 W., dated 20th January 1883. Item No. 7, Class B Works, Budget of 1885-86.
	Tanjore ...	Kumbakónam.	36	Tahsildar's office	19,240	...	...	10,000	Do. ...	G.O., No. 921 W., dated 18th April 1885. Item No. 30, Class A Works, Budget of 1885-86.
	Trichinopoly	Trichinopoly	37	Forest office to be attached to the Collector's office.	4,820	...	...	4,820	Do. ...	G.O., No. 516 W., dated 6th March 1885.
				Carried over ...	...	...	...	...		

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs.		
Provincial Services—*cont.* Imperial—*cont.*				Civil Buildings—*cont.* (*a*) *Major Works*—cont.						
12. Administration—*cont.*	Madura ...	Nellakóta ...	38	Deputy Tahsildar's office	11,828	3,804	5,228	2,790	Work in progress...	G.O., No. 515 W., dated 1st February 1878. Item No. 31, Class A Works, Budget of 1885-86.
	Do. ...	Oothama-poliem.	39	Deputy Tahsildar's office	11,993	4,500	6,993	500	Do. ...	G.O., No. 515 W., dated 1st February 1878. Item No. 32, Class A Works, Budget of 1885-86.
	Do. ...	Vedasandúr.	40	Do.	11,828	4,497	6,828	500	Do. ...	G.O., No. 515 W., dated 1st February 1878. Item No. 33, Class A Works, Budget of 1885-86.
	Do. ...	Tirumanga-lam.	41	Tahsildar's office	25,110	...	...	10,000	New work ...	G.O., No. 2013 W., dated 31st August 1885. Item No. 34, Class A Works, Budget of 1885-86.
	Architect ...	Madras ...	42	Reconstructing the tiffin-room at Chepâk for the use of clerks in the office of the Board of Revenue.	2,576	...	...	2,576	Do. ...	G.O., No. 1251 W., dated 29th May 1885.
13. Minor Department.	Presidency.	Do. ...	43	Providing lightning conductor to the Government Central Museum.	2,850	...	...	2,850	Do. ...	G.O., No. 1946 W., dated 8th August 1881. Item No. 35, Class A Works, Budget of 1885-86.
14. Law and Justice.	Godávari Eastern.	Pithápuram.	44	Sub-Magistrate's office	8,983	1,983	4,500	2,500	Work in progress...	G.O., No. 1928 W., dated 20th August 1885. Item No. 38, Class A Works, Budget of 1885-86.
	Do. ...	Túni ...	45	Do.	9,436	1,942	4,500	3,000	Do. ...	G.O., No. 1928 W., dated 20th August 1885. Item No. 39, Class A Works, Budget of 1885-86.
	Bellary ...	Siruguppa...	46	Do.	12,680	3,000	7,680	2,000	Do. ...	G.O., No. 22 W., dated 6th January 1879. Item No. 43, Class A Works, Budget of 1885-86.
	North Arcot.	Arkónam ...	47	Sub-Magistrate's office with out-houses.	14,245	...	...	8,000	New work ...	G.O., No. 1939 W., dated 21st August 1885.
	Nílgiri ...	Kótagiri ...	48	Combined Bench Magistrate's Court and third-class Police station.	8,060	...	...	8,060	Do. ...	G.O., No. 902 W., dated 15th April 1885.
	Coimbatore.	Karúr ...	49	District Munsif's Court	...	...	...	10,000	Do. ...	Estimate is awaited.
	West Coast.	Calicut ...	50	Law Courts	95,240	59,075	20,420	12,755	Work in progress...	G.O., No. 1553 W., dated 20th June 1884. Item No. 44, Class A Works, Budget of 1885-86.
	Do. ...	Betatnád ...	51	Improvements to Munsif's Court ...	4,295	...	...	4,295	New work ...	G.O., No. 2002 W., dated 28th August 1885.
	Tanjore ...	Kumbakó-nam.	52	Combined Court-house for the District Munsifs of Kumbakónam and Velan-gaman.	33,640	...	1,368	10,000	Work in progress...	G.O., No. 947 W., dated 21st April 1885. Item No. 47, Class A Works, Budget of 1885-86.
	Negapatam.	Mannárgudi.	53	Additional improvements to the District Munsif's Court.	5,010	...	100	4,910	Do. ...	G.O., No. 1841 W., dated 8th August 1885.
	Do. ...	Tiruválúr ...	54	Constructing a District Munsif's Court.	...	...	...	8,000	New work ...	Estimate is awaited.
	Madura ...	Paramakudi.	55	Munsif's Court	...	...	...	15,000	Do. ...	Do.
				Carried over ...	...	...	...	...		

