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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

JWD. DEPARTMENT

G.O. No.	2840.	Press.
B.P. No.		Mis.
Dated	14. 11. 1884	198.

Chinnarasu
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(12 laminated)

14TH NOVEMBER 1884, No. 2840 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

General.
Establishment.

READ—the following letter from Lieutenant-Colonel H. M. VIBART, R.E., Superintending Engineer, III Circle, to the Chief Engineer for Irrigation, dated Gooramcondah, 31st October 1884, No. 1510:—

With reference to G.O., No. 440 I., dated 1st May 1884, I have the honor to report that four additional signallers, on a salary of Rs. 15 each, have been entertained for the Kurnool canal telegraph from the month of June 1884; but the Examiner, Public Works Accounts, objects to pass their pay, and states that further orders of Government should be obtained as to the proposed rate of pay and as to the source from which the cost is to be met.

2. I therefore request that further instructions may be given to the Examiner to enable him to pass the charges.

Endorsement on the above.

No. 94 E.W.

Forwarded to the Chief Engineer, Public Works Department, with a request that sanction to the entertainment of four signallers, on Rs. 15 per mensem, from June 1884, for the telegraph line along the Kurnool canal, may be formally given and funds allotted.

CHEPÂK,
6th November 1884.

(Signed) A. S. RUSSELL,
for Chief Engineer for Irrigation.

ORDER—dated 14th November 1884, No. 2840 W., Public Works.

The entertainment of four additional signallers from June 1884, on Rs. 15 each per mensem, for employment on the telegraph line along the Kurnool canal, is sanctioned as recommended by the Chief Engineer for Irrigation.

2. The pay of the signallers will be adjusted against the budget provision for establishment.

3. This sanction has been registered as Provincial No. 67 W. of 1884-85, and classified as Establishment, Permanent.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Superintending Engineer, III Circle.
" Examiner, Public Works Accounts.

Exd. A. Grubert.
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3. Looking to the fact that much of the past expenditure incurred on the telegraph line was of little use (*vide* paragraph 62 of the monograph printed with G.O., No. 455 I., dated 10th June 1882) and that much remains to be done to make the line really efficient, the Government resolve to accept the terms offered, and the following telegram will accordingly be despatched to the Government of India:—

“Your letter, No. 46 I., dated 7th instant. Proposals of Director-General, Telegraphs, accepted.”

(True Extract.)

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

To the Chief Engineer for Irrigation.
” Chief Superintendent of Telegraphs, Madras Division.
” Superintending Engineer, III Circle.
” Examiner, Public Works Accounts.

Exd. E. Fernandez.
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3

IRRIGATION.
ACCOUNT.

Govt. of 1884 Madras.

PUBLIC WORKS.

Dated February, 16th.

Recd.

Encl.

