5868

No. ~~5264~~

No 2209 C d/ 6-7-95
1130 W d/ 13-5-95
518 W d/ 6-3-95
3010 W d/ 13-11-90

Recd: 31-7-95 ~~10-7-95~~

From

The Suptg Engineer
2nd Circle.

To

The Chief Engineer
P. W. Department

No 111 BC

Dated 8th July 1895

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Work abstracts —
Remarks of the Ex: Engr. B.C. on my No 1130W of 13-5-95 approving the Examiner's proposals to discontinue entering "up to date" totals are forwarded —

No 2306 C dated 16 July '95

To
C

For favour of remarks.

for W

Read Corr 5264 ~~& 5868~~

No 2022 W d/ 15 August 1895

The Exr's remarks will be communicated to the Suptg: Engr: II Circle

S. E. II Circle
Exr. P. W. A.

O.L.S. 215
R 15/7

DESPATCHED
16 AUG. 95

18 JUL 1895
W. ACCOUN

Letter from the Executive Engineer, Buckingham Canal Dn., to the Supdg. Engineer, 2nd Circle, d/ 8th June 1895, No. 578.

With reference to G. O. No. 1130 W d/ 13th May 1895 approving of the Examiner's proposals to discontinue entering "up to date" totals in work abstracts, I have the honour to invite a reference to my letter No. 166 of 18th April 1895 for the reasons given in which a Progress Report in form M 91 to pass between this office and the Sub Dn. Offices has not been maintained as the entry of "up to date" totals in work abstracts has been found to be more useful.

2. Attention to the present order will necessitate the opening of the Progress Reports again, but before doing so, I beg to bring to your notice that the "up to date" totals in a work abstract do not only give the total expenditure on the work but also the total quantity and value of work done on each Sub head of an estimate. This information is indeed very valuable and essential to the Sub Dnt. Officers and Subordinates and cannot be dispensed with without either causing inconvenience or

the sending of separate extracts from the Register of Works from the D. Office, or to open a Register of Works in a Sub D. Office. All this will entail extra work.

3. Pending receipt of orders on the subject I am continuing the existing procedure which really does not cause any inconvenience difficulty or labour. The favour of early orders is, therefore, solicited.

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No. 111 BC
8-7-95

Submitted to the Chief Engineer P.W.D. in continuation of this Office No. 127 LC d/ 28th June 1895.

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

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No. 2690 A d/ 30-7-95

To W.

Information regarding total value of work done, and total quantity executed to date on each sub-head of work, would doubtless be valuable to the sub-divisional officer or subordinate in charge of the work; but Executive Engineer has apparently lost sight of the fact that this information can be obtained from the measurement books. I may also point out in this connection that the practice of recording work abstracts in sub-divisional offices is not general - so far as I am aware it is only done by the Buckingham Canal Division.

2. In my inspections of some divisional offices I noticed that progressive totals were not brought forward in work abstracts ( vide para I6 of inspection report of Tinnevelly Division dated 25th. July I893 - G.O. No. 2I52 W. of 2Ist. August I893, and para I6 of North Arcot Division inspection report of I9th. December I894 - G.O. No. I69 W. of 2Ist. January I895) ; and it was that that led me to propose that they need not be brought forward.

30/7
C.
30/7

5868

P. W. CURRENT No. ~~5264~~

No. 2209 C d/ 6-7-95
1130 W d/ 13-5-95
518 W d/ 6-3-95
3010 W d/ 13-11-90

From

The Suptg Engineer
2nd Circle.

Recd: 31-7-95 ~~10-7-95~~

No. 2306 C dated 16th July '95

To

C

For favour
of remarks.

W 11/7

for W

To

The Chief Engineer
P. W. Department

No. 111 B.C.

Dated 8th July 1895

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Workabstracts —
Remarks of the Ex: Engr.
B.C. Wn only. O No. 1130 W
d/ 13-5-95 approving
the Examiner's proposals to
discontinue entering "up
to date" totals —
Forward —.

Read Curr: 5264
~~& 5868~~

No. 2022 W d/ 15th August
1895

B

The Exr's remarks
will be communicated
to the Suptg: Engr: II
Circle

J W

S. E. II Circle
Exr: P. W. D.

DESPATCHED
16 AUG. 95
W. 17/8

O.L.S. 215
R 15/7

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P. W. CURRENT No. 5976

[G./15]

Govt. of { 18 } Madras.

Ma: 1121 D/ 27-12-99

Recd: 3.8.95

To

The Public Works
Dept.

No. 2024 W d/ 15th August 1895

B

Recorded.

Proceedings, dated 27th July 1895
No. 224 Marine

Cons 7/8 95

S 7/8

Subject.

Sanctioning, with remarks, the payment of bonuses aggregating Rs 3230 to certain men of the Harbour Construction staff for their having successfully placed the caisson in position at the South Pier head; and requesting the Chairman, H. T. Bd., to state what reductions have been effected in the Construction staff.

The Exr. W. D.

N.S.

DESPATCHED
15 AUG. 95

INDEXED.

W. 7/8

O.L.S. 275

9TH JULY 1895, No. 1082 M., LOCAL AND MUNICIPAL.

## GOVERNMENT OF MADRAS.

## LOCAL AND MUNICIPAL DEPARTMENT.

READ—again the following paper :—

G.O., dated 6th May 1895, Mis. No. 788 M., Local and Municipal.

*Read*—the following papers :—

From R. E. ELLIS, Esq., ASSOC. M. INST. C.E., Acting Sanitary Engineer to Government, to the President, Sanitary Board, Madras, dated Fort St. George, 28th January 1895, No. 211.

With reference to G.O., dated 16th November 1894, No. 2380 L., Local and Municipal, I have the honour to forward herewith a draft resolution on the revised scheme of Kurnool water-supply. I should be glad if this matter could be treated as urgent in order that the work may be proceeded with at an early date.

Note by the Chief Engineer, Public Works Department, dated 2nd April 1895, No. 1383-C.

In the absence of details connected with the original scheme, it is not possible to compare its advantages with those of the revised scheme. The latter must therefore be treated on its merits with the information available.

I. It is proposed to pump direct into the settling reservoir through a 10-inch pipe with a fall of 1·3 feet in 1,000 feet. This by Darey's formula $V = 109\sqrt{R.S.}$, will give a discharge of 365 gallons per minute. It is not known how the Acting Sanitary Engineer arrived at 315 gallons as a result. Again, the same water that is passed into the settling reservoir through a 10-inch pipe is eventually passed through a 12-inch main to the town. The fall of the main is not stated; therefore the reason for the increase of diameter is not clear.