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.		
				Brought forward ...	...	...	...	...		
Provincial Services—*cont.*				Civil Buildings.—*cont.*						
Imperial—*cont.*				(*a*) *Major Works—cont.*						
14. Law and Justice.—*cont.*	Madura ...	Madura ...	56	Sub-Magistrate's office	17,889	...	...	17,889	New work ...	G.O., No. 608 W., dated 13th March 1885.
	Tinnevelly.	Kokaraku-lam.	57	Improving the District Court-house ...	17,875	...	...	17,875	Do. ...	G.O., No. 506 W., dated 6th March 1885. Item No. 48, Class A Works, Budget of 1885-86.
	Architect ...	Madras ...	58	New Town Police Court	...	...	...	...	Do. ...	Estimate is awaited.
15. Ecclesiastical.	Nílgiri ...	Wellington.	59	Roman Catholic Church	...	...	...	7,000	Do. ...	Do.
	Presidency.	Madras ...	60	Providing new seats to St. Mathias' Church.	2,930	...	...	2,930	Do. ...	G.O., No. 2722 W., dated 4th November 1884.
	Do. ...	Do. ...	61	Ornamenting the ceilings of the nave in St. George's Cathedral.	2,711	...	...	2,711	Do. ...	G.O., No. 1492 W., dated 26th June 1885.
Provincial—										
16. Jails	Godávari Eastern.	Rajahmundry	62	Proposed water-supply and improvements to the existing drainage of the Central Jail.	30,000	17,329	6,844	5,827	Work in progress...	G.O., No. 3503 W., dated 6th December 1883. Item No. 51, Class A Works, Budget of 1885-86.
	Cuddapah...	Cuddapah...		Additions and alterations to the District Jail.	31,900	...	...	15,000	New work ...	G.O., No. 2883 W., dated 3rd December 1885.
	Nílgiri ...	Ootacamund.	63	Exercise yard for European convicts in the Ootacamund Jail.	...	...	...	5,000	Do. ...	Estimate is awaited.
	Coimbatore.	Salem ...	64	Additions and alterations to the quarters of the Superintendent, Central Jail.	3,600	...	21	3,579	Work in progress...	G.O., No. 1747 W., dated 16th July 1884. Item No. 55, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	65	Constructing quarters for the Deputy Jailor attached to the Central Jail.	3,660	...	182	3,478	Do. ...	G. O., No. 1752 W., dated 17th June 1884. Item No. 56 Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	66	Additions to the Central Jail	6,340	...	...	6,340	New work ...	G.O., No 1231 W., dated 28th May 1885.
	Do. ...	Coimbatore.	67	Improvements to the Central Jail ...	...	...	...	10,000	Do. ...	Estimate is awaited.
	West Coast.	Calicut ...	68	Constructing four cells in the District Jail.	3,200	...	...	3,200	Do. ...	G.O., No. 926 W., dated 18th April 1885.
	Presidency.	Madras ...	69	Constructing 12 solitary cells in the Penitentiary.	5,750	...	2,000	3,750	Work in progress...	G.O., No. 525 W., dated 7th March 1885.
	Do. ...	Do. ...	70	Constructing a guard-room at the entrance to the Penitentiary.	...	...	...	4,380	New work ...	Estimate is awaited.
	Do. ...	Do. ...	71	Constructing quarters for the Jail Apothecary in the Penitentiary.	...	...	...	5,000	Do. ...	Do.
	Trichinopoly.	Trichinopoly.	72	District Jail	1,24,080	15,349	25,000	20,000	Work in progress. .	G.O., No. 2134 W., dated 29th August 1884. Item No. 58, Class A Works, Budget of 1885-86.
	Madura ...	Madura ...	73	Improving the condemned cells, Civil Debtors' Jail, &c., in the District Jail.	...	...	...	4,285	New work ...	Estimate is awaited.
17 Police	Vizagapatam.	Vizagapatam.	74	Improvements to the office building of the Assistant Superintendent of Police.	3,725	...	...	3,725	Do. ...	G.O., No. 2873 W., dated 17th November 1884. Item No. 60, Class A Works, Budget of 1885-86.
				Carried over ...	...	...	...	...		

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
					Rs.	Rs.	Rs.	Rs.		
				Brought forward ...	...	...	...			
Provincial Services—*cont.*				Civil Buildings—*cont.*						
Provincial—*cont.*				(*a*) *Major Works*—cont.						
17. Police—*cont.*	Kistna Eastern.	Bezváda ...	75	Two Head and ten Constables' huts ...	4,538	...	...	4,538	New work ...	G.O., No. 526 W., dated 7th March 1885.
	Nellore ...	Nellore ...	76	Police huts at Moolapett	...	...	...	3,300	Do. ...	Estimate is awaited.
	Nílgiri ...	Devála ...	77	Purchase of Rowe's bungalow with out-houses and conversion of the building into a station-house and ten police huts, and constructing five additional huts.	9,170	...	...	9,170	New work ...	G.O., No. 2820 W., dated 26th November 1885.
	West Coast.	Malápuram...	78	Constructing residence with out-houses for the Assistant Superintendent of Police.	...	...	...	10,000	Do. ...	Estimate is awaited.
	Do. ...	Mangalore...	79	Additions and improvements to the office of the Superintendent of Police.	9,200	...	...	5,000	Do. ...	G.O., No. 2105 W., dated 25th August 1884.
	Do. ...	Do. ...	80	Constructing a Police hospital with out-houses.	11,745	...	...	6,000	Do. ...	G.O., No. 1109 W., dated 11th May 1885.
	Presidency...	Madras ...	81	Marine Police office	...	...	...	3,500	Do. ...	Item No. 12, Class B Works, Budget of 1885-86. Estimate is awaited.
	Tanjore ...	Tanjore ...	82	New Town Police station	6,740	416	700	6,040	Work in progress...	G.O., No. 64 W., dated 8th January 1885. Item No. 63, Class A Works, Budget of 1885-86.
	Do. ...	Kumbakónam.	83	Additional shed to the Town Police station.	2,700	...	503	2,200	Do. ...	G.O., No. 64 W., dated 8th January 1885. Item No. 64, Class A Works, Budget of 1885-86.
	Do. ...	Máyavaram.	84	Constructing ten Police huts at Nandalar chowkey.	3,945	..	...	3,945	New work ...	G.O., No. 2344 W., dated 9th October 1885.
	Do. ...	Nannilam ...	85	Constructing eleven Police huts at Sannamangalam.	3,585	...	...	3,585	Do. ...	Do. do.
	Do. ...	Do. ...	86	Constructing nine Police huts at Velangudi.	3,130	...	...	3,130	Do. ...	Do. do.
	Madura ...	Ammayanáyakanúr.	87	One second-class Police station-house and one Head and five Constables' huts.	3,850	...	...	3,850	Do. ...	G.O., No. 932 W., dated 20th April 1885.
	Do. ...	Saptur ...	88	Do. do. do. ...	...	...	...	3,700	Do. ...	Estimate is awaited.
	Do. ...	Virapaudi ...	89	Third-class Police station-house and one Head and four Constables' huts.	2,930	...	...	2,930	Do. ...	G.O., No. 932 W., dated 20th April 1885.
	Do. ...	Samayanallur.	90	Do. do. do. ...	2,690	...	...	2,690	Do. ...	G.O., No. 1206 W., dated 22nd May 1885.
	Do. ...	Iyalore ...	91	Do. do. do. ...	...	...	...	2,690	Do. ...	Estimate is awaited.
	Ramnad ...	Ramnad ...	92	Converting the Police hospital into a bungalow for the Assistant Superintendent of Police.	3,950	...	2,000	1,950	Work in progress ...	G.O., No. 2701 W., dated 3rd November 1884.
				Minor Works.						
	Nellore ...	Kandukúr...	93	Police huts	1,890	...	...	1,890	New work ...	G.O., No. 1746 W., dated 15th July 1881.
				Carried over ...	...	...	...	...		

