23/2.90/RH

S. Palanichamy

பிரதி.

தமிழ்நாடு ஆவணக் காப்பகம்.
(ஆராய்ச்சிக் கூடம்)

338

ஆவணங்களுக்கான கோரிக்கை.

ஏட்டின் விவரம்.

தொகுதி எண். அ.ஆ./வ.ந. எண்.	ஏட்டின் எண்.	துறை.
NO 1068 Dt 17Dec1896		PWD Irrigation
Tramway and wagons — Kistna.		

88
கையொப்பம்.

தேதி : 13-2-90.

குறிப்பு.—(1) ஒரே கோரிக்கையில் ஒன்றுக்கு மேற்பட்ட துறைகளோடு தொடர்புள்ள ஆவணங்களைச் சேர்க்கக்கூடாது.
(2) கோரிக்கை இரட்டைப்படிகளாக எழுதப்படவேண்டும்.

Public Works (1896) Department.

G.O., No. 1066 I

DATED 17 December

19/12/96

[Despatch Abstract.]

Expenditure: Re Exr of P.W. Accts: authorized to admit the — incurred on the two works entered in the Completion report of the Nellore Dn for July 1896

100/7

F.C.
17/12

19/12

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.

Government (1896) of Madras.
PUBLIC WORKS.

Recd. *Regd.*	1896.	*Enclosures* *Spare copies*

G.O., No. 1066 I., 17th December 1896.

DECEMBER.

Expenditure

The Examiner of Public Works Accounts authorized to admit the — incurred on the two works entered in the completion report of the Nellore division for July 1896.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following papers:—

From Major W. L. C. BADDELEY, R.E., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezwada, 14th September 1896, No. 369 N.L.

I have the honour to forward, herewith, a copy of completion report for land compensation for Allur channel and Ulavapalla branch minor channel 3 miles 396 feet, left bank, and to request that you will be so good as to obtain the sanction of Government to the excess outlay over estimates being admitted by the Examiner, Public Works Accounts.

Memorandum to the Superintending Engineer, II Circle, dated 19th September 1896, No. II/57 N.L.

With reference to letter No. 369 N.L., dated 14th instant, from the Superintending Engineer, II Circle, the undersigned has the honour to observe that the meagre explanation afforded by the Executive Engineer is not likely to induce the Government to sanction the excesses on the two works entered in the completion report therewith forwarded.

2. From item 277 of the statement embodied in Proceedings of Madras Government, No. 881 I., dated 28th October 1892, it is observed that the sanctioned provision of Rs. 950 for the first item was reduced to Rs. 342. As this statement was compiled from information furnished by the Collector of Nellore, the necessity for the subsequent payment of Rs. 397 should be reported.

3. With regard to the excess on the second item, it should be stated whether the Revenue Department was consulted, in accordance with paragraph 22, chapter IX, Vol. I, Public Works Department Code, in framing the estimate, and the circumstances which necessitated the payment of the large amount of Rs. 721 for compensation for loss of produce should be fully explained.

(Signed) F. J. WILSON,
for Chief Engineer.

From R. N. H. REID, Esq., Executive Engineer, Nellore Division, to the Superintending Engineer, II Circle, dated 18th November 1896, No. 246 S.E.

In returning herewith the completion report received with your endorsement No. 403 N.L., dated 3rd October 1896, on Irrigation Chief Engineer's No. II/57 N.L., dated 19th September 1896, I have the honour to offer the following explanation:—

Item 21, *Allur channel.*—A copy of Collector's No. 4107/Ver., dated 8th November 1896, is enclosed, from which it will be seen that certain dues were omitted to be intimated to this office under outlay anticipated, and hence the excess.

Item 22.—Means of irrigation and means of communication to certain fields of Umamaheswarapuram shrotriem were cut off by the excavation of Ulavapalla branch channel in fasli 1297 or 1887. A long correspondence took place between the Revenue Department and the Public Works Department Audit, at last ended in the restoration of means of irrigation in 1892 and means of communication in 1894. Loss of produce, &c., had to be paid for six years at the rate of Rs. 120 a year. The above were not foreseen at the time of making the original estimate, which only provided for land to be taken for the works, and not for loss of produce and means of communication cut off; hence the excess.

ENCLOSURES.

Monthly report of works completed during the month of July 1896, *Nellore division.*

Item number.	Class No. of estimate.	Name of estimate.	Sanction.			Amount of estimate.	Expended.	Saving.	Excess.	Percentage of excess, if any.	Remarks.
			Authority.	Number.	Date.						
						RS.	RS.	RS.	RS.		
21	49	Allur channel compensation (Sangam anicut system).	G.O.,	No. 881 I.,	dated 28th October 1892.	342	739	..	—397	116	The provision made in the estimate is insufficient; hence the excess.
22	..	Ulavapalla branch channel minor channel 3 miles 396 feet, left bank, compensation (Sangam anicut system).	S.E. II.	No. 262-2	of 1889–90.	15	723	..	—708	4,720	The excess is due to Rs. 720-13-3 paid by the Revenue Department for loss of produce from faslis 1297 to 1302.

Copy of letter from the Collector of Nellore, to the Executive Engineer, Nellore Division, dated 8th November 1896, No. 4107/Ver.

In reply to your letter No. 633 M., dated 29th October 1896, I have the honour to state that of the total expenditure of Rs. 749–15–6, Rs. 363–13–6, were actually paid previous to the date of your reference of 1891, and the remainder Rs. 386–2–0, subsequent to that date. This latter amount belongs to two claims—one for S. No. 251 A. of North Mopur, for which Rs. 32 was awarded in August 1889; and the other for S. No. 250 of the same village, for which Rs. 354–2–0 was awarded for trees, a well and a house, on the 1st July 1891, separate compensation having been settled for land in the shape of fresh lands in exchange. Copies of these awards, viz., 241 of 1889 and 122 of 1891, were as usual forwarded to you. In verifying the figures furnished by you in 1891 under outlay anticipated, it was ascertained that no case was pending settlement at the time; and therefore no amount was estimated under outlay anticipated. The two cases already referred to in which compensation had been settled but not paid for, were not taken into account.

No. 519 N.L.

Forwarded to the Chief Engineer for Irrigation, with reference to his No. II/57 N.L., dated 19th September 1896.

(Signed) W. L. C. BADDELEY, Major, R.E.,
Superintending Engineer, II Circle.