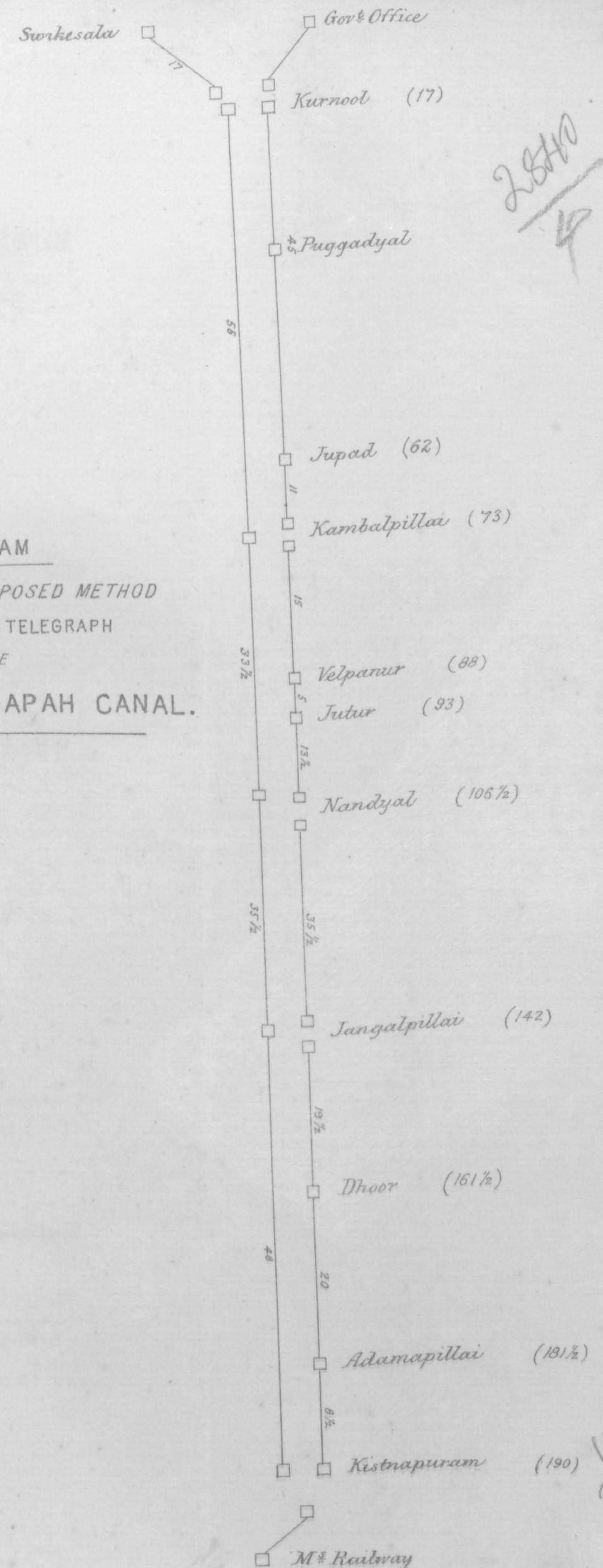
G.O., 16th Feb. 1884, No. 199 I.

FEBRUARY.

Kurnool-Cuddapah Telegraph
Line

The proposal of the Director-General of Telegraphs, that the property of the whole of the telegraph plant on the — should be vested in the Telegraph Department as suggested by him, accepted.

DIAGRAM
ILLUSTRATING PROPOSED METHOD
OF WORKING THE TELEGRAPH
ON THE
KURNOOL-CUDDAPAH CANAL.



1ST MAY 1884, No. 439 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Establishment.

READ—the following letter from P. V. LUKE, Esq., Chief Superintendent, Government Telegraphs, Madras Division, to the Joint Secretary to Government, Public Works Department, Irrigation Branch, dated Madras, 7th March 1884, No. 7463 :—

With reference to G.O., No. 52 I., dated 19th January, I have the honor to submit proposals for working the Kurnool canal telegraph, based on information given me by the Executive Engineer in charge, with an estimate of the cost for rent and maintenance of instruments and batteries.

2. The diagram attached shows how the circuits should be arranged with offices at
Kistnapuram, Jangalpillai, Velpanūr, Puggadyal,
Adamapillai, Nandyāl, Kambalpillai, Kurnool,
Dhoor, Jutūr, Júpád, Sunkesela,
twelve in all, the Kurnool office being connected by wire with the Government office, and the Engineer's bungalow at Kistnapuram with the railway station.

3. The estimate of the cost of this system is, per annum :—

	RS.	A.	P.
Charge for technical management, supply of battery material, &c., for 12 offices, at Rs. 220 each ...	2,640	0	0
Rent charge for 23 instruments at Rs. 8-4-0 each ...	189	12	0
Total ...	2,829	12	0

4. None of the instruments, either in stock at Kurnool or now in use on the line, can be considered fit for the perfect working of the completed system. Most of them are of obsolete pattern, and nearly all are in a bad state of repair. It will be possible, however, to retain the best of the needle instruments to work two of the local circuits for the present, until such time as the full supply of Morse instruments can be obtained and signallers trained to work them, but they must all be gradually replaced before thorough efficiency is attained.

5. A list of the instruments, &c., in stock at Kurnool accompanies this letter, and I recommend that as, with the exceptions noted, they are quite useless for the purposes of the canal, they be sent down to Madras as soon as the canal re-opens, and sold to the best advantage, the battery material marked and a few other items being retained for use on the lines.