DETAIL LIST OF ORIGINAL WORKS UNDER PROVINCIAL SERVICES FOR EXECUTION DURING THE YEAR 1886-87—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs.		
Provincial Services—*cont.* Provincial—*cont.*				Civil Buildings—*cont.* *Minor Works*—cont.						
17. Police—*cont.*	Nellore ...	Thettu ...	94	Police huts	...	...	...	1,350	New work ...	Estimate is awaited.
	Do. ...	Darsi ...	95	Second-class Police station-house ...	2,260	...	...	2,260	Do. ...	G.O., No. 1326 W., dated 8th June 1885.
	Kurnool ...	Pattikonda.	96	Nine Constables' huts	2,300	...	...	2,300	Do. ...	G.O., No. 453 W., dated 19th February 1884. Item No. 72, Class A Works, Budget of 1885-86.
	Tanjore ...	Máyavaram.	97	Six Police huts at Nalladai	1,950	...	...	1,950	Do. ...	G.O., No. 2344 W., dated 9th October 1885.
	Do. ...	Nannilam ...	98	Seven Police huts at Alathur	2,340	...	...	2,340	Do. ...	Do. do. do.
	Do. ...	Do. ...	99	Five Police huts at Kovilkandangudi ...	1,690	...	...	1,690	Do. ...	Do. do. do.
	Do. ...	Do. ...	100	Five Police huts at Seshumalai ...	1,756	...	...	1,756	Do. ...	Do. do. do.
	Negapatam.	Negapatam.	101	Additional shed for the Police station ...	1,075	...	...	1,075	Do. ...	G.O., No. 64 W., dated 8th January 1885.
	Tinnevelly.	Singikulam.	102	Third-class Police station-house ...	1,137	...	...	1,137	Do. ...	G.O., No. 2684 W., dated 31st October 1884.
				Major Works.						
18. Educational ...	Cuddapah...	Cuddapah...	103	Improving the Government High School.	2,000	1,424	...	3,745	Work in progress...	G.O., No. 2117 W., dated 27th August 1884. Revised estimate is awaited.
	Chingleput.	Saidápet ...	104	Constructing an upper story to the Agricultural College.	18,370	...	...	10,000	New work ...	G.O., No. 795 W., dated 31st March 1885.
	Do. ...	Do. ...	105	Improvements to the Government High School.	...	...	...	3,500	Do. ...	Estimate is awaited.
	Tanjore ...	Kumbakónam.	106	Additions and improvements to the College building.	65,341	...	...	10,000	Do. ...	G.O., No. 2226 W., dated 11th September 1884. Item No. 13, Class B Works, Budget of 1885-86.
	Architect ...	Madras ...	107	Additions and improvements to the Medical College.	75,326	...	...	40,000	Do. ...	G.O., No. 1252 W., dated 17th May 1884. Item No. 9, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	108	Constructing Civil Engineering College.	...	...	...	50,000	Do. ...	Item No. 15, Class B Works, Budget of 1885-86. Estimate is awaited.
	Do. ...	Do. ...	109	Constructing school-house for the Madrasa Azam.	...	...	...	10,000	Do. ...	Item No. 16, Class B Works, Budget of 1885-86. Estimate is awaited.
19. Medical ...	Godávari Eastern.	Bhadráchalam.	110	Constructing a dispensary	4,246	17	1,099	3,130	Work in progress...	G.O., No. 1804 W., dated 3rd August 1885.
	West Coast.	Calicut ...	111	Providing additional accommodation to the Lunatic Asylum.	10,346	...	...	10,346	New work ...	G.O., No. 2876 W., dated 18th November 1884. Item No. 81, Class A Works, Budget of 1885-86.
	Presidency.	Madras ...	112	Constructing quarters for the Assistant Matron, Lunatic Asylum.	4,330	...	...	4,330	Do. ...	G.O., No. 1225 W., dated 4th May 1884. Item No. 77, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	113	Constructing quarters for the second-class European Attendants, Lunatic Asylum.	8,115	...	...	8,115	Do. ...	G.O., No. 1225 W., dated 4th May 1884. Item No. 78, Class A Works, Budget of 1885-86.
				Carried over ...	...	...	...	...		