II. Mr. Jones in paragraph 14 of his report dated 6th December 1892, No. 2774, calculated the quantity of water required to be 630 gallons per minute; and to get this discharge he provided a 5 H.P. engine with a lift of 26·5 feet; but as the lift is now increased to 45·11 feet, the horse power will have to be increased to 9 H.P. to give the same supply. Mr. Ellis apparently allows for only 315 gallons—though 630 are required for the population—for the sake of restricting the engine to the 5 H.P. originally provided; it would, in the Chief Engineer's opinion, be better to adhere to the original quantity and increase the power.

III. The necessity for a cistern at each end of the masonry conduit is not explained. If the cisterns are intended as silt traps, it should have been so stated in the report.

IV. In memorandum No. 1338-C., dated 21st March 1893, the Acting Chief Engineer, Public Works Department, expressed his conviction to the effect that the settling reservoir should be capable of holding six weeks' supply. It is calculated however that the reservoir according to the design submitted will not hold more than a supply for a fortnight.

V. The theoretically correct area of the filter beds may be calculated at 5,787 square feet. Therefore 7,500 square feet as shown in the plan is somewhat excessive. Three filter beds each 44′ × 44′ giving a total area of 5,808 would answer requirements if formed as follows:—

2 feet 6 inches of fine sand,
6 inches of common sand,
6 inches of shells,
2 feet 6 inches of gravel,

perforated pipes being laid in lowest stratum (*vide* Molesworth); but the error is on the side of safety.

VI. The Chief Engineer has noticed more than once the still prevalent antipathy to concrete foundations. Here attention is drawn to the large quantity of under-ground masonry which might with advantage be replaced by concrete.

Under these circumstances the estimates are returned for revision.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

---

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Engineer, Public Works Department, dated Fort St. George, 3rd April 1895, No. 928.

With reference to your memorandum, No. 1383 C., dated 2nd April 1895, on the Kurnool water-works plans and estimate, I have the honour to forward an explanatory note and also a draft resolution for your initials if you now approve of the scheme.

2. I shall be much obliged if you can express very early approval as I have an Assistant Engineer at Kurnool practically doing nothing waiting until sanction is accorded.

---

## ENCLOSURE.

### EXPLANATORY Note by the Sanitary Engineer to Government.

While Darey's formula gives a discharge of 365 gallons for a 10-inch pipe with a fall of 1·3 in 1,000, Neville's, which is used in this office, and on which pipe discharge tables are ordinarily based, gives lower results. By formula $V = 140\sqrt{R.S.} - 11\sqrt[3]{R.S.}$, if S is 1·3 in 1,000, the discharge for a 10-inch main will be 324 gallons, and if S is 1·29 in 1,000, the discharge will be about 317 gallons. If the pipe is slightly large, it is because a 9-inch would be too small and there will be less lift at pumping station with a pipe slightly larger than actually necessary. The scheme provides for a population of 30,000 people at 15 gallons per head per day of 24 hours or only 315 gallons per minute. The delivery mains to the town from the service reservoir are calculated to pass one-half of the daily supply in six hours or the whole supply in twelve hours. This accounts for providing a larger delivery main to town from service reservoir than the pumping main.

2. Mr. Ellis adopts 315 gallons as the quantity to be pumped as the fluctuations of maximum and minimum demands are compensated by the settling reservoir whence it is now proposed to draw water entirely by gravitation. In paragraph 14 of the Sanitary Engineer's letter, No. 2774, dated 6th December 1892, the undersigned assumed the maximum supply as the quantity to be pumped as no service reservoir between the engines and the town was then proposed. There would appear therefore no reason for having the engine power to the extent originally proposed.

3. The cisterns referred to are intended for silt traps, but are also necessary to avoid cast-iron specials for conducting water to the lower level to feed filter beds.

4. Since writing the memorandum No. 1338 C., dated 21st March 1893, the Acting Chief Engineer in his subsequent memorandum, dated 12th July 1893, embodied in G.O., dated 24th August 1893, No. 1114 M., Local and Municipal, approves of the capacity of the settling tanks to retain sufficient water for a fortnight's consumption, as the cost of larger tanks is beyond the means of the municipality. There is room for future extension if it were found necessary. This course was approved by Government.

5. Though Molesworth gives one square yard of filter for each *700* gallons in 24 hours as sufficient, this has long been found to be bad practice. In the Bombay water-works the rate varies when filter is clean from 510 gallons per square yard to 322 with filters dirty and the average is only 400 gallons per square yard of sand area per 24 hours and this maximum of 400 is not exceeded in London and Sir J. Fowler recommended it should never be so.

6. The concrete backing in place of masonry foundations at service reservoir will reduce the estimate by Rs. 200 and can be adopted if desirable.

FORT ST. GEORGE,
*3rd April 1895.*

(Signed) J. A. JONES,
*Sanitary Engineer to Government.*

---

Note by the Chief Engineer, Public Works Department, dated 18th April 1895.

Referring to the Sanitary Engineer's explanatory note, dated 3rd April 1895, the undersigned is willing to accept Mr. Jones' calculated discharge of 324 gallons since the discrepancy between that and 369 gallons is on the right side. It is observed, however, that there are no means of ascertaining whether the diameter—12 inches—of the delivery main to the town is correct; for, though the Sanitary Engineer explains the necessity for having it larger than the 10 inch pipe, he omits to give its fall, without knowing which it is not possible to tell whether the diameter is suited to the purpose required. The diameter of the delivery main is therefore accepted provisionally only.

2. With reference to paragraph 2 of the explanatory note, it is considered that if the reservoir be filled with fourteen days' supply before commencing to draw off, a 5 H.P. engine may suit. The points alluded to in paragraphs 3, 4 and 5 are conceded.

3. As stated in paragraph 6 of his note No. 1383 C., dated 2nd April 1895, the Chief Engineer considers that the large quantity of under-ground masonry might be replaced by concrete, and the Sanitary Engineer's allusion in paragraph 6 of his explanatory note regarding the substitution of concrete *backing* for masonry foundation is not understood.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

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No. 33-D.

Transferred to the Local and Municipal Department. It is considered in the Public Works Department that, subject to the modifications suggested by the Chief Engineer, the revised estimate may be sanctioned.

OOTACAMUND,
*22nd April 1895.*

(Signed) J. PENNYCUICK, Col., R.E.,
*Secretary to Government, P.W.D.*

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*Order*—dated 6th May 1895, Mis. No. 788 M., Local and Municipal.