24th November 1896.

No. 227 I.

Submitted to Government. In the circumstances reported, the excesses may be passed.

(Signed) W. HUGHES,
Chief Engineer for Irrigation.

CHEPÂK,
9th December 1896.

Order—No. 1066 I., dated 17th December 1896.

The Examiner of Public Works Accounts is authorized to admit the expenditure incurred on the two works entered in the Completion Report of the Nellore division for July 1896.

2. This sanction is registered as No. 151 I. of 1896-97.

(True Extract.)

(Signed) W. HUGHES,
Joint Secy. to Government,
Irrigation Branch.

To the Chief Engineer for Irrigation.
„ Superintending Engineer, II Circle.
„ Examiner, Public Works Accounts.

Ex*d* Md. Pahilvan.

Public Works (1896) Department

Completion Reports of Nellore chan[illegible]

Hr.

No. 1066 I of 17-12-96

Current No: 11441 9?

Public Works Department,

Irrigation Branch.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Recd: 16.12.96

Enclos. 5

Under date the

Read the following

From Supdg Eng, II Circle. No. 369 I.L. of 14.9.96
To do. . 57 I.L. of 19.9.96
From do. . 519 I.L. of 24.11.96.

No 227 I

Submitted to Govt.

In the circumstances reported the excess may be passed.

Order thereon

The Examiner of P. W. Accounts is authorized to admit the expenditure incurred on the two works entered in the completion report of the Nellore Dn for July /96.

2. This sanction is registered as No. 151 I of 1896-97.

A.G.H.
11.12.96

Issue

14/12

7/12
7.12
18/12

D.I

12-12-96

To
The Chief Engr for I.
Supdg Engr II
Exr P.W.A.

7/1/97

1/12/96

WH
9/12

28/11
9.12.96

Public Works (189) Department.

CURRENT No. 99 N.L.

Order

From

Major W.L.C. Baddeley R.E.
Supg: Engr: II Circle

No. 519 M

Dated 24 November 1896

Received 26 – 11 – 96

Enclosures 2

Spare copies

SUBJECT.

Allur Channel Compensation
Forwards copy of letter from Nellore Dt: Ex: Engineer explaining certain objections of A.G. reg: the —, C.R.

26.11.96

27.11.96

27-11-96

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

P. W. D. Form No. 45 E.

Nellore DIVISION.

Monthly report of Works completed during the month of July 1896

Item No.	Class No. of Estimate	Name of estimate.	Sanction.			Amount of estimate.	Expended.	Saving.	Excess.	Percentage of excess, if any.	Remarks
			Authority.	No.	Date.						
						Rs.	Rs.	Rs.	Rs.		
21	49	Allur Channel Compensation (Sangam Anicut System)	G.O.	881 I	28-10-92	342	739		-397	116	The provision made in the estimate is insufficient hence the excess.
22	.	Ulavapalla Branch Channel Junior channel 3 M. 396' Left Bank Compensation (Sangam Anicut System)	S.E. II	262-2	1889-90	15	723		-708	4720	The excess is due to Rs 720-13-3 paid by the Rev. Dept. for loss of produce from fuslis 1297 to 1302

Sanctd in G.O. No. 1066 I d/ 17-12-96 & regd as No. 1519 of 96-97

R. W. H. Reid 6/8

Executive Engineer
Nellore Division

NOTES.

Reference to P. W. D. Code.
Chap. IX, paras. 38 to 43.

1. After the despatch of the monthly accounts a report should be submitted to the Examiner of all works and repairs completed during the month for which detailed reports in Form No. 45 A. or 45 C. are not required.

2. Separate forms should be used for works and for repairs.

3. The amount expended should be entered to the nearest rupee (omitting annas and pies), and should accord with the up-to-date outlay shown in the Schedule of Expenditure of the month in question and with the closing entry in the Register of Works.

4. In the case of contribution works, proposals should be submitted as to the disposal of the unexpended balance, if any.

5. When work has been executed for the Civil or Military Department, the countersignature of the Civil or Military authority concerned should be obtained to the form of certificate, Form No. 45 B. or 45 D., and the certificate should be attached to this monthly report.

SUPG. ENGINEER'S OFFICE
No. 215
P. W. D.
SECOND CIRCLE.

No $\frac{306 \text{ N}}{17\text{-}8\text{-}96}$

213 N.L.

Returned to the Executive Engineer Nellore Division for explanation as to the cause of excess over the two lots in the total outlay and for permission to this office for sanction of Government being obtained.

W. W. Baddeley
Major R.E.
Supg. Engineer II Circle

13-8-96

Returned vide No 2463 18-11-96

SUPG. ENGINEER'S OFFICE,
No.
23 NOV. 96
P. W. D.
SECOND CIRCLE.

A. G. P.—No. 246 P. W.—3-2-94—15,000.

P. W. D. Form No. 45 E. S.

Nellore DIVISION.

Monthly report of* *Works.*

Completed during the month of *July* **189***6***.**

Forwarded to the Examiner for verification as this Office No. dated 189 .

CHIEF ENGINEER FOR IRRIGATION
96
No. R 72

R 99 NL/96

Executive Engineer.

Transmitted to the Superintending Engineer, duly verified as this Office No. , dated 189 .

Examiner of Accounts.

Transmitted to for record as this Office No. dated 189 .

Superintending Engineer.

* Here enter works or repairs as the case may be.

Copy of letter No. $\frac{4107}{\text{Ver}}$ dated 8th November 1896.
from the Collector of Nellore to the Executive Engineer
Nellore Division.

In reply to your letter No. $\frac{633 \text{ N.}}{29\text{-}10\text{-}96}$, I have the
honor to state that of the total expenditure of ~
Rs 749-15-6, Rs 363-13-6 were actually paid previous
to the date of your reference of 1891, and the ~
remainder, Rs 386-2-0, subsequent to that date.
This latter amount belongs to two claims, one for
S. No. 257 A. of North Mopur for which Rs 32 was
awarded in August 1889 and the other for S. No.
250 of the same village for which Rs 354-2-0 was
awarded for trees, a well and a house, on
the 1st July 1891, separate compensation having
been settled for land in the shape of fresh lands
in exchange. Copies of these awards viz 241 of 89
and 122 of 1891 were as usual forwarded to you.
In verifying the figures furnished by you in 1891
under 'outlay anticipated' it was ascertained
that no case was pending settlement at the time
and therefore no amount was estimated under
'outlay anticipated'. The two cases already referred
to in which compensation had been settled, but
not paid for were not taken into account.