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs.		
Provincial Service—*cont.* Provincial—*cont.*				Civil Buildings—*cont.* *Major Works*—cont.						
19. Medical—*cont.*	Presidency...	Madras ...	114	Proposed operation-room to the General Hospital.	11,590	...	...	11,590	New work ...	G.O., No. 2096 W., dated 25th August 1884. Item No. 79, Class A Works, Budget of 1885-86.
	Do. ...	Do. ...	115	Constructing a cottage to accommodate twelve lunatics, Lunatic Asylum.	4,210	...	...	4,210	Do. ...	G.O., No. 1419 W., dated 17th June 1885.
	Do. ...	Do. ...	116	Constructing a block of six rooms for natives, Lunatic Asylum.	5,420	...	...	5,420	Do. ...	Do. do. do.
20. Miscellaneous.	Godávari Eastern.	Dowlaish-weram.	117	Residence for the Executive Engineer ...	12,500	7,914	2,586	2,000	Work in progress...	G.O., No. 788 W., dated 31st March 1885.
	Cuddapah ..	Madanapalle.	118	Sub-divisional office and quarters for the divisional officer.	...	...	...	3,660	New work ...	Estimate is awaited.
	Nilgiri ...	Ootacamund.	119	Sub-divisional office including quarters and out-houses.	...	...	...	6,280	Do. ...	Do.
	Do. ...	Do. ...	120	Quarters for non-commissioned officers, "Queen's" Own Sappers and Miners.	...	...	...	3,760	Do. ...	Do.
	Do. ...	Do. ...	121	Improvements to the Executive Engineer's office.	...	...	...	5,000	Do. ...	Do.
	Tanjore ...	Máyavaram.	122	Sub-divisional officer's bungalow office and out-houses.	...	...	...	7,040	Do. ...	Do.
	Negapatam.	Tiruturai-púndi.	123	Do. do. do. ...	...	...	...	6,900	Do. ...	Do.
	Do. ...	Mannárgudi.	124	Do. do. do. ...	...	...	...	6,560	Do. ...	Do.
	Madura ...	Madura ...	125	Preservation of Tirumal Naick's palace and adaptation for public offices.	2,74,847	2,63,460	20,000	30,000	Work in progress...	G.O., No. 728 W., dated 23rd March 1885. Item No. 84, Class A Works, Budget of 1885-86. Revised estimate is awaited.
	Architect ...	Madras ...	126	Purchase of the fishing village near the Presidency College.	...	...	...	26,500	New work ...	G.O., No. 959 W., dated 23rd April 1885.
	Do. ...	Do. ...	127	Providing a second boat for the floating latrine at Chepâk.	2,566	...	...	2,566	Do. ...	G.O., No. 1710 W., dated 23rd July 1885.
	Godávari Western.	Bhímavaram.	128	Sub-Registrar's office	2,540	...	...	2,540	Do. ...	G.O., No. 1202 W., dated 21st April 1883. Item No. 85, Class A Works, Budget of 1885-86.
	Do. ...	Ellore ...	129	Do.	2,540	...	...	2,540	Do. ...	G.O., No. 3456 W., dated 3rd December 1883. Item No. 86, Class A Works, Budget of 1885-86.
	Godávari Central.	Razole ...	130	Do.	2,750	5	...	2,745	Do. ...	G.O., No. 2989 W., dated 22nd October 1883.
	Nellore ...	Gúdúr ...	131	Do.	3,000	...	300	2,700	Work in progress ..	G.O., No. 2882 W., dated 18th November 1884. Item No. 87, Class A Works, Budget of 1885-86.
				Carried over ...						

DETAIL LIST OF ORIGINAL WORKS UNDER PROVINCIAL

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.
					Rs.
				Brought forward ...	...
				Civil Buildings—*cont.*	
Provincial Service—*cont.*				*Major Works*—cont.	
Provincial—*cont.*					
20. Miscellaneous—*cont.*	Nellore ...	Addanki ...	132	Sub-Registrar's office	2,970
	Do. ...	Atmakúr ...	133	Do.	...
	Kistna Eastern.	Masulipatam.	134	Registrar's office	6,540
	Kistna Western.	Bápatla ...	135	Sub-Registrar's office	2,860
	Coimbatore.	Kollegál ...	136	Do.	2,630
	Do. ...	Hosúr ...	137	Do.	2,970
	West Coast.	Tellicherry.	138	Registrar's office	7,225
	Do. ...	Udipi ...	139	Sub-Registrar's office	3,370
	Do. ...	Vittal ...	140	Do.	3,240
	Do. ..	Chevayur ...	141	Do.	3,020
	Do. ...	Tirurangadi.	142	Do.	2,650
	Do. ...	Puttúr ...	143	Do.	3,120
	Do. ...	Kondotti ...	144	Do.	3,020
	Do. ...	Wandúr ...	145	Do.	2,905
	Do. ...	Tripriyar ...	146	Do.	3,335
	Do. ...	Chávakád ...	147	Do.	3,240
	Do. ...	Malápuram.	148	Do.	2,785
	Do. ...	Támrachéri.	149	Do.	2,926
	Trichinopoly.	Trichinopoly.	150	Do.	4,100
	Madura ...	Tirumangalam.	151	Do.	2,864
				Carried over ...	...