The Sanitary Engineer will be requested to revise the estimates with reference to the Chief Engineer's remarks and to resubmit them to Government for sanction at an early date.

(True Extract.)

(Signed) J. F. PRICE,
*Chief Secretary.*

To the Sanitary Engineer.
„ Public Works Department.

READ—also the following papers:—

From J. A. JONES, ESQ., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Secretary to Government, dated Fort St. George, 15th May 1895, No. 1386.

With reference to G.O., dated 6th May 1895, Mis. No. 788 M., Local and Municipal, I have the honour to send herewith the plans of Kurnool water-supply so that Colonel Pennycuick may state what portion of the work under ground he desires to be in concrete.

2. I suggested the backing of the arches of the service reservoir because I did not see where concrete could be used with advantage at other places than already proposed *as it is for all foundations.*

3. I have to point out that more concrete will be required than brickwork or stonework if it is used in vertical walls, &c.; and if used in walls or pillars which do not abut against the earth, we must have frames in which to build the work and these will be very expensive. These remarks refer to the service reservoir, filter bed and engine house.

4. I do not suppose Colonel Pennycuick wishes it used in the settling reservoir as on a sloping bank especially in black cotton soil it would crack.

5. I admit I am averse to the use of concrete in this country, except in a horizontal position, unless the work is of great thickness and of some extent, so that the cost of moulds, &c., would not bear a high percentage to the cost of the work; but for comparatively thin vertical walls, &c., I think its use would be a mistake as natives are not to be trusted to lay it so that it can be depended upon.

6. The estimate hardly needs revision on account of the difference of the material to be used unless the use of concrete for vertical walls and pillars is insisted upon; but it is so long ago since the estimate was prepared (1892) and the rate for pipes, &c., in succeeding estimates has not been altered though exchange has fallen consideably (1*s.* $2\frac{29}{32}$*d.* to 1*s.* $1\frac{8}{32}$*d.*) that some addition must be made on this account; on going into the matter I find that pipes, instead of costing Rs. 105 a ton landed at Madras (*vide* paragraph 18 of my report—G.O., dated 24th August 1893, No. 1114 M.) will now cost Rs. 112 per ton. This increases the estimate by Rs. 3,000 for pipes alone without taking into account specials and sluice valves, &c.

7. Again, an Assistant Engineer and a small staff has been at Kurnool since October last as from all appearances it was considered that when the preliminary work was finished the estimate would have been sanctioned and work begun. The average cost of staff including office contingencies will be Rs. 750 a month, say for two years from October last Rs. 18,000 against Rs. 13,000 in the estimate.

8. The above charges would increase the estimate by about Rs. 8,000, but it is, until tenders are received, impossible to say what the actual cost will be especially as in delivering pipes at Kurnool many' contingencies will arise in landing at Madras, railing to Kistnapuram, transhipping to the canal and carrying by canal to Kurnool. The increase or decrease in using concrete would be very small compared with these excesses. Perhaps everything considered it would be better to let it be understood that on the above account there will be some excess roughly calculated as above and that a revised estimate will be submitted to Government when the pipes are received in Kurnool and work begun.

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No. 722.

Referred to the Public Works Department for favour of remarks.

FORT ST. GEORGE,
21*st May* 1895.

(Signed) C. G. TODHUNTER,
*Ag. Assistant Secretary.*

Note by the Chief Engineer, Public Works Department, dated 10th June 1895, No. 334-D.

With reference to Mr. Jones' letter, No. 1386, dated 15th May 1895, the Chief Engineer, Public Works Department, has the honour to make the following observations.

2. It is not understood how there can be any doubt as to what portion of masonry work it is considered desirable to replace by concrete, for the Chief Engineer in his note No. 1383-C. of 2nd April 1895, clearly indicated under-ground masonry as being the work referred to. In paragraph 2 of his letter under reference, the Sanitary Engineer says that he has allowed concrete for all foundations; but a glance at the drawing for the engine-house will show that such is not the case. The foundations consist of only one foot of concrete with no less than five feet of superincumbent masonry. To guard against any further possibility of misunderstanding, the portion referred to is now hatched in in red. It is considered that this portion should consist of concrete entirely to ground level and of the width prescribed.

3. Paragraphs 3 to 6 of Mr. Jones' letter are entirely beside the question, as the idea of concrete pillars or walls above ground was never suggested, and as there is no under-ground masonry connected with the service reservoir or filter bed it is not understood why Mr. Jones brings these works into question.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

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No. 335-D.

Transferred to the Local and Municipal Department with advertence to its endorsement No. 722, dated 26th May 1895, and the referred papers returned.

(Signed) J. PENNYCUICK, Col., R.E.,
*Secretary to Government, P.W.D.*

10*th June* 1895.

ORDER—dated 9th July 1895, No. 1082 M., Local and Municipal.

The revised estimate for the water-supply of Kurnool, submitted by the Sanitary Engineer, is sanctioned, subject to the modifications suggested by the Chief Engineer.

2. The Sanitary Engineer will be requested to report the amount of the estimate as now approved.

3. He is also requested to explain more fully the reason why an Assistant Engineer and a small staff have been kept at Kurnool since October last, apparently doing nothing. As at present informed, the Government fails to understand why this should have been allowed.

(True Extract.)

J. F. PRICE,
*Chief Secretary.*

To the Chairman, Municipal Council, Kurnool.
„ Collector of Kurnool.
„ Sanitary Commissioner.
„ Sanitary Engineer.
„ Public Works Department.
Editor's Table.

# Govt. of {1895} Madras.

## LOCAL AND MUNICIPAL.

No. 2021 W.I. 14th August 1895

Recorded.

(Id) C.H.B.B.

D.W.

Issued

Recd. Encl.

**G.O., 9th July 1895, No. 1082 M.**

**JULY.**

**Water-supply.**

Sanctioning, with remark, the revised estimate for the — of Kurnool, and requesting the Sanitary Engineer to report the amount of the estimate as now approved.

S.E. III circle

for information.

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GOVERNMENT OF MADRAS.

LOCAL AND MUNICIPAL DEPARTMENT.

Read—again the following paper :—

G.O., dated 6th May 1895, Mis. No. 788 M., Local and Municipal.

*Read*—the following papers :—

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Note by the Chief Engineer, Public Works Department, dated 2nd April 1895, No. 1383-C.

In the absence of details connected with the original scheme, it is not possible to compare its advantages with those of the revised scheme. The latter must therefore be treated on its merits with the information available.