(True copy) R. W. H. Reid 18/11.

Executive Engineer
Nellore Division

BP
17/11/96.

Copy of letter No. 407/Rev dated 8th November 1896.
from the Collector of Nellore to the Executive Engineer
Nellore Division.

CHIEF ENGINEER
FOR IRRIGATION.
12 DEC 96
No. 99 N.L.

In reply to your letter No. 633 N. dated 29-10-96, I have the honour to state that of the total expenditure of Rs 949-15-6, Rs 363-13-6 were actually paid previous to the date of your reference of 1891, and the remainder Rs 586-2-0 subsequent to that date. This latter amount belongs to two classes, namely of Rs 257-4-0 for the [illegible] Rs 32 were sanctioned in August 1892 and the other [illegible] 258 of the same village for which Rs 334-2-0 was sanctioned for trees, a well and a house, on the 10th July 1895, the separate compensation having been settled for land in the [illegible] in exchange. Copies of these [illegible] 2419 of [illegible] to you. and 122 of 1895 [illegible] in 1891 In noticing the figures [illegible] certain under outlay anticipated [illegible] that no [illegible] pending settlement at the time and therefore the amount was not intimated under outlay anticipated. The two cases above referred to in which compensation had been settled, but not paid for were not [illegible]

SUPG. ENGINEER'S OFFICE
No. [illegible]
23 NOV 96
P.W.D.
SECOND CIRCLE

P.W.E.-3 [illegible]

Letter from R. N. H. Reid Esquire Executive Engineer Nellore Division, to the Supg: Engineer, 2nd Circle, d/ 18th November 96 No 246 S.E.

I returning herewith the Completion Report received with your endorsement no 403 N.L. d/ 3.10.96 on Irrigation Chief Engineer's no II/57 N.L. d/ 19th September 1896 I have the honour to offer the following explanation.

Item 21. Allur Channel. A Copy of Collector's No. 407/Rev d/ 8.11.96 is enclosed from which it will be seen that certain dues were omitted to be intimated to this office under outlay anticipated and hence the excess.

Item 22. Means of irrigation and means of communication to certain fields of Umamaheswarapuram Shrotriem were cut off by the excavation of Ulavapalla Branch Channel in Fasli 1297 or 1887. A long correspondence took place between the Revenue Dept. and the D.P.W. audit at last ended in the restoration of means of irrigation in 1892 and means of communication in 1894. Loss of produce &c had

had to be paid for 6 years at the rate of 120 a year. The above were not foreseen at the time of making the original estimate which only provided for land to be taken for the works and not for loss of produce and means of communication cut off.

Hence the excess

CHIEF ENGINEER
FOR IRRIGATION.
[illegible] 96
No. 99 N.L.

No. 519 N.L.
24.11.96

Exq
6p

Forwarded to the Chief Engineer for Irrigation with reference to his no II/57 N.L. d/ 19.9.96.

W. W. Baddeley
Major R.E.
Supg. Engr. II Circle

W.

Pd. E.4 11/12/96

Public Works (1896) Department.

CURRENT No.

Order

From The Chief Engineer for Irrign

No. 57 N.L.

Dated 19: September 1896

Received

Enclosures

Spare copies

SUBJECT.

Allur Channel and Ulavapaka branch minor channels. Remarks on the excesses entered in the Comp. Report on the — and requests explanation on the points which necessitated the excess outlay

BACK PAPERS.

No.	Date.
881 I	28-10-92

FURTHER PAPERS.

No.	Date.

Memo No II
57 N.L. d/19-5-86

With reference to letter No 369 W.k., dd 14th inst. from the Supg Engr. II Circle, the undersigned has the honour to observe that the meagre explanation afforded by the E.E. is not likely to induce the Govt to sanction the excess on the two works entered in the completion report therewith forwarded.

2. From item 277 of the statement embodied in P.W.Dy No. 881. I. of 28 Oct/92, it is observed that the sanctioned provision of Rs 950 for the first

R 75 M/96

item was reduced to Rs 342. As this statement was compiled from information furnished by the Collector of Nellore the necessity for the subsequent payment of Rs 397 should be reported.

3. With regard to the excess on the second item, it should be stated whether the Rev Dept was consulted in accordance with para 22, Chapter IX Vol I, P.W.D. Code, in framing the estimate & the circumstances which necessitated the payment of the large amount of Rs 721 for compensation for loss of produce should be fully explained.

18/9

P.W. Ei/11441/96

To the Supdg Engr II

1819 B

Public Works (189) Department.

CURRENT No.

Order

From

The Supdg Engr
II circle

No. 369 N.L.

Dated 14 September 1896

Received 16-9-96

Enclosures,

Spare copies

SUBJECT.

Allur channel and Ulava-palla branch minors channel 3m, 396 ft L.S.— Completion report for land compensation for — Forwards with remarks a copy of —

P. W. 19
1,000—5-8-96.

II Circle

BACK PAPERS.

G.O.	No.	Department.	Date.
Receipt	75 NL	NL	14 9 96
Issue	57	NL	19. 9 96
Receipt	99 NL	NL	24 11 96
G O	881	I	28 10 92

FURTHER PAPERS.

Receipt ~~G.O.~~ or Issue.	No.	~~Department~~.	Date.
I	II 57	NL	19-9-96.
R	99	NL	24-11-96

2P

Superintending Engineer's Office.
Bezwada

No. 369 NL

II CIRCLE,

Dated 14 September 1896.

From,

Major W. L. C. Baddeley RE ~~Esquire~~,
Superintending Engineer,
II Circle.

To,

The Chief Engineer,
For Irrigation.

Enclosure/
C. Report.

Sir,

I have the honor to forward herewith a copy of completion report for land compensation for Alluru channel and Mavapallu branch minor channel 3 miles, 396 feet Left Bank, and to request that you will be so good as to obtain the sanction of Government to the excess outlay over estimates being admitted by the Examiner P. W. Accounts.

I have the honor to be,
Sir,
Your most obedt Servt
M Loam
13.9.96
Executive Engineer,
for Superintending Engr
II Circle

JM
1

From,

The Superintending Engineer,

II Circle.

To.

The

Dated

Received } 18

Enclosures.

NO.