SERVICES FOR EXECUTION DURING THE YEAR 1886-87—*cont.*

Outlay.		Grant for 1886-87.	State of Work.	Remarks and References.
Actual to end of 1884-85.	Probable during 1885-86.	Amount.		
Rs.	Rs.	Rs.		
...	...			
...	200	2,770	Work in progress...	G.O., No. 2882 W., dated 18th November 1884. Item No. 88, Class A Works, Budget of 1885-86.
...	...	2,000	New work ...	Estimate is awaited. Item No. 89, Class A Works, Budget of 1885-86.
...	...	6,540	Do. ...	G.O., No. 1108 W., dated 11th May 1885. Item No. 91, Class A Works, Budget of 1885-86.
9	...	2,851	Do. ...	G.O., No. 1622 W., dated 27th June 1884. Item No. 90, Class A Works, Budget of 1885-86.
...	...	2,630	Do. ...	G.O., No. 1790 W., dated 14th July 1882.
560	...	2,410	Work in progress...	G.O., No. 945 W., dated 7th April 1884.
...	...	7,225	New work ...	G.O., No. 1248 W., dated 16th May 1884. Item No. 96, Class A Works, Budget of 1885-86.
...	...	3,370	Do. ...	G.O., No. 856 W., dated 28th March 1884. Item No. 93, Class A Works, Budget of 1885-86.
...	...	3,240	Do. ...	G.O., No. 1148 W., dated 7th May 1884. Item No. 94, Class A Works, Budget of 1885-86.
...	...	3,020	Do. ...	G.O., No. 3331 W., dated 22nd November 1883. Item No. 95, Class A Works, Budget of 1885-86.
...	...	2,650	Do. ...	G.O., No. 3331 W., dated 22nd November 1883. Item No. 97, Class A Works, Budget of 1885-86.
...	...	3,120	Do. ...	G.O., No. 3330 W., dated 22nd November 1883, Item No. 98 Class A Works, Budget of 1885-86.
...	...	3,020	Do. ...	G.O., No. 1169 W., dated 18th May 1885.
...	...	2,905	Do. ...	Do. do.
...	...	3,335	Do. ...	Do. do.
...	...	3,240	Do. ...	Do. do.
...	...	2,785	Do. ...	Do. do.
...	...	2,926	Do. ...	G.O., No. 1901 W., dated 17th August 1885.
...	...	4,100	Do. ...	G.O., No. 3000 W., dated 6th December 1884.
...	...	2,864	Do. ...	G.O., No. 2502 W., dated 23rd October 1885.
...	...	...		

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs.		
Provincial Services—*cont.*				Civil Buildings—*cont.*						
Provincial—*cont.*				*Major Works*—cont.						
20. Miscellaneous—*cont.*	Tinnevelly.	Srívilliputur.	152	Sub-Registrar's office	2,705	245	96	2,364	Work in progress...	G.O., No. 3424 W., dated 30th November 1883. Item No. 101, Class A Works, Budget of 1885-86.
	Do. ...	Kokaraku-lam.	153	Registrar's office	4,380	...	633	3,747	Do. ...	G.O., No. 3189 W., dated 12th November 1883. Item No. 102, Class A Works, Budget of 1885-86.
				Minor Works.						
	Nellore ...	Kandukúr...	154	Sub-Registrar's office	2,455	...	...	2,455	New work ...	G.O., No. 2738 W., dated 20th October 1882.
	Cuddapah...	Váyalpád ...	155	Do.	2,435	...	...	2,435	Do. ...	G.O., No. 719 W., dated 23rd March 1885.
	Do. ...	Chitvél ...	156	Do.	2,040	...	...	2,040	Do. ...	G.O., No. 1232 W., dated 14th May 1884.
	Tanjore ...	Tiruvádi ...	157	Converting a portion of the old Tahsildar's office into a Sub-Registrar's office.	1,120	...	...	1,120	Do. ...	G.O., No. 2896 W., dated 19th November 1884.
	Trichinopoly.	Manaparai...	158	Sub-Registrar's office	2,090	...	...	2,090	Do. ...	G.O., No. 718 W., dated 23rd March 1885.
	Tinnevelly...	Satankulam.	159	Do.	2,080	...	...	2,080	Do. ...	G.O., No. 1982 W., dated 26th August 1885.
	Do. ...	Vartiráyi-ruppu.	160	Do.	2,200	...	...	2,200	Do. ...	G.O., No. 2079 W., dated 7th September 1885.
				Communications.						
				Major Works.						
Metalled and bridged roads.	Vizagapatam	...	161	Road from Potinghi to Korapet ...	2,72,700	...	...	70,000	Do. ...	G.O., No. 2365 W., dated 10th October 1885. Item No. 112, Class A Works, Budget of 1885-86.
	Do. ...	...	162	New Potinghi ghât — Constructing two bridges on —.	4,56,581	4,24,169	5,000	30,000	Work in progress...	G.O., No. 2365 W., dated 10th October 1885.
	Do. ...	...	163	Surveying road from Korapet to Central Provinces.	...	...	...	3,000	New work ...	Estimate is awaited.
	Nílgiri ...	Coonoor ...	164	Rest-house on the Coonoor ghât ...	7,010	...	...	7,010	Do. ...	G.O., No. 1284 W., dated 3rd June 1885.
	Do. ...	Ootacamund.	165	New road on Bombay Castle Hill ...	...	...	...	11,000	Do. ...	Estimate is awaited.
	Do. ...	...	166	Improving and metalling the road from Ootacamund to Gúdalúr.	2,20,000	1,67,978	32,000	15,000	Work in progress...	G.O., No. 1285 W., dated 23rd May 1884. Item No. 109, Class A Works, Budget of 1885-86.
	West Coast.	...	167	Improving the road from Calicut to Vayitri.	3,19,788	...	59,000	1,00,000	Do. ...	G.Os., No. 1527 W., dated 1st July 1885, and No. 2373 W., dated 12th October 1885. Item No. 111, Class A Works, Budget of 1885-86.
	Do. ...	...	168	Improving the road from Vayitri to Gúdalúr.	4,10,000	...	...	75,000	New work ...	G.O., No. 2412 W., dated 15th October 1885.
	Madura ...	...	169	Completion of the road from Cumbum to the foot of the Gúdalur-Permed ghât.	76,948	43,370	11,293	4,085	Work in progress...	G.O., No. 2250 W., dated 28th September 1885. Item No. 110, Class A Works, Budget of 1885-86.
				Carried over ...	...	...	...	...		