I. It is proposed to pump direct into the settling reservoir through a 10-inch pipe with a fall of 1·3 feet in 1,000 feet. This by Darey's formula $V = 109\sqrt{\text{R.S.}}$ will give a discharge of 365 gallons per minute. It is not known how the Acting Sanitary Engineer arrived at 315 gallons as a result. Again, the same water that is passed into the settling reservoir through a 10-inch pipe is eventually passed through a 12-inch main to the town. The fall of the main is not stated; therefore the reason for the increase of diameter is not clear.

II. Mr. Jones in paragraph 14 of his report dated 6th December 1892, No. 2774, calculated the quantity of water required to be 630 gallons per minute; and to get this discharge he provided a 5 H.P. engine with a lift of 26·5 feet; but as the lift is now increased to 45·11 feet, the horse power will have to be increased to 9 H.P. to give the same supply. Mr. Ellis apparently allows for only 315 gallons—though 630 are required for the population—for the sake of restricting the engine to the 5 H.P. originally provided; it would, in the Chief Engineer's opinion, be better to adhere to the original quantity and increase the power.

III. The necessity for a cistern at each end of the masonry conduit is not explained. If the cisterns are intended as silt traps, it should have been so stated in the report.

IV. In memorandum No. 1338-C., dated 21st March 1893, the Acting Chief Engineer, Public Works Department, expressed his conviction to the effect that the settling reservoir should be capable of holding six weeks' supply. It is calculated however that the reservoir according to the design submitted will not hold more than a supply for a fortnight.

Da, 9

Vide + 647 D 30-7-95

V. The theoretically correct area of the filter beds may be calculated at 5,787 square feet. Therefore 7,500 square feet as shown in the plan is somewhat excessive. Three filter beds each 44′ × 44′ giving a total area of 5,808 would answer requirements if formed as follows:—

2 feet 6 inches of fine sand,
6 inches of common sand,
6 inches of shells,
2 feet 6 inches of gravel,

perforated pipes being laid in lowest stratum (*vide* Molesworth); but the error is on the side of safety.

VI. The Chief Engineer has noticed more than once the still prevalent antipathy to concrete foundations. Here attention is drawn to the large quantity of under-ground masonry which might with advantage be replaced by concrete.

Under these circumstances the estimates are returned for revision.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

From J. A. JONES, Esq., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Engineer, Public Works Department, dated Fort St. George, 3rd April 1895, No. 928.

With reference to your memorandum, No. 1383 C., dated 2nd April 1895, on the Kurnool water-works plans and estimate, I have the honour to forward an explanatory note and also a draft resolution for your initials if you now approve of the scheme.

2. I shall be much obliged if you can express very early approval as I have an Assistant Engineer at Kurnool practically doing nothing waiting until sanction is accorded.

### ENCLOSURE.

### EXPLANATORY Note by the Sanitary Engineer to Government.

While Darey's formula gives a discharge of 365 gallons for a 10-inch pipe with a fall of 1·3 in 1,000, Neville's, which is used in this office, and on which pipe discharge tables are ordinarily based, gives lower results. By formula $V = 140\sqrt{R.S.} - 11\sqrt[3]{R.S.}$, if S is 1·3 in 1,000, the discharge for a 10-inch main will be 324 gallons, and if S is 1·29 in 1,000, the discharge will be about 317 gallons. If the pipe is slightly large, it is because a 9-inch would be too small and there will be less lift at pumping station with a pipe slightly larger than actually necessary. The scheme provides for a population of 30,000 people at 15 gallons per head per day of 24 hours or only 315 gallons per minute. The delivery mains to the town from the service reservoir are calculated to pass one-half of the daily supply in six hours or the whole supply in twelve hours. This accounts for providing a larger delivery main to town from service reservoir than the pumping main.

2. Mr. Ellis adopts 315 gallons as the quantity to be pumped as the fluctuations of maximum and minimum demands are compensated by the settling reservoir whence it is now proposed to draw water entirely by gravitation. In paragraph 14 of the Sanitary Engineer's letter, No. 2774, dated 6th December 1892, the undersigned assumed the maximum supply as the quantity to be pumped as no service reservoir between the engines and the town was then proposed. There would appear therefore no reason for having the engine power to the extent originally proposed.

3. The cisterns referred to are intended for silt traps, but are also necessary to avoid cast-iron specials for conducting water to the lower level to feed filter beds.

4. Since writing the memorandum No. 1338 C., dated 21st March 1893, the Acting Chief Engineer in his subsequent memorandum, dated 12th July 1893, embodied in G.O., dated 24th August 1893, No. 1114 M., Local and Municipal, approves of the capacity of the settling tanks to retain sufficient water for a fortnight's consumption, as the cost of larger tanks is beyond the means of the municipality. There is room for future extension if it were found necessary. This course was approved by Government.

5. Though Molesworth gives one square yard of filter for each *700* gallons in 24 hours as sufficient, this has long been found to be bad practice. In the Bombay water-works the rate varies when filter is clean from 510 gallons per square yard to 322 with filters dirty and the average is only 400 gallons per square yard of sand area per 24 hours and this maximum of 400 is not exceeded in London and Sir J. Fowler recommended it should never be so.

6. The concrete backing in place of masonry foundations at service reservoir will reduce the estimate by Rs. 200 and can be adopted if desirable.

FORT ST. GEORGE,
*3rd April* 1895.

(Signed) J. A. JONES,
*Sanitary Engineer to Government.*

Note by the Chief Engineer, Public Works Department, dated 18th April 1895.

Referring to the Sanitary Engineer's explanatory note, dated 3rd April 1895, the undersigned is willing to accept Mr. Jones' calculated discharge of 324 gallons since the discrepancy between that and 369 gallons is on the right side. It is observed, however, that there are no means of ascertaining whether the diameter—12 inches—of the delivery main to the town is correct; for, though the Sanitary Engineer explains the necessity for having it larger than the 10 inch pipe, he omits to give its fall, without knowing which it is not possible to tell whether the diameter is suited to the purpose required. The diameter of the delivery main is therefore accepted provisionally only.

2. With reference to paragraph 2 of the explanatory note, it is considered that if the reservoir be filled with fourteen days' supply before commencing to draw off, a 5 H.P. engine may suit. The points alluded to in paragraphs 3, 4 and 5 are conceded.

3. As stated in paragraph 6 of his note No. 1383 C., dated 2nd April 1895, the Chief Engineer considers that the large quantity of under-ground masonry might be replaced by concrete, and the Sanitary Engineer's allusion in paragraph 6 of his explanatory note regarding the substitution of concrete *backing* for masonry foundation is not understood.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

No. 33-D.