SUBJECT.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

Read—the following papers :—

From J. W. MARTIN, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezváda, 1st September 1892, No. 326 N.L.

Adverting to para. 11 of your Inspection Notes printed with G.O., dated 24th March 1890, No 192 I., I have the honour to forward the estimates and plans noted on the margin for three masonry bridges over Allúr tank supply-channel, Sangam anicut system.

Iron rail bridges.

3 Plans.
1 Mounted plan.
1 Calculation sheet.
1 Report.
1 Specification.
3 Estimates with data sheets.
1 Copy of Executive Engineer's letter No. 122, dated 30th July 1892.

Alternative Designs.

Masonry bridges.

2 Tracings.
2 Estimates (detailed and abstract).
1 Abstract estimate.
—
16
—

2. In regard to the necessity for the bridges, the Executive Engineer observes in his report as follows: "The necessity for these bridges is owing to the Public Works Department having increased the depth of water in the channel to six feet, thus rendering it impassable for bandies for the greater part of the year."

3. The Executive Engineer submitted designs for bridges made with iron rails. The amount of his estimates for three bridges is Rs. 6,940 against Rs. 7,860 for three masonry bridges. I am forwarding his designs and estimates for your information.

4. The designs for the masonry bridges have been prepared by me as I do not approve of the Executive Engineer's designs. In the first place his plans do not provide sufficient waterway. The waterway of the channel at 1 mile 101 feet and 2 miles 3,140 feet is 294 square feet, and at 3½ miles it is 264 square feet, while his bridges provide for only 216 square feet each. In the second place, I do not approve of having a prop under the centre of the bridge as proposed by the Executive Engineer, for such an arrangement is very unsightly; and, in the third place, I do not approve of a wooden flooring 2 inches provided on the design for iron bridges.

5. My own opinion in regard to masonry *versus* iron bridges is that, whenever the site is suitable, it is better to provide a masonry bridge than an iron one, for practically it does not cost anything to maintain the former description, while the latter requires to be looked after and painted from time to time; and, moreover, a masonry bridge always looks better than an iron one. In the present case it seems to me that the sites are very suitable for masonry bridges; consequently I consider the bridges should be of this description and not iron ones.

From J. W. MARTIN, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezváda, 1st September 1892, No. 327 N.L.

I have the honour to bring to your notice that the Collector of Nellore has not yet furnished the information regarding the anticipated saving on the provision for land compensation, Sangam anicut system, called for in para. 4 of your memo. No. II/21 N.L., dated 29th June 1891.

2. Pending receipt of the above information, an estimate, amounting to Rupees 6,000, for a minor channel from Duvur canal, submitted by the Executive Engineer in December last, was kept back in this office.

3. The Executive Engineer now submits for sanction another estimate of Rs. 1,000 for minor branch channel from Kurlanadama tank supplied by a minor channel from the eastern channel, and proposes that the balance of Rs. 10,828 under tools and plant of Sangam anicut system may be transferred to *works* to meet the demands for the two works mentioned, as there is no probability of the balance available under tools and plant being utilized.

4. I have the honour to request that sanction of Government may be obtained for the necessary transfer of Rs. 10,828 from tools and plant to works, to provide for the above estimates and also for future requirements.

5. As the sum of Rs. 1,000 placed at my disposal in your memo. No. 18/II, dated 7th November 1888, under tools and plant has not yet been utilized, and as there is no probability of its being required, I request that this amount also may be transferred to *works*.

ENCLOSURES.

REPORT to accompany the plans and estimates for the improvement of the minor channel at 17 miles 2,168 feet, right bank, Eastern channel, Rs. 1,000.

The estimate provides for the improvement of the minor channel at 17 miles 2,168 feet, right bank, eastern channel, with a view to supplying the following areas with project water:—

	ACRES.
(*a*) Ayacut of Tunga tank of Utukur	642
(*b*) Bed of Tundala do.	144
(*c*) Ayacut of Tundala do.	464
(*d*) Do. Kurlanadama tank of Utukur	221
(*e*) Two pieces of land situated just above the bed of the Kodavandla tank of Utukur	99
Total ...	1,570

2. The minor channel is already provided with a head-sluice and discharges sufficient water for the above acreage. All that is necessary is that it should be widened to the needful extent and a new vent built.

3. The minor channel runs along an old varava or supply channel from the Maldevy drain, and at $\frac{3}{4}$ mile from its head there is on the right an existing vent which is large enough to supply the 608 acres which together constitute the bed and ayacut of the Tundala tank.

4. At 1 mile 1 furlong there is an existing drop which is 2 feet 3 inches wide which, with 2 feet on the crest, will discharge 21 cubic feet a second—a supply quite ample for 863 acres, the total of the ayacuts of the Kurlanadama and Tunga tanks.

5. Above this drop and regulator will be a vent which is designed to supply the 99 acres mentioned in para. 1 (*e*).

6. The 221 acres of the Kurlanadama tank ayacut will be supplied as at present, and the 642 acres of the ayacut of the Tunga tank will be irrigated by a channel taking off from the northern bund of the Kurlanadama tank where a suitable head-sluice will be built. This channel will run along the inner slope of the bund of the abandoned Kodavandla tank, pierce through this bund and then run along the outer slope of the southern bund of the Tunga tank, discharging over a drop where it leaves the Kodavandla tank bund. A vent will be built at 726 feet on the right bank of the channel to supply 342 acres by means of an old irrigation channel.

7. The Kurlanadama tank was originally included in the list of tanks to be abandoned, but owing to the conformation of the tank which, like so many tanks near the sea consists of a deep bed between two bunds, it would be difficult to take a channel in embankment across its bed and across the drainage of the country, and even if this were done the channel would be liable to frequent breaches and supply to over 800 acres would be cut off. It is therefore proposed to retain it and supply it with project water. The eastern channel has now its full ayacut to irrigate without the bed of this tank, and it may be allowed to be retained.

8. The yearly revenue is estimated thus—

	RS.
Delta cess on 642 acres of the ayacut of the Tunga tank at Re. 1 per acre	642
Delta cess on 221 acres of the ayacut of the Kurlanadama tank at Re. 1 per acre	221
Delta cess on 99 acres in the upper part of the Kodavandla vagu tank bed at Re. 1 per acre	99
Delta cess on 464 acres of the ayacut of the Tundala tank at Re. 1 per acre	464
Revenue kist and delta cess on 144 acres of bed of Tundala tank at Rs. 5 and Re. 1 per acre, respectively	864
Five per cent. on the auction value of 144 acres of the bed of the Tundala tank, taking the price as low as Rs. 20 per acre, *i.e.*, 5 per cent. on (20 × 144) Rs. or Rs. 2,880	144
Total ...	2,434

9. Provision has been made for demarcation and for compensation for the land required for the channels.

1st August 1892. (Signed) C. H. D. MARJORIBANKS,
Executive Engineer.