DETAIL LIST OF ORIGINAL WORKS UNDER PROVINCIAL SERVICES FOR EXECUTION DURING THE YEAR 1886-87—*cont.*

Head of Classification.	Executive Division.	Locality.	Item No.	Projects and Works.	Amount of Estimate.	Outlay. Actual to end of 1884-85.	Outlay. Probable during 1885-86.	Grant for 1886-87. Amount.	State of Work.	Remarks and References.
				Brought forward ...	Rs. ...	Rs. ...	Rs. ...	Rs. ...		
				Miscellaneous Public Improvements.						
Water supply ...	Nilgiri ...	Ootacamund.	170	Water-supply	...	...	...	1,13,100	New work.	Estimate is awaited.
.....	Presidency.	Madras ...	171	Constructing a foot-path along the eastern side of the Napier's bridge.	...	...	...	51,050	Do. ...	Do.
Paving and streets...	Architect ...	Do. ...	172	Sloping and planting grass on foreshores of the beach.	...	...	...	3,500	Do. ...	Do.
Town buildings ...	Do. ...	Do. ...	173	Extending the dwarf wall up to the Hindu cemetery.	...	...	...	40,000	Do. ...	Do.
Do. ...	Do. ...	Do. ...	174	Extending the promenade to St. Thomé.	...	...	...	15,000	Do. ...	Do.
				Total ...	...					

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from G. T. WALCH, Esq., Officiating Superintending Engineer, First Circle, to the Inspector-General of Registration, dated Dowlaishweram, 26th September 1883, No. 1822 G.D. :—

With reference to G.O., No. 1153 W., dated 6th May 1882, I have the honor to forward, herewith, an estimate, amounting to Rs. 2,750, prepared in general accordance with the standard plan for constructing a sub-registrar's office at Razole, in the Nagaram island, Central division, Godávari district, and to request you will be good enough to transmit the same to Government for sanction with your countersignature.

1 Estimate, Rs. 2,750, with duplicate.
1 Copy of letter, No. 339, dated 1st September 1883, from Executive Engineer, Central division, Godávari district, to Superintending Engineer, First Circle.

2. I enclose, for your information, a copy of the divisional officer's letter, No. 339, dated 1st September 1883, from which it will be seen that, at the request of the district registrar, the building is now proposed to be built at Razole, instead of at Sivakodu, and that a suitable site for the building has not yet been secured.

No. 2021.

Endorsement on the above.

Submitted to the Government for sanction.

The site for the office should be subject, as elsewhere, to the approval of the Collector of the district.

(Signed) G. HAMNETT,
10th October 1883. Inspector-General of Registration.

To the Secretary to Government, Public Works Department.

ENCLOSURE.

From Captain A. R. F. DORWARD, R.E., Executive Engineer, in charge Central Delta Division, Godávari District, to the Superintending Engineer, First Circle, dated Gunnavaram, 1st September 1883, No. 339.

Subject.—Your No. 2957 G.D. of 8th March 1883.

I have the honor to forward, herewith, for sanction, a plan and estimate of Rs. 2,750 for a sub-registrar's office to be built at Razole, in the Nagaram island.

At present the sub-registrar has his office at Sivakodu; but the district registrar, on being asked to select a site for the work, stated that it should be built in Razole limits in inam field No. 257.

The estimated compensation for 40 cents of that field is, according to the Revenue Department, Rs. 270, Rs. 206 of that sum being compensation for fruit trees.

The amount of compensation being very large, the registrar lately wrote to me and suggested another site on waste land. There is a small building on that site, however, which would have to be removed were the office built there, and this the Razole villagers object to, as they say the building is a holy one.