Transferred to the Local and Municipal Department. It is considered in the Public Works Department that, subject to the modifications suggested by the Chief Engineer, the revised estimate may be sanctioned.

OOTACAMUND,
*22nd April* 1895.

(Signed) J. PENNYCUICK, Col., R.E.,
*Secretary to Government, P.W.D.*

*Order*—dated 6th May 1895, Mis. No. 788 M., Local and Municipal.

The Sanitary Engineer will be requested to revise the estimates with reference to the Chief Engineer's remarks and to resubmit them to Government for sanction at an early date.

(True Extract.)

(Signed) J. F. PRICE,
*Chief Secretary.*

To the Sanitary Engineer.
„ Public Works Department.

READ—also the following papers:—

From J. A. JONES, ESQ., MEM. INST. C.E., F.R.S.E., Sanitary Engineer to Government, to the Chief Secretary to Government, dated Fort St. George, 15th May 1895, No. 1386.

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2. I suggested the backing of the arches of the service reservoir because I did not see where concrete could be used with advantage at other places than already proposed *as it is for all foundations.*

3. I have to point out that more concrete will be required than brickwork or stonework if it is used in vertical walls, &c.; and if used in walls or pillars which do not abut against the earth, we must have frames in which to build the work and these will be very expensive. These remarks refer to the service reservoir, filter bed and engine house.

4. I do not suppose Colonel Pennycuick wishes it used in the settling reservoir as on a sloping bank especially in black cotton soil it would crack.

5. I admit I am averse to the use of concrete in this country, except in a horizontal position, unless the work is of great thickness and of some extent, so that the cost of moulds, &c., would not bear a high percentage to the cost of the work; but for comparatively thin vertical walls, &c., I think its use would be a mistake as natives are not to be trusted to lay it so that it can be depended upon.

6. The estimate hardly needs revision on account of the difference of the material to be used unless the use of concrete for vertical walls and pillars is insisted upon; but it is so long ago since the estimate was prepared (1892) and the rate for pipes, &c., in succeeding estimates has not been altered though exchange has fallen considerably (1*s.* $2\frac{29}{32}$*d.* to 1*s.* $1\frac{8}{32}$*d.*) that some addition must be made on this account; on going into the matter I find that pipes, instead of costing Rs. 105 a ton landed at Madras (*vide* paragraph 18 of my report—G.O., dated 24th August 1893, No. 1114 M.) will now cost Rs. 112 per ton. This increases the estimate by Rs. 3,000 for pipes alone without taking into account specials and sluice valves, &c.

7. Again, an Assistant Engineer and a small staff has been at Kurnool since October last as from all appearances it was considered that when the preliminary work was finished the estimate would have been sanctioned and work begun. The average cost of staff including office contingencies will be Rs. 750 a month, say for two years from October last Rs. 18,000 against Rs. 13,000 in the estimate.

8. The above charges would increase the estimate by about Rs. 8,000, but it is, until tenders are received, impossible to say what the actual cost will be especially as in delivering pipes at Kurnool many contingencies will arise in landing at Madras, railing to Kistnapuram, transhipping to the canal and carrying by canal to Kurnool. The increase or decrease in using concrete would be very small compared with these excesses. Perhaps everything considered it would be better to let it be understood that on the above account there will be some excess roughly calculated as above and that a revised estimate will be submitted to Government when the pipes are received in Kurnool and work begun.

---

No. 722.

Referred to the Public Works Department for favour of remarks.

FORT ST. GEORGE,
*21st May* 1895.

(Signed) C. G. TODHUNTER,
*Ag. Assistant Secretary.*

Note by the Chief Engineer, Public Works Department, dated 10th June 1895, No. 334-D.

With reference to Mr. Jones' letter, No. 1386, dated 15th May 1895, the Chief Engineer, Public Works Department, has the honour to make the following observations.

2. It is not understood how there can be any doubt as to what portion of masonry work it is considered desirable to replace by concrete, for the Chief Engineer in his note No. 1383-C. of 2nd April 1895, clearly indicated under-ground masonry as being the work referred to. In paragraph 2 of his letter under reference, the Sanitary Engineer says that he has allowed concrete for all foundations; but a glance at the drawing for the engine-house will show that such is not the case. The foundations consist of only one foot of concrete with no less than five feet of superincumbent masonry. To guard against any further possibility of misunderstanding, the portion referred to is now hatched in in red. It is considered that this portion should consist of concrete entirely to ground level and of the width prescribed.

3. Paragraphs 3 to 6 of Mr. Jones' letter are entirely beside the question, as the idea of concrete pillars or walls above ground was never suggested, and as there is no under-ground masonry connected with the service reservoir or filter bed it is not understood why Mr. Jones brings these works into question.

(Signed) J. PENNYCUICK, Col., R.E.,
*Chief Engineer, P.W.D.*

---

No. 335-D.

Transferred to the Local and Municipal Department with advertence to its endorsement No. 722, dated 26th May 1895, and the referred papers returned.

*10th June* 1895.

(Signed) J. PENNYCUICK, Col., R.E.,
*Secretary to Government, P.W.D.*

---

ORDER—dated 9th July 1895, No. 1082 M., Local and Municipal.

The revised estimate for the water-supply of Kurnool, submitted by the Sanitary Engineer, is sanctioned, subject to the modifications suggested by the Chief Engineer.

2. The Sanitary Engineer will be requested to report the amount of the estimate as now approved.

3. He is also requested to explain more fully the reason why an Assistant Engineer and a small staff have been kept at Kurnool since October last, apparently doing nothing. As at present informed, the Government fails to understand why this should have been allowed.

(True Extract.)

W Francis

for *Chief Secretary.*

To the Chairman, Municipal Council, Kurnool.
„ Collector of Kurnool.
„ Sanitary Commissioner.
„ Sanitary Engineer.
„ Public Works Department.
Editor's Table.

388

Exd. S. J. Pereira.

Gobt. of {1895} Madras.

LOCAL AND MUNICIPAL.

Issued

Recd. Encl.

---

G.O., 9th July 1895, No. 1082 M.

---

JULY.

---

Water-supply.

Sanctioning, with remark, the revised estimate for the — of Kurnool, and requesting the Sanitary Engineer to report the amount of the estimate as now approved.

---

P. W. CURRENT No. 5829

8 S.C

Accd: 30.7.95

No. 2021 W of 14th August 1895

B

Recorded.