D.P.W. II CIRCLE.

REPORT to accompany the plans and estimates for the minor channel, 2 miles 930 feet, right bank of Duvur Canal.

	RS.
Amount of estimate	6,000

This estimate provides for the irrigation of some 730 acres of land in the village of Padamatipalem which, before the excavation of the Sangam delta project, were irrigated from the old Duvur channel, now called the Duvur canal. This canal takes off above the Kanigiri main canal on the left bank of the Pennér.

2. The lands in question were irrigated by a channel which took off at 2 miles 930 feet of the Duvur canal just above a regulator dam which was fitted with cast iron standards and planks. This regulator was dismantled. When the Kanigiri main canal was excavated it cut right across the Padamatipalem channel. It was proposed to irrigate the ayacut of the latter channel from the Duvur branch channel which takes off from the right bank of the Kanigiri main canal. It was found, however, that the lands in question were too high to be irrigated from the said branch channel, and hence, ever since the supply was interrupted, the 730 acres it is proposed to irrigate were either left uncultivated or sown with dry crops, the difference between the dry and wet rate, about Rs. 3,000, being remitted every year.

3. The supply to these lands can be restored by means of the present proposals, viz., to restore the regulator across the Duvur canal, build a new head-sluice, take the channel under the Kanigiri main canal in a syphon culvert, drop it into the Gundaveram channel, and then take the channel across the Duvur branch channel in an (iron trough) aqueduct.

4. The works are as follows :—

(1) *Excavation of channel.*—This old channel is still in existence, but has silted up year by year since 1883. The ryots have given a written agreement (kyfiet) to clear it out on condition the masonry works are built by the Public Works Department. No estimate is therefore necessary.

(2) *Regulator across Duvur canal.*—This will be restored and fitted with wrought iron standards[*] and shutters. Water will be held up to a height $5\frac{1}{2}$ feet sufficient to ensure a proper head in front of the head-sluice of the channel.

(3) *The head-sluice.*—The old head-sluice is quite unsuitable and is in a ruined condition. The new head-sluice has been designed to discharge the quantity required, viz., 19 cubic feet a second with a head of 6 inches.

(4) Road-tunnels to carry the Dornal road and a small branch road leading to the Turnavaya chattram.

(5) *Syphon culvert under the Kanigiri main canal.*—The culvert will be 3 feet wide, $1\frac{3}{4}$ feet to springing of arch, which is semi-circular; with a head of 0·16 it will discharge the quantity required, viz., 19 cubic feet.

---

[*] The wrought iron standards are not strong enough. It will be better to have needle shutters with a central masonry pillar.
3rd Dec. 1891. (Intld.) J. H.

(6) *Aqueduct across the Durur branch channel.*—This has been designed as an iron trough supported on piers and discharging the quantity required, viz., 19 cubic feet. Sufficient waterway has been left for the channel below.

5. The return will be Rs. 730 (the delta cess being a rupee an acre). This on the total cost of Rs. 6,000 is a return of 12 per cent. Of course this return is simply that which will be credited to the project. The land revenue will benefit by four times that amount. Even if only half the acreage is on the average cultivation, it would be expedient to carry out the works proposed since the source of supply to the lands in question was cut off by the action of the department. Early sanction is solicited from the funds for next year (1892–93). The syphon culvert should be commenced in January so as to have it finished before the commencement of next irrigation season, and prevent any delay in passing water to the Kanigiri reservoir.

(Signed) H. H. O'CONNELL,
Executive Engineer, Nellore division.

From J. W. MARTIN, Esq., Superintending Engineer, II Circle, to the Chief Engineer for Irrigation, dated Bezváda, 19th September 1892, No. 382 N.L.

With reference to your memo. No. II/47 N.L. of the 6th July 1892, and in continuation of my letter No. 327 N.L., dated 1st September 1892, I have the honour to forward herewith a statement of savings from provision for land compensation of Sangam anicut system, compiled from information furnished by the Collector of Nellore.

2. The statement shows a net saving of Rs. 22,056 under "B. land," which the Collector states is due to the substitution of "land" compensation for "money" in as many cases as were possible.

3. To this may be added the following sums :—

RS.	
1,000	Surrendered by me from tools and plant of the Sangam anicut system—*vide* para. 5 of my letter quoted above.
10,828	Balance now remaining at disposal of Government under tools and plant of the same system without any probability of its ever being utilized as previously reported in para. 4 of the same letter.
11,828	Total.

4. These surrenders will increase the provision for future requirements under "works" of the Sangan anicut system by Rs. 27,548, as will be seen from the following statement, which gives the original sanctioned estimate amounts and the revised amounts of estimates as now proposed under the different heads of the above system :—

Sangam project estimate.

Details.	Original sanction.	Surrender as now proposed.	Addition as now proposed.	Total as now proposed.
	B. LAND.			
	RS.	RS.	RS.	RS.
Works	24,50,000	— 22,056	+ 27,548	24,55,492
Establishment	4,85,000	..	+ 6,336	4,91,336
Tools and plant ..	1,29,830	— 10,828 — 1,000	..	1,18,002
Loss by exchange ..	170	..	..	170
Total ..	30,65,000	— 33,884	+ 33,884	30,65,000

5. From the sum now made available, I have the honour to request that a sum of Rs. 2,000 may be placed at my disposal to meet the requirements for unforeseen minor works, estimates for some of which are now in hand to the extent of Rs. 1,000.

ENCLOSURE.

STATEMENT showing probable savings on land compensation of the Sangam Project.