I have therefore included in the estimate Rs. 270 as compensation for land. I think it probable that when the estimate is sanctioned and funds allotted a suitable site will be obtainable for a less sum, but do not think it necessary to detain the estimate any longer until the exact site is fixed. The land required for the office is, whatever site be eventually fixed upon, not likely to cost more than Rs. 270.

ORDER—dated 22nd October 1883, No. 2989 W., Public Works.

The estimate, amounting to Rs. 2,750, for constructing a sub-registrar's office at Razole, in the Nagaram island, Godávari district, is sanctioned for execution when funds are available.

2. The site for the office should be fixed in consultation with the Collector of the district.

3. This sanction has been registered as Provincial No. 141 W. of 1883-84 and classified as Civil Buildings, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, First Circle, with one enclosure.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Inspector-General of Registration.
" Judicial Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated October, 22nd.

Recd. *Encl.*

G.O., 22nd Oct. 1883, No. 2989 W.

OCTOBER.

Sub-Registry Office

Estimate for a — at Razole, in the Nagaram island, Godávari district, sanctioned.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From the Superintending Engineer, I Circle, dated 18th December 1884, No. 490 G.N.
" " " I " " 25th " " " 2312 "

ORDER—dated 8th January 1885, No. 57 W., Public Works.

The following sums are resumed and added to the Provincial reserve with Government :—

		Rs.
1.	Constructing sub-registrar's office at Razole...	1,400
2.	Deepening the Chilka lake canal	19,600
	Total ...	21,000

2. The following appropriations are sanctioned from the reserve :—

		Rs.
1.	Restoration works in connection with the Red Hills and Cholaveram tanks (including percentage charges for establishment, and tools and plant)	3,000
2.	Additions to Zenana, Amir Mahal	1,638
3.	Sinking a well in Bruce Pettah, Bellary	1,000
4.	Repairs, Civil Buildings, Consulting Architect's Division (for repairing Amir Mahal)	4,614
	Total ...	10,252

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " III "
" " " VI "
" Consulting Architect to Government.
" Superintendent of Works, Tank Maintenance Scheme.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Financial Department.
" Political "
" Judicial "

Exd. E. Fernandez.
Spare Copies

1887.

P. W. DEPARTMENT.

Current No. 399

From The Judicial Dept.

ENCLOS.—

No. R. No. 89.

Dated 19th January 1887

Received 20th —

SUBJECT.

Referring to the P. W. Dept ref. from the natives of Sivakodu Dr., Godavari District of 16 Dec. No./86 for report whether from flor Rajole is in the danger as alleged -

---

DISPOSAL.

No. 714 Dated 21st Jany 1887

Refered to the Supty. Engr. I circle. (S. O.)

(Sd) W. L. C. Baddeley, Capt. R. Under Secy. to Govt. P. W. Dept.

To S. E. I circle.

21/1/87

No. 172-89-D.

No 21 Dated 19. 4. 87.

Judicial Deptt. endt. on appeal from the natives of Sivakodu Godavery Dt. against the removal of the Sub Registrars office to Razole, returned to Judl. Dte. with copies of S. E. I Co's letter no: 2893 Dtd. 20. 3. 87

No. 17289 D.

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DOWLAISHWARAM, 24th Nov. 1885.

SIR,

I have the honor to request that you will be so good as to obtain an allotment of Rs. 420 for the work "constructing a Sub Registrar's Office at Razole" in the Godavari Central Dn. an estimate for which has been sanctioned in G.O No. 2989 W. dated the 22nd October 1883. This sum is required for payment of compensation for land taken up for the work.

I have the honor to be,
Sir,
your most obedient Svt.

Asst. Engr.
For Supt. Engr. 1st Circle.

2989 W/22/10/83

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DATED 24th
DESPATCHED 24th November 1885
RECEIVED 30

No. 1728 S D

ENCLOSURES. nil

Constructing a Sub Registrar's Office at Razole in the Godavari Central Division — Requests an allotment of Rs. 420 for —

No. 2908 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the Dec^r 5th 1885

READ the following

From the Supty. Engr. I circle. H.C. No: 1728 G. D. dy 24th November 1885

A sum of Rs. 420 is appropriated from the Provincial reserve with the Govt. to meet the compensation for the land taken up for the sub-registrar's office at Razole in the Godavari District, sanctioned in G.O. No: 2989 W dated 22nd October 1883

4.12.85

Dec^r 5/12

To The Supty. Engr. I circle
" Examiner P. W. Accts
~~" Judicial Department~~

Cu
W 3/12

No. 2501 G.D.

D. P. W.

Superintending Engineer's Office First Circle.

Station

Dated
Despatched
Received } 23 January 1887.

Enclosures.

To The Inspector General
of Registration, Madras.

Reference
No. dated } 188 .

Sir,

With reference to your No. 4281
30-12-86 I have the honor to say that
as the work in question is already in
hand (there has been an expenditure on
it of Rs. 1,008 to end of last month) it is
useless going into any suggestion of the
site which was adopted & approved
after due consideration.

I have &c.
(Sd.) G. T. Walch
Supt. Engr. 1st. Circle.

(True Copy)

G. T. Walch
Supt. Engr. 1st. Circle.

* Subs Registrars Offices - Razole.

No. 2893 Gl. Dt.