6. The rooms in which the offices are located, or are to be in the future, require certain fittings, viz., a table with cupboard to hold the battery, bracket for lightning discharger, battens for leading wires round the walls, for which I shall be glad to furnish sketches and detailed information, with a view to their being made in the canal workshops. I noticed that the rooms in which the telegraph instruments were placed had, in some cases, no floors down. As it is essential that the instruments should be kept as free from dust and dirt as possible this want should be supplied.

7. In the matter of signallers, allowing two each for Kurnool, Nandyál, and Kistnapuram, the most important places, and one each for the other offices, the number required will be fifteen, with none spare in case of sickness, leave or other emergency. The present sanction is for eleven signallers, of whom ten are actually employed, two of them being acquainted with Morse, the rest knowing only the needle instrument signalling. My recommendation is that the sanction be raised to fifteen, and that the five additional men required be taken on after being duly trained in Morse signalling under the conditions named in my No. 5991, dated 18th January, to your address. These five men can then be put to work at offices where the "through" wire comes in, and the men now at work can be given leave one by one, or as opportunity offers, and sent to a training class to be taught. By this means all the signallers will gradually acquire a knowledge of Morse, but it will take at least a year before all are qualified. If this suggestion is approved, I can arrange to train men in the training class now at work in Madras.

8. Owing to the late commencement of the reconstruction of the line (sanction was not received till January) and the closing of the canal, I regret it will not be possible to complete the work until after the canal has reopened. At the Kurnool end there is no road near the canal, and without water-carriage it would be most expensive to move the material. The heat too is excessive just now, and subjects the staff employed to great exposure. I am, however, pushing on the work from the Cuddapah end and hope to finish into Jangalpillai before stopping entirely.

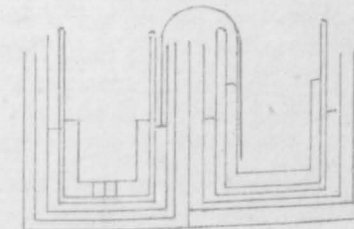
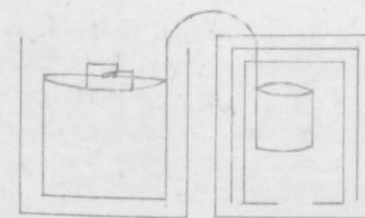
ENCLOSURE.

List of Telegraph Instruments in stock at Kurnool.

- | | |
|--|---|
| 4 Morse Embossing Instruments; incomplete; relays have been removed from all and handles from two; clock-work actuated by weights; appear to be reparable. | Cannot be used for the canal telegraph. Doubtful if worth while to repair them. |
| 3 Double-tongue Relays; apparently belong to Bright's bell telegraph apparatus; out of order. | Cannot be used for canal work. |
| 3 Clock-work bells (bells missing); out of order. | Would cost more to repair than they are worth. |
| *3 Single Needle Instruments by Reid Brothers of pattern now in use on line. | All want repairing. |
| *6 Tappers or Reversing Keys, Post Office pattern; reparable; all want cleaning and adjusting. | Same as in use now on line, can be used. |
| 1 Small Single Needle Instrument, complete with tappers; out of order. | Not worth repairing. |
| *2 Spare Dials for Single Needle Instruments; out of order. | Reparable. |
| 4 Vertical Galvanoscopes; out of order | Not worth repairing. |
| 6 Small Electro-Magnetic Bells, which appear to have belonged to Bright's bell instruments; out of order. | Not worth repairing. |
| 1 S. T. D. Switch | Requires repairing. |
| *17 Couplings for two wires; serviceable | Can be used. |
| *9 Terminal Binding Screws, butterfly pattern, belong to battery boxes. | Good. |
| 16 Lightning Dischargers, consisting of upper and lower plates of cast iron not grooved, and separated by a sheet of paper. | Useless and dangerous. |
| 2 Lightning Dischargers, Siemen's plate pattern, for two lines, plates not grooved. | Not worth keeping. |
| *15 Minotto Battery Jars | Good. |
| *11 Spare Needles for Single Needle Instruments. | Can be utilised for repair of instruments in use. |

Those marked with a * should be retained and the rest disposed of by auction or otherwise.