Item number in G.O., No. 195 I., dated 25th March 1890.	Name of work.	Estimate amount.	OUTLAY		Total.	Difference.	Remarks by Collector.
			Up to date.	Anticipated.			
1	2	3	4	5	6	7	8
		RS.	RS.	RS.	RS.	RS.	
17	Compensation for Kanigiri reservoir	2,46,440	2,37,087	2,903	2,39,990	6,450	
	Eastern channel—						
41	Compensation for land, 1–6 miles	934	461	..	461	473	
42	Compensation for land, 2nd section	2,863	2,890	..	2,890	— 27	
43	Compensation for land, 3rd section	4,482	859	410	1,269	3,213	
	Minor channel, 1 mile—						
92	Compensation for land ..	50	..	..	..	50	
	Minor channel, 1 mile 3,564 feet—						
95	Compensation for land ..	7	7	Completed	7	..	
	Minor channel at 3 miles, 396 feet, left bank—						
98	Compensation for land ..	15	..	10	10	5	
	Minor channel at 3 miles, 3,960 feet, right bank—						
108	Compensation for land ..	766	369	..	369	397	
	Branch channel from minor channel, 3 miles, 3,960 feet, right bank—						
124	Compensation for land ..	146	..	..	..	146	
	Branch channel from minor channel, 7th sluice (4 miles, 4,290 feet)—						
137	Compensation for land ..	316	..	..	..	316	
	Minor channel, 5 miles 200 feet, right bank—						
139	Compensation for land ..	124	30	..	30	94	
	Minor channel, 5 miles, 200 feet, left bank—						
143	Compensation for land ..	143	65	..	65	78	
	Minor channel, 6 miles 410 feet, left bank—						
147	Compensation for land ..	257	9	..	9	248	
	Minor channel, 9 miles 858 feet, right bank—						
153	Compensation for land ..	356	27	300	327	29	
	Minor channel, 10 miles 5,050 feet, right bank—						
163	Compensation for land ..	27	4	..	4	23	
	Branch channel at 68 feet—						
168	Compensation for land ..	127	4	..	4	123	
	Minor channel, 10 miles 5,050 feet, left bank—						
171	Compensation for land ..	430	10	..	10	420	
	Dampur tank bed, minor channel—						
176	Compensation for land ..	380	213	30	243	137	Difference since paid.
	Minor channel, 13 miles, left bank—						
191	Compensation for land ..	714	122	..	122	592	Do.
	Vavilla tank supply channel, 14 miles 1,893 feet, left bank—						
195	Compensation for land ..	244	110	..	110	134	
	Minor channel, 15 miles 1,320 feet, left bank—						
201	Compensation for land ..	710	215	..	215	495	
	Escape channel, 15 miles 2,960 feet—						
206	Compensation for land ..	71	40	31	71	..	Difference since paid
	Dandigunta minor channel, 16 miles 2,168 feet, left bank—						
209	Compensation for land ..	1,336	66	..	66	1,270	No amount required as fresh lands had been granted.
	Varini tank supply channel, 17 miles 1,320 feet, left bank—						
219	Compensation for land ..	283	..	283	283	..	
220	Varini tank compensation ..	1,859	6	200	206	1,653	No details given in the list and therefore no forecast can be made.
	Minor channel, 19 miles, right bank—						
232	Compensation for land ..	163	2	2	4	159	
	Branch channel from the above—						
236	Compensation for land ..	31	..	..	..	31	
	Minor channel from sluice, No. 1—						
248	Compensation for land ..	31	..	..	..	31	

Statement showing the probable savings on land compensation of the Sangam Project—*cont.*

Item number in G.O., No. 195 I., dated 25th March 1890.	Name of work.	Estimate amount.	OUTLAY		Total.	Difference.	Remarks by Collector.
			Up to date.	Anticipated.			
1	2	3	4	5	6	7	8
		RS.	RS.	RS.	RS.	RS.	
250	Minor channel from sluice, No. 2— Compensation for land	50	..	..	..	50	
252	Minor channel from sluice No. 3— Compensation for land	16	..	..	..	16	
255	Varini branch channel— Compensation for land	236	363	32	395	— 159	Difference since paid.
269	Minor channel from Vidavalur tank along right bank, eastern channel— Compensation for land	1,378	37	556	593	785	Difference since paid.
277	Allúr channel— Compensation for land	950	346	..	342	608	
288	Purini tank supply channel— Compensation for land	190	5	2	7	183	
296	Zuvvaladinne branch channel— Compensation for land	1,013	755	..	755	258	
306	Minor channel, 1,320 feet, right bank— Compensation for land	18	20	..	20	— 2	
308	Branch channel, 1 mile 132 feet, right bank— Compensation for land	5	6	..	6	— 1	
311	Minor channel, 1 mile 1,650 feet, left bank— Compensation for land	27	14	..	14	13	
314	Minor channel, 1 mile 1,980 feet— Compensation for land	22	13	9	22	..	
316	Minor channel, 2 miles 4,960 feet, right bank— Compensation for land	104	..	104	104	..	
319	Minor channel, 3 miles 3,960 feet, right bank— Compensation for land	60	40	..	40	20	
322	Iskópalle branch channel— Compensation for land	225	15	..	15	210	
333	Minor channel, 1,320 feet, right bank— Compensation for land	51	..	..	..	51	
336	Minor channel, 1 mile, left bank— Compensation for land	12	..	..	..	12	
339	Minor channel, 1 mile 3,096 feet, right bank— Compensation for land	43	..	43	43	..	Difference since paid.
346	Ramannah branch channel— Compensation for land	82	68	..	68	14	
352	Gogulapalli branch channel— Compensation for land	463	250	..	250	213	
359	Minor branch channel from left bank of minor channel at 3,520 feet, right bank— Compensation for land	25	..	25	25	..	
364	Minor channel, 3,960 feet, left bank— Compensation for land	196	1	..	1	195	
369	Minor channel at 1½ miles, right bank— Compensation for land	66	1	15	16	50	
372	Minor channel at 1 mile 4,740 feet, left bank— Compensation for land	132	..	45	45	87	
375	Minor channel at end of extension— Compensation for land	59	..	..	..	59	
379	Ulavapalla branch channel— Compensation for land	840	203	..	203	637	
393	Allúr branch channel— Compensation for land	267	284	..	284	— 17	
416	Minor channel, ¼ mile, right bank— Compensation for land	74	74	Completed.	74	..	
400	Central channel— Compensation for land	1,300	1,028	50	1,078	222	
420	Minor channel, ¼ mile, left bank— Compensation for land	72	62	..	62	10	
425	Minor channel, 1 mile, right bank— Compensation for land	234	241	..	241	— 7	
429	Minor channel, 1 mile, left bank— Compensation for land	165	123	..	123	42	
438	Minor channel, 3 miles, right bank— Compensation for land	477	366	..	366	111	