FROM

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO

THE CHIEF ENGINEER

P.W. Department

~~FOR IRRIGATION.~~

DOWLAISHWERAM, 20th March 1887

Dpd 27th Do.

Enclos:-1.

SIR,

With reference to your No. 214 21-1-87 I have the honor to enclose copy of a letter already sent to the Inspector General of Registration Madras written on a similar petition from the people of Sivakodu who evidently have some petty local jealousy as regards the neighbouring village of Razole.

× No. 2501 22-1-87

2. There is and has for many years past been a "Set" of the River at Razole with which this Department is dealing and I consider it does not endanger the building in question which is a furlong or more inland.

I have the honor to be,

Sir,

your most obedient St

Sup[r] Engr 1st Circle.

Enclosure to letter No. 2893 Gl. Dated 20th March 1887 from the Supr Engineer 1st Circle to the Chief Engineer P.W. Department.

L:1

P.W. 2165/87

C10/0302

C & W

Enclose account
having letter
& I will obtain
for an allotment
of Rs 420 - as this
sum is required
for payment
of Conversation
for land already
taken up. The allot-
-ment is nigary
Draft order
abbropriating the
sum from the
Reserve is
submitted for
approval

3/12

P.W.C. No 2665

Nº 1280 c of 4-4-87

Defered Telegram
Deferred telegram

To
To Supte: Engr: I Circle
Supt Engr I Circle

"Return this office
Return this
original 214.C. twenty
office original
first January
214. C. twenty
Petition about Razole
first January.
Petition about
Razole "

Telgh: despd:
4/4/87

mm
4.4.87
D.W. D.W.

FROM

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO

THE CHIEF ENGINEER
Public Works Depart
~~FOR IRRIGATION.~~

DATED 20
DESPATCHED 27 } Mar
RECEIVED 4.4.87 1887.

No. 2893 I.D.

ENCLOSURES. 1.

Nº 1280 c of 4-4-87

Razole.— Public Buildings at— Reporting that there is no danger to the —

Nº 214 C of 21-1-87,
- 54 W - 6-1-86.
- 623 I - 11-9-86.
- 616 I - 10-9-86.
- 605 I - 6-9-86.
- 591 I - 1-9-86.
- 2908 W - 5-12-85.
- 57 W - 8-1-85
- 2989 W - 22-10-83

No. 92 Gd

FROM

G. T. Walch Esquire
~~THE~~ SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO

THE CHIEF ENGINEER
P. W. Department
~~FOR IRRIGATION.~~

Encls 1

DOWLAISHWERAM, 7 April 1887

Desp'd 8/4/87

SIR,

With reference to your Telegram dated 4th Instant, I have the honor to return herewith your No. 214 C dated 21st January 87 with its enclosures.

I have the honor to be
Sir
Your most obedt. Servt.

G. T. Walch

Suptg: Engineer 1st Circle

JK

FROM

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO

THE CHIEF ENGINEER
~~FOR IRRIGATION.~~

DATED
DESPATCHED } 188
RECEIVED

No.

ENCLOSURES.

46 C - 21-1-87 605-9.6-5-87
5445 6 1-8 6 5719-4-5-87
1759-11-9-86 2408 W c-12-85-
6169-10-9-87 2989 W 22-4-87
57 W - 8-1-1885

Memo

No 21 D. dated 19th April 1887.

C. 399. C. 2665.

1280. C. 2. C. 2908.

Copies of the
S. Es No 2893,
G.D. dated 20th
March 1887 and
Enclosure are forwarded
to the Judicial Dept in
reply to their refer-
ence on current
No 89, which is
herewith returned.

Secn
16/4/87 W

15.4.87

Despatched
19/4/87.

To The Judicial Dept
with 2 Encloss.
Ry 15/4/87

P.W.C. No 2908

(10)

From G. T. Walsh Esqre
Superdgg Engr

To The Chief Engineer
P.W. Dept

Dated 7
Despd 8 } April/87
Recd 15.4.87

No 92 Gd.

Encls + 3

No 21 D dy 19th April 1887.

Chief Engineers Office
In. 214 C Dated 21/1/87
with its enclosures —
Returned.

DW
W

Judicial Department.

CHIEF SECRETARIAT. MADRAS.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following papers —

From the natives of Sivakodu Division, Godavari District, dated 11th December 1886.

From the Public Works Department, dates 19th April 1887, No 21 D.

—

Order thereon, dy 28 April 1887, No 922.

The petitioners will be informed that the Government see no reason to modify the orders regarding the erection of certain buildings at Razole.

/True Extract/

A. A. Chant

Under Secretary.

To
The Natives of Sivakodu Division, Godavari Dt.
" Inspector-General of Registration.
" Public Works Department ✓

No 21 D

[6]

P.W.C.No. 32

Govt. of {188} Madras.

(4)

To

The PW Dept

G 6.5.87

Proceedings, dated 28-4-188

No. 922

Subject.

B.No 1260 Wdy 10th May 1887

Declining to modify
the orders regarding
the erection of Cutcherries
buildings at Razoli
Sivakoda Division
Godavari Dt

No 428 d/19.4.87

B.No 1260 Wdy/10th May 1887

Cond: to the
Supdg. Engineer I Circle
with refce to
his No: 289 3 G D
dated 20-3-87
G.D. § 20.3-87

Mem
6.5.87

Jou.
7/5/87

S.E. I 6 / V D
I. 6 10/5

JW 21/5