- *47 Boxes of 10 Cells, Daniell, without porous cells or zincs and coppers. Can be used quite well; porous cells required zincs and coppers can be made locally.
- 15 Boxes, each containing 20 Daniell Cells, each box $21\frac{1}{2} \times 17 \times 7$ —each copper is in form of a cup to hold the cuso⁴ crystals. No use for canal purposes.



- 2 Siemen's Step by Step Dial Instruments, Not worth repairing. old pattern; out of order.

ORDER—dated 1st May 1884, No. 439 I., Public Works.

The Government approve of the proposals submitted by the Chief Superintendent of Telegraphs for the future working of the Kurnool canal telegraph, and desire that the circuits be arranged accordingly.

2. In the Government orders marginally noted, the sum of Rs. 3,550 was fixed as the cost of the annual maintenance of the line by the Telegraph Department. Proceedings of Madras Government, No. 1018 I., of 10th December 1883. Adding to this amount, the charges for technical supervision, supply of instruments, &c., as now stated by the Chief Superintendent, the total annual sum to be paid to the Telegraph Department is Rs. 6,380, which amount, it is understood from the Chief Superintendent's letter and from the Director-General's letter communicated to this Government by the Chief Superintendent with his No. 5805, dated 10th January 1884, is the final lump sum charge to be borne annually by the canal, on account of all expenses connected with the maintenance, supervision, and supply of materials, &c., by the Telegraph Department.

3. It is observed from G.O., No. 199 I., dated 16th February 1884, that only the serviceable stores of the canal telegraph line have been taken over by the Telegraph Department. The Government therefore request that the Chief Superintendent of Telegraphs, in communication with the Superintending Engineer, will arrange that the instruments recommended to be sold, in paragraph 5 of the Chief Superintendent's letter, be disposed of in Madras to the best advantage. The sum realised by the sale of the instruments, minus the expenses connected with the sale, will in due course be credited to the Capital Account of the canal.

4. The Superintending Engineer, III Circle, will take measures at an early date to provide the rooms in which the telegraph instruments are placed with suitable floors, and will apply to the Superintendent for sketches and detailed information regarding the fittings recommended by that officer for the rooms in which officers are located, with a view to their being made in the canal workshops.

Those marked with a * should be retained and the rest disposed of by auction or otherwise.

5. The Government approve of the suggestions of the Chief Superintendent, as contained in paragraph 7 of his letter. The sanctioned number of signallers for the canal telegraph will be raised to fifteen, and the Superintending Engineer, III Circle, will arrange that the signallers are duly passed in turn through the training class at Madras.

(True Extract.)

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

To the Superintending Engineer, III Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Chief Superintendent of Telegraphs, Madras Division.
" Revenue Department.
" Engineer-in-Chief, Bellary-Kistna State Railway.
" Consulting Engineer for Railways.

Exd. E. Fernandez.
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X

IRRIGATION.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 1st.

Recd.

Encl.

G.O., 1st May 1884, No. 439 I.

MAY.

Kurnool Canal Telegraph

Approving, with remarks, certain proposals for the future working of the —.

1st MAY 1884, No. 440 I., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following letter from P. V. LUKE, Esq., Chief Superintendent, Government Telegraphs, Madras Division, to the Secretary to Government, Public Works Department, Irrigation Branch, dated Madras, 28th April 1884, No. 582:—

Referring to my No. 7463 of 27th March, submitting proposals for working the Kurnool-Cuddapah Canal Telegraph, I have the honor to inform you that Messrs. Binny and Company, as well as native merchants, are most anxious for a telegraph office at Jangalpillai.

2. The line has been reconstructed from Kristnapuram up to that point, and I am ready to arrange for fitting up an office, if accommodation can be provided and the Executive Engineer is prepared to work it.