CW 885
6/8/95

[illegible] for
[illegible]

DESPATCHED
15 AUG. 95

S. E. III circle for information: with 3 spare copies.

O. L. S. 268
R 8/8

Ve. 17/8

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[G./15]

Gobt. of { 18 } Madras.

No 2262 ed/11-7-95

To

The Public Works Dept

---

Proceedings, dated 24 July 1895.
No. 603.

---

*Subject.*

Exempting G. Kasturi Chetti Temporary clerk Bellary Dn from the Examination rules, for a further period of 6 months from the 31 May 1895.

16 miles from

---

P. W. CURRENT No. 5923

Accd: 1. 8. 95

No. 2017 W of 14th August 1895

B

Communicated to the Supdg Engr III Circle.

CW 183
6/8/95

DESPATC
14 AUG. 95

G. 95

S. E. III circle

Engr P.W.D.

INDEXED

Ve. 15/8

O. L. S. 271 R 8/8

[ 53 ]
000—21-6-95.

*Educational Department.*

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following ~~papers~~ :—

*Endorsement of the Public Works Department, dy 11" July 1895, No 22626, on letter from the Superintending Engineer III rd Circle Bellary, dy 3d July 1895, No 1011.*

*Order, dy 24" July 1895, No 603.*

*G. Kasturi Chetti will be exemp from the examination rules for a further period of six months from the 31st May 1895.*

*(True Extract)*

*Lionel Davidson*
*Ag: Under Secretary, G. J.*
*for Chief Secretary.*

*To*

*The Public Works Department.*

*R 8/8*

---

*P.W.D*

All communications
should be addressed
to the Secretary.

No.2102 G.
GOVERNMENT OF INDIA.
PUBLIC WORKS DEPARTMENT.
GENERAL.

To

The Secretary to the Government of Madras,
Public Works Department.

Simla, the 24th July 1895.

Sir,

With reference to your letter No.1033 W., dated the 1st May last, recommending that Peons on the permanent establishment of the Public Works Department stationed in the Wynaad be granted a local allowance of Rs.4 per mensem, I am directed to request that the Government of India may be furnished with a statement showing the rates of pay, and the allowances, if any, drawn by Peons of other Departments in the same locality.

I have the honour to be,
Sir,
Your most obedient servant,

*G. H. Walker*

Under-Secy. to the Govt. of India.

*WR*

Documents accompanying:-
Nil.

A. L. M.

*16 miles from*

P. W. CURRENT No. 6229

~~Lit~~ B

Recd: 14. 8. 95

Received 1. VIII. 95

The Accountant General will furnish the required information.

CH 1/8 95

The Financial Dept
(The Hon the Chief Secretary for favour of counter-initials)

K.S.

O/258

R 8/8

---

P. W. D

Lit B

PUBLIC WORKS DEPARTMENT.

No. 2013 W. dated 14th August 1895

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Government of India, P.W. D. No. 2102 R. d/24 July 1895

Ordered that the following reply be sent

No. 2014 W. dated 14th August 1895

To
The Secretary to the
Government of India, P.W.D.

Sir,

In compliance with your letter No. 2102 G. dated 24th July 1895, I am directed to forward the accompanying statement showing the rates of pay and the allowances drawn by peons of other departments serving in the Wynaad.

| Department | Number of peons | Rates of pay | | | Wynaad allowance | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | | Percentage on pay | amount | | |
| Land Revenue | 2 | 8 | 0 | 0 | 50. | 4 | - | - |
| | 6 | 7 | - | - | 50 | 3 | 8 | - |
| | 26 | 6 | - | - | 50 | 3 | 0 | 0 |
| Law & Justice | 5 | 8 | - | - | 50 | 4 | - | - |
| | 12 | 7 | - | - | 50 | 3 | 8 | - |
| | 12 | 6 | 8 | - | 50 | 3 | 4 | - |
| Salt | 3 | . | . | . | . | 2 | - | - |

DESPATCHED
14 AUG. 95

I have &c

(40—4,000—14-3-95.)

16 miles from Aranlange

No. 2013-4 W, 14th August 1895

INDEXED

Dt 15/8

of 258

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P. W. D

No 2019 W. d 11th

500-6-6-94.

Tanjore Collector's Office,

No. 1296/Vcr of 1895

Camp,

8th July 1895.

FROM

Robert B. Clegg. ESQUIRE,
Ag: Collector ~~& District Magistrate~~,
TANJORE.

TO

The Secretary to the Commissioners
of Land Revenue
MADRAS.

SIR,

In reply to Board's Proceedings, No. 2003 Mis, dated 22nd April 1895, I have the honor to state that the residents of Arantangi declare themselves unable to give the guarantee asked for by the Director-General of Telegraphs.

2. From the Director-General's letter communicated with the reference under reply, it appears that the line is proposed to be opened from the nearest Railway Station. Apparently Muttupet is near, which is 35 miles from Arantangi. I understand that there is a Telegraph office at Kanadukathan in Madura District, which is only 16 miles from Arantāngi and another at

Pudukottai 21 miles from it. If a line is opened from either of these places, the original outlay will be diminished by nearly one half and the Director-General will most likely be able to reduce the amount of guarantee in proportion. The residents have already agreed to Rs 240 per annum and they may be induced to guarantee a little over that amount, if the proposed line requires it.

3. Under these circumstances, I request that the Director-General may be addressed to decide the route to be selected.

4. The large guarantee he now demands seems to be beyond the means of the residents of Arantangi, who are generally poor.

I have the honor to be,

Sir,

Your most obedient Servant.

For Ag: Collector.
10. 7. 95

P.W.E/
5815/95

RS

L.R.

P. W. D.

No 2019 W. D.

P. W. D

No 2019

3,000
8-5-59.

## Proceedings of the Board of Revenue

(Land Revenue),

Dated 17th July 1895.

No. 3557 Mis. ~~Routine.~~

READ letter from Robert B. Clegg Esquire, Acting Collector of Tanjore, to the Secretary to the Commissioner of Land Revenue, Madras dated 8th July 1895, No. 1296/Ver of 1895.

Resolution.

Submitted to Government with reference to Government Order, dated 8th April 1895, No. 1463* mis.

* not recd.

(True Extract)

Secretary

To.

The Secretary to Government,
Revenue Department,
with Collector's letter
in original to be returned.

To be returned
to Revenue Board
with reply.

1895
REVENUE DEPARTMENT.
Enclosure No. 1

udukottai 21 miles from it. If a line is opened

~~Revenue~~ 1895. ~~Dept~~

# Board of Revenue

(Land Revenue),

MADRAS.