Statement showing the probable savings on land compensation of the Sangam Project—*cont.*

Item number in G.O., No. 195 I., dated 25th March 1890.	Name of work.	Estimate amount.	OUTLAY		Total	Difference.	Remarks by Collector.
			Up to date.	Anticipated.			
1	2	3	4	5	6	7	8
		RS.	RS.	RS.	RS.	RS.	
441	Minor channel, 3 miles, left bank— Compensation for land	268	186	..	186	82	
445	Minor channel 4 miles, right bank— Compensation for land	281	120	53	173	108	Difference since paid.
452	Minor channel, 5 miles, right bank— Compensation for land	60	50	..	50	10	
455	Branch channel, 812 of above— Compensation for land	200	..	42	42	158	
457	Minor channel, 5 miles, left bank— Compensation for land	20	14	..	14	6	
461	Minor channel, 6 miles, right bank— Compensation for land	80	38	25	63	17	
464	Branch channel, 6 miles, right bank— Compensation for land	10	..	..	..	10	
466	Minor channel, 6 miles, left bank— Compensation for land	394	116	50	166	228	Difference since paid.
470	Branch channel, from 6 miles left bank— Compensation for land	164	..	164	164	..	
478	Southern channel— Compensation for land, 1–14 mile.	5,133	5,095	38	5,133	..	
479	Compensation for land, 14th mile to end.	5,095	4,953	115	5,068	27	Difference since paid.
529	Branch channel at 1,379 feet— Compensation for land	574	33	92	125	449	Since paid.
534	Branch minor channel at 2¼ miles— Compensation for land	514	93	421	514	..	
550	Branch channel, 3,465 feet from minor channel, 5 miles 186 feet, left bank— Compensation for land	128	1	227	228	– 100	
554	Minor channel, 6 miles 2,399 feet, right bank. Compensation for land	193	64	129	193	..	
559	Branch channel, 716 feet of the above— Compensation for land	301	297	..	297	4	
570	Branch channel, 7 miles 4,884 feet, left bank, minor channel— Compensation for land	443	318	50	368	75	
587	Minor, channel, 10 miles 1,728 feet, right bank— Compensation for land	559	605	102	707	— 148	Difference since paid.
597	Minor channel, 11 miles 885 feet, left bank— Compensation for land	810	815	86	901	— 91	Do.
608	Branch channel, 2 miles 1,020 feet from the above— Compensation for land	338	767	..	767	— 429	
612	Minor channel, 13 miles 3,300 feet, left bank, Vegur tank, supply channel— Compensation for land	17	..	..	..	17	
616	Channel from Vegur tank to supply Modigunta lands— Compensation for land	210	28	20	48	162	
639	Branch from 1 mile 4,596 feet from the minor channel, 14 miles 2,647 feet, left bank— Compensation for land	65	..	25	25	40	
644	Minor channel, 16 miles 3,200 feet, left bank— Compensation for land	687	352	23	375	312	
652	Minor channel at 203,400 feet, left bank— Compensation for land	150	53	24	77	73	Difference since paid.
659	Duvur branch channel— Compensation for land	472	468	..	468	4	
679	Duvur branch channel extension— Compensation for land	156	63	93	156	..	
690	Siddipuram low level distributary, 2,308 feet— Compensation for land	33	17	Complete	17	16	

Statement showing the probable savings on land compensation of the Sangam Project—*cont.*

Item number in G.O., No. 195 I., dated 25th March 1890.	Name of work.	Estimate amount.	Outlay Up to date.	Outlay Anticipated.	Total.	Difference.	Remarks by Collector.
1	2	3	4	5	6	7	8
		RS.	RS.	RS.	RS.	RS.	
698	Siddipuram high level distributary, 2 miles 4,870 feet— Compensation for land ..	36	4	..	4	32	
704	Duvur distributary, 3 miles 435 feet— Compensation for land ..	12	11	..	11	1	
709	Annareddipollem distributary. 4 miles 257 feet— Compensation for land ..	11	11	..	11	..	
720	Minor channel, 5 miles 2,592 feet— Compensation for land ..	53	7	3	10	43	
723	Branch channel from minor channel, 5 miles 2,592 feet— Compensation for land ..	4	4	..	4	..	
726	Minor channel, 6 miles 3,302 feet— Compensation for land ..	15	9	6	15	..	
	(4) *Drainage and Protective Works.*						
733	Eastern channel, drainage channel, 6 miles 330 feet— Compensation for land ..	286	271	..	271	15	
735	Drainage channel, 9 miles 3,300 feet— Compensation for land ..	70	69	..	69	1	
740	Kadanuthala and Zuvvaladinne embankment— Compensation for land ..	205	94	..	94	111	
744	Drainage channel, 14 miles 1,703 feet— Compensation for land ..	462	174	250	424	38	
748	Southern channel, Moidevi drain— Compensation for land ..	158	12	100	112	46	
751	Challiapollem drainage channel— Compensation for land ..	600	451	..	451	149	
756	Drain, 13 miles 1,368 feet— Compensation for land ..	25	3	..	3	22	
762	Improving Vegur channel, right bank— Compensation for land ..	695	695	Completed.	695	..	
768	Duvur branch channel drainage channel from Annareddipollem tank to Kovur channel— Compensation for land ..	8	8	..	8	..	
..	Eastern channel— Compensation for land ..	394	..	86	86	308	Since paid.
..	Indupur tank minor channel— Compensation for land ..	450	133	..	133	317	
..	Allur channel, minor channel, 4 miles 330 feet, left bank— Compensation for land ..	232	443	50	493	— 261	
..	Ulavapalla branch channel, minor channel, 3 miles 2,706 feet, left bank— Compensation for land ..	20	..	..	..	20	
..	Eastern channel, minor channel, 15 miles 1,320 feet, left bank, branch minor channel, 1 mile 2,640 feet, left bank— Compensation for land ..	175	8	167	175	..	
..	Southern channel, minor channel, 14 miles 2,647 feet, left bank, minor branch channel, 10 feet, right bank, sub-branch channel, 2,640 feet, left bank— Compensation for land ..	60	..	60	60	..	
..	Minor branch channel, 4,000 feet, right bank— Compensation for land ..	360	..	360	360	..	No details given and no forecast can be made.
	Total ..	..	..	..	..	22,072	

Note.—The Collector states that "the large savings are due to land compensation having been substituted for money in as many cases as possible."