3. Captain Smart, however, informs me that he has no signaller available. I therefore recommend that the additional men required for the completed system, *vide* paragraph 7 of my letter above referred to, be taken on and put in training at once to avoid the inconvenience which must arise from not having sufficient trained signallers.

4. It takes at least three months to train a signaller.

ORDER—dated 1st May 1884, No. 440 I., Public Works.

Communicated to the Superintending Engineer, III Circle, who will arrange at once for the taking on and training of the additional signallers sanctioned in paragraph 5 of G.O., No. 439 I., dated 1st May 1884.

(True Extract.)

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

To the Superintending Engineer, III Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Chief Superintendent of Telegraphs, Madras Division.
" Revenue Department.
" Engineer-in-Chief, Bellary-Kistna State Railway.
" Consulting Engineer for Railways.

Exd. A. Aubert.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of (1884) Madras
PUBLIC WORKS.

Dated May, 1st.

Recd.

Encl.

G.O., 1st May 1884, No. 440 I.

MAY.

Telegraph Signallers

The Superintending Engineer, III Circle,
directed to arrange at once for the taking on
and training of the additional — sanctioned
in connection with the Kurnool Canal Tele-
graph.

h 1
SUPERINTENDING ENGINEER'S OFFICE,

MADRAS,

No. 1510
Cannigooram and at Chepauk, 31st Oct. 1884.
Resd 3/11

From

Lt-Col. H. M. Vilar - R.E.
THE SUPERINTENDING ENGINEER,
IIIrd CIRCLE, 2840/9

To

THE Chief Engineer
for Irrigation
Madras

SIR,

Enclosures.

With reference to G.O. No. 440 I
dated 1st May 1884. I have the honor
to report that 4 additional Signallers
on a salary of Rs. 15 each have been
entertained for the Kurnool Canal Tele-
graph from the month of June 1884;
but the Examiner PW accounts
objects to pass their pay, and states
that further orders of Government
should be obtained as to the proposed
rate of pay and as to the source from
which the cost is to be met. X
2. I therefore request that further

instructions may be given to the Examiner
to enable him to pass the charges.

I have the honor to be
Sir
Yours most obedt Servt

Wm. H. West Lt Col R.E.
Asst Enginr
3rd Regt

W.H.

2840
10

N^o 94 E.W.

Forwarded to the Chief Engineer P. W. D. with a request that sanction to the entertainment of four signallers, on Rs 15 per mensem, from June 1884, for the Telegraph line along the Kurnool Canal, may be formally given and funds allotted.

A. S. Russell

For Chief Engineer for Irrigation
Chepauk
6th November 1884

From



The Superintending Engineer,

IIIrd Circle,

Bellary

To

The Chief Engineer
for Irrigation
Madras

Dated
Recd.

31st } October 1884

ENCLOSURES.

No. 1510.

Kurnool Canal Tele-
graphs.

Requesting that the
Examiner be authorized
to pass the salary of 4
signallers employed on the
[] from June 1884.

N^o 2840 W

General
Stall

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 14th November 1884

Read the following

Letter from the Supg. Engr. IIIrd Circle H.E. N^o 1510 of 31st October 1884.
Endorsement thereon by the
Chief Engineer for Irrig. S. N^o 94 E. W. of 6th Nov^r 84

The entertainment
of four additional sig-
nallers from June 1884,
on Rs 15 each per mensem,
for employment
on the Telegraph line
along the Kurnool Canal,
is sanctioned, as re-
commended by the
Chief Engineer for Irrigation.
2. The pay of the
signallers will be
adjusted

adjusted against the
budget provision for
establishment.

2840

This sanction
has been registered
as Provincial No. 67 W
of 1884-85 and classi-
fied as Establishment
Permanent.

Cb.

13-11-84

W.

13-11-84

W.
14-11

To

The Chief Engr for Engrs.
" Supr Engr III field.
" Ex aud. P. W. Accounts

21/11/84

W.

2840

12

12

9275

Govt. of Madras.

PUBLIC WORKS.

(18)

17/4/89

Dated

Recd.

Encl.

G.O., 14 Nov 1884, No. 2845

Telegraph line along
the turn of Canal.
Subject of...

223.10

Id 507
1911