~~Current Number 5260~~

To

The Secretary,
to Government,
Revenue Deptt.

22 JUL 95

Recd 22 July. Enf.

Proceedings, dated 17th July 1895,
3557 No. Mis. ~~Routine.~~

Subject.

Submitting to Government, letter from the Collector of Tanjore reporting that the residents of Arantangi declare themselves to be unable to give the guarantee asked for by the Director General of Telegraphs.

P.T.O.

REVENUE DEPARTMENT.
Enclosure No. 1

---

G.O. 1463 d/ 8-11-95
1072 d/ 23-7-95

P. W. CURRENT No. 5815

Recd. 26-7-95

Endt. Mis. No: 2933.

Transferred to the Public Works Department with reference to para 2 of its Procgs: No. 796 W d/29th March 1895.

Board at [illegible]

A. Gibson.

Secretary to Govt:

Ootacamund
23d July 1895 } Encls 1 Recd: 25-7-95

List.

To the P. W. Dept.
" Board of Rev. (LR)

C.R.
24/7/95.

Td: 240/

Pudukottai 21 miles from it. If a line is opened

P. W. CURRENT No. 5 15

Government of Madras.

1895.

**P. W. DEPARTMENT.**

~~CURRENT No.~~

DISPOSAL.

Encls 1
No. dated Recd: 29. 7. 95

No. 796 W d/ 29-3-95
2834-5 W d/ 7-11-94

From

The Revenue Deptt.

ENCLOS

No. 2933

Dated 23. 7. 95

Received 29. 7. 95

SUBJECT.

Telegraph office at Arantangi:

Transferring letter from the Collector of Tanjore reporting that the residents of Arantangi declare themselves unable to give the guarantee required for the opening of a —

29—2,000—28-2-95.

O.L.S. 268
2/12/9

---

P. W. D.

No. 2012 W d/ 12th August 1895

To
The Director General
of Telegraphs.

Sir,

In reply to your Lr 8461 d/ 14 March 1895, I am directed to forward a copy of a letter from the Collector of Tanjore Lr 1296 d/ 8th July 1895, intimating that the residents of Arantangi declare themselves unable to give a guarantee of Rs 850 per annum for five years, and to state that if the guarantee cannot be materially reduced, the proposal to open a Telegraph office at that place must be deferred for the present.

W
8 Aug.

2. I am at the same time to invite your attention to the Collector's suggestion that the length of the line may be reduced by about one half if it be taken from either Kanadukathan or Pudukottai instead of from the

II Circle Kistna Northern Division

Statement of proposition for revision of Establishment

| Order sanctioning present Establishment |  | Office to which the proposition refers | Nature of Charges |  |  |  |  |  |  |  |  |  |  |  |  |  | Proposition |  |  |  |  |  | Remarks |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  | Present scale |  |  |  |  |  |  | Proposed scale |  |  |  |  |  |  | Permanent |  | Temporary |  |  |  |  |
|  |  |  |  |  | Pay |  |  |  |  |  |  | Pay |  |  |  |  | Increase per month | Decrease per month | Increase per month |  | Decrease per month |  |  |
| No. | Date | | No. | Designation | Minimum | Increment | Maximum | Average paid | Total cost | No. | Designation | Minimum | Increment | Maximum | Average paid | Total cost | Amount | Amount | Period | Amount | Period | Amount |  |
|  |  |  |  | Temporary Establishment |  |  |  |  |  |  | Temporary Establishment |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | Bozwada Workshops |  |  |  |  |  |  | Bozwada Workshops. |  |  |  |  |  |  |  |  |  |  |  |  |
| 1439 W | 9.6.94 | . | 1 | Accountant | . | . | . | 60 | . | 1 | Accountant | . | . | . | 60 | . |  |  |  |  |  |  |  |
|  |  |  | 1 | Clerk | . | . | . | 26 | . | 1 | Clerk | . | . | . | 26 | . |  |  |  |  |  |  |  |
|  |  |  | 1 | Clerk | . | . | . | 25 | . | 1 | Clerk | . | . | . | 25 |  |  |  |  |  |  |  |  |
|  |  |  | 2 | Clerks on Rs 20 each | . | . | . | 40 | . | 2 | Clerks on Rs 20 each | . | . | . | 40 | . |  |  |  |  |  |  |  |
|  |  |  | 1 | Asst Store Keeper | . | . | . | 15 | . | 1 | Asst Store Keeper | . | . | . | 15 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Draftsman | . | . | . | 25 | . | 1 | Draftsman | . | . | . | 25 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Time Keeper | . | . | . | 15 | . | 1 | Time Keeper | . | . | . | 15 |  |  |  |  |  |  |  |  |
| 1096 W | 1.5.94 |  | 1 | Maistry | . | . | . | 60 | . | 1 | Maistry | . | . | . | 60 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Smith Maistry | . | . | . | 30 | . | 1 | Smith Maistry | . | . | . | 30 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Tutor for apprentices | . | . | . | 10 | . | 1 | Tutor for apprentices | . | . | . | 10 |  |  |  |  |  |  |  |  |
|  |  |  | 2 | Lascars on Rs 7 each | . | . | . | 14 | . | 2 | Lascars on Rs 7 each | . | . | . | 14 |  |  |  |  |  |  |  |  |
|  |  |  | 10 | Lascars on Rs 6 each | . | . | . | 60 | . | 10 | Lascars on Rs 6 each | . | . | . | 60 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Sweeper | . | . | . | 7 | . | 1 | Sweeper | . | . | . | 7 |  |  |  |  |  |  |  |  |
|  |  |  | 2 | Lascars for Overseers in upland Talugs | . | . | . | 12 | . | 2 | Lascars for overseers in upland Talugs | . | . | . | 12 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Lascar for Overseer in charge of Tanks | . | . | . | 6 | . | 1 | Lascar for overseer in charge of Tanks | . | . | . | 6. |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Paint writer | . | . | . | 15 |  | 1 | Paint writer | . | . | . | 15 |  |  |  |  |  |  |  |  |
|  |  |  | 1 | Stock writer | . | . | . | 15 | . | 1 | Stock writer | . | . | . | 15 |  |  |  |  |  |  |  |  |
| 1571 W | 25.6.94 |  | 1 | Draftsman in Dn office | . | . | . | 30 |  | 1 | Draftsman in Dn office | . | . | . | 30 |  |  |  |  |  |  |  |  |
| 1436 W | 9.6.94 |  | 1 | Sweeper for Dn office | . | . | . | 2 |  | 1 | Sweeper for Dn Office | . | . | . | 2 |  |  |  |  |  |  |  |  |
| 790 W | 29.3.95 |  | 1 | Clerk for Munyeru Sub Dn | . | . | . | 30 |  | 1 | Clerk for Munyeru Sub Dn | . | . | . | 30 |  |  |  |  |  |  |  |  |
|  |  |  | 4 | Peons on Rs 6 each for Do | . | . | . | 24 | . | 4 | Peons on Rs 6 each for Do | . | . | . | 24 |  |  |  |  |  |  |  |  |
|  |  |  | 2 | Post peons on Rs 6 each for Do | . | . | . | 12 | . | 2 | Post peons on Rs 6 each for Do | . | . | . | 12. |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | 1 | Scavenger for Dn office | . | . | . | 1 | . | . | . | 12 | 1 | . | . |  |
|  |  |  |  | Total |  |  |  |  | 533 |  | Total |  |  |  |  | 534 | . | . |  | 1 | . | . |  |