NELLORE,
31st August 1892.

(Signed) C. H. D. MARJORIBANKS,
Executive Engineer.

Office-note from the Examiner, P. W. Accounts, dated 13th Oct. 1892, No. 1379 C.

No. 173 I.

Submitted to Government.

2. Owing to the alterations made in columns 3 and 4 of the statement of savings made by the Examiner of Public Works Accounts, the savings in the provision for land compensation in the estimates for the Sangam anicut project have been increased from Rs. 22,056 to Rs. 22,072. The latter sum added to the balance available for unforeseen works of the project will make a total of Rs. 22,388. From this sum the following estimates are recommended for sanction :—

	RS.
Allúr tank supply channel—	
Three masonry bridges	7,860
Duvur canal—	
Minor channel, 2 miles 930 feet, right bank	6,000
Kanigiri tank, eastern channel—	
Minor channel at 17 miles 2,168 feet, right bank	1,000
Total ...	~~15,860~~ 14,860 Vide G.O. No. 1020 dd/2-12-92

Rs. 2,000 may be placed at the Superintending Engineer's disposal to meet sanctions for minor channels which may be accorded by him subsequently. The balance available for unforeseen works will then be Rs. ~~4,528.~~ 5528 Vide G.O. No. 1020 dd/2-12-92

3. As the provision in the project estimates for tools and plant charges exceeds the requirements, the balance may be diverted for expenditure on works. It is therefore suggested that the sanction of the Government of India be applied for to the following re-distribution, by departmental heads, of the existing sanction for direct charges of the project :—

	Existing sanction.	Re-distribution.
	RS.	RS.
Works	25,03,800	25,14,084
Establishment	4,96,086	4,96,362
Tools and plant	1,29,944	1,19,384
Loss by exchange	170	170
Total ...	31,30,000	31,30,000

If sanction be accorded to this re-distribution, the balance available for unforeseen works will be raised to Rs. 14,812.

OOTACAMUND, (Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
20th October 1892. Ag. Chief Engineer for Irrigation.

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

ORDER—dated 28th October 1892, No. 881 I., Public Works.

From the savings of Rs. 22,072 in the provision for land compensation in the estimates for the Sangam anicut project Rs. 2,000 are placed at the disposal of the

Superintending Engineer, II Circle, and the following estimates are sanctioned, the balance being credited to the lump sum available for unforeseen works :—

Capital Expenditure not charged to Revenue.
49. Irrigation.
Sangam Anicut Project.
I. Works.
(3) Distributaries.
Allúr tank supply channel.

	RS.
C. Works—	
1. Constructing a bridge at 1 mile 100 feet	2,430
2. Do. do. 2 miles 3,140 feet	2,700
3. Do. do. 3½ miles	2,730
Total ...	7,860

Eastern channel, minor channel, 17 miles 2,168 feet, right bank.

	RS.	RS.	
C. Works—			
4. Vent at 1 mile 660 feet, left bank		60	
		—	60
L. Earthwork—			
5. Excavation		45	
		—	45
Total ...			105

Minor branch channel from Kurlanadama tank of Utukur.

	RS.	RS.	
B. Land—			
6. Compensation for land	20		
	—	20	
C. Works—			
7. Head-sluice	260		
8. Vent at 726 feet, right bank	110		
9. Drop at 2,640 feet	180		
	—	550	
L. Earthwork—			
10. Excavation and banking	280		
	—	280	
O. Miscellaneous—			
11. Demarcation stones	45		
	—	45	
		—	895
Total, Eastern channel ...			1,000

Duvur canal.
Minor channel, 2 miles 930 feet, right bank.

	RS.	RS.
C. Works—		
12. Providing shutters to regulator in Duvur canal ...	380	
13. Constructing head-sluice at 0 mile 0 foot	390	
14. Do. a road culvert at 0 mile 1,080 feet ...	210	
15. Do. do. at 0 mile 2,506 feet ...	260	
16. Do. a syphon culvert at 0 mile 2,840 feet ...	3,540	
17. Do. an iron aqueduct at 0 mile 4,718 feet ...	1,220	
	—	6,000
Grand Total ...		14,860

2. This sanction is registered as No. 124 I. of 1892-93.

3. Ordered that a copy of these Proceedings be forwarded to the Government of India with a request that the re-distribution, by departmental heads, of the existing sanction for direct charges of the project, as proposed by the Chief Engineer for Irrigation, may be sanctioned.

(Here enter No. 882 I., Public Works, dated 28th October 1892.)

(True Extract.)

(Signed) R. R. E. DRAKE-BROCKMAN, Lt.-Col., R.E.,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer for Irrigation.
" Superintending Engineer, II Circle.
" Examiner, Public Works Accounts.
" Revenue Department.
Editors' Table.

Exd. A. D. Xavier.
Spare Copies

IRRIGATION.
ACCOUNT.

Gobt. of {1892} Madras.
PUBLIC WORKS.

10669

Dated October, 28th.

18669

Recd. *Encl.*

G.O., 28th Oct. 1892, No. 881 I.

10

OCTOBER.

Sangam Anicut Project

Estimates, aggregating Rs. 14,860, for certain works in connection with the —, sanctioned with remarks, and a copy of these Proceedings ordered to be forwarded to the Government of India.

Public Works (1896) Department.

G.O., No. 1068 I
A

DATED 18 December

[Despatch Abstract.]

Schedule of Demands. Telegram to the Govt of India furnishing the totals under major heads in the — for Irrigation works for 1897-98.

T.C. 19/12.

[P.W. 25. 5,000—30-11-96.]

Indexed. 2/1/97

BACK PAPERS.

No.	Date.
1051-52 I.	15-12-96.

FURTHER PAPERS.

No.	Date.

INDIAN TELEGRAPH.

Monthly Local No. 218

Station From: Calcutta

Official Instruction.

Madras Triplicane

Day. 17 Hour. 14 Minute. 56

Words 3 3

From (Person) Works

Madras Works

144 ag approof

My telegram of

Caissons

caissons

anserine

15th instant

schedule of Demands - 2

Irrigation works wire

urgent

total under major heads

"Cas 11417

Sent to Office

on 16.12.96

TRIPLICANE 17 DE. 96

L. N.

Sent to At Hrs. Mts. By Postmaster.

L. N.

Recd. from At Hrs. Mts. By

Date