Net increase for 12 months is Rs. 12.

Captn R.E.
Executive Engineer
Kistna Northern Division

Ald 20/7
20/7

27.2

Letter from the Executive Engineer Kistna Northern Dn., to the Supg Engineer, II Circle, d/ 22nd July 95, No. 226 S.E.

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5882/95.

In continuation of this Office remarks in the Divisional Objection Item statement for April 1895 I have the honour to forward herewith a proposition statement providing for the employment of a Municipal Scavenger for the latrine of the Divisional Office and to request that you will be good enough to obtain the Sanction of Government for the Salary of the scavenger paid to the Municipality being debited to Provincial Establishment, Temporary.

× × × ×

Encl 1

No. 952 K.S. 28.7.95. Forwarded to the Chief Engineer, P.W. Department for favor of obtaining the Sanction of Government to the proposition statement.

Captn. RE

for Supg Engineer, II Circle

27.7

P. W. CURRENT No 58/

Enclo 1

Recd: 31.7.95

From

The Supdtg Engineer,
II Circle.

To

The Chief Engineer,
P. W. Dept.

No 952 K.S.

Dy 28th July '95

Enclo: 1.

—

Scavenger for cleaning the latrine of Kistna North Division office — Proposition statement for the employment of a — Forwarded for obtaining sanction of Govt for the same

B/

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B/
Lit 1 sh/

PUBLIC WORKS DEPARTMENT.

No 2010 W, dy 14th August 1895

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Supdtg: Engineer, II Circle, No 952 K.S. dd/28th July 1895

Sanction is accorded to the entertainment, during 1895-96, of a scavenger on R 1 per mensem for the Kistna Northern Division Office.

2. This sanction has been registered as Provincial No 43 of 1895-96, and classified as Establishment, Temporary.

DESPATCHED
14 AUG. 95

The S.E. II circle
" Exar P.W. Accts

(40—4,000—14-3-95.)

29-3-96 No 790 W.

Scavenger for [illegible] [illegible]

D[illegible] office

No 2010 W dy 12th August 1895

B.G.

INDEXED. 19/8

W. 1418

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[$\frac{E}{4}$]
500—25-1-95.

Educational Department.

CHIEF SECRETARIAT, MADRAS.

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following ~~papers~~—

~~From the~~ Endorsement of the Public Works Department, dy 11th July 1895, No 2263 C, on letter from the Superintending Engineer, IIIrd Circle, Bellary, dy 3d July 1895, No 1012.

Order dated the 24th July 1895, No. 596.

The exemption from the Examination Rules of T. Royal Pillai Irrigation Superintendent, Kurnool Canal, from the 16th April 1895 to the 6th June 1895 is sanctioned.

(True Extract.)

Lionel Davidson
29.7
Ag: Under Secretary
for Chief Secretary.

To

The Public Works Department.

Govt. of {189 } Madras.

Educational Department.

No 2263 C d/ 11-7-95

P. W. CURRENT No. 5919

To

THE Public Works Deptt.

Recd: 1.8.95

No. 2008 W d/ 14 August 1895

B/ Communicated to the Supdg. Engr. III Circle

Proceedings, dated 24 July 1895.
No. 596

C R W
6/8 95

Sanctioning the exemption from the Examination Rules of T. Royal Pillay Irrigation Supdt. Kurnool Canal from the 16 April 1895, to the 6 June 1895.

DESP[illegible]ED
14 AUG 95
N.C.S.
INDEXED

S. E. III Circle
Exr. P.W.A

O.L.S. 271 R 8/8

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1717 B.
3 JUL 1895
P. W. ACCOUNTS

## Executive Engineer's replies to paras 5 and 8 of the Examiner's Covering Note on the Inspection report of the Chingleput Division Communicated with G.O. No 900 W dated 20th April 1895.

B (a)

Para 5. From my experience in Sub Divisions I am of opinion that the work in Sub Division Offices even under the old system of accounts was more than what an efficient clerk could do, and it is on this account I believe, that assistant clerks were allowed to certain Sub Divisions on the representations of the different Executive Engineers. Under the present system of checking the cubical contents of measurements in measurement sheets and the preparation and payment of Bills in the Sub Divisions, the work in the Sub Division Office is so much increased that I consider, however an efficient a Sub Dn. clerk may be, he cannot keep his work current single handed.

2. The P. W. D. Committee, in recommending the transfer of the checking of the arithmetical accuracy of measurements from the Division to the Sub Dn. Offices, proposed in para 53 of their report printed with G.O. No. 2350 W d/24 August 1892 that sufficient clerical aid should be given to the Sub Dn. for this purpose, but the proposal was negatived in G.O. No. 2439 W dated 22d November 1893. It was therefore necessary to relieve the Sub Divisions of a portion of their work to give effect to the orders issued regarding the checking of calculations in the measurement Books in the Sub Dn. Offices, by transferring the work of preparing and paying Bills in the Sub Dn. Office, for certain works having regard to the number of works in progress in each Sub Division. Before payments were made on Bills in the Division Office, it was,

(b) I consider, necessary to test the accuracy of the quantities of work done against the different Sub heads of the Estimates to know the correct value of work done during the month and up to date and as under the recent orders the Sub Division clerks were held responsible for the correctness of the arithmetical accuracy of the cubical contents of the several individual items therein appearing, it was considered necessary to add up the different items under each Sub head of Estimate, in the division office to find out the accuracy of the quantity of work done against the different Sub heads of Estimates as shown in the Bills.

(c) 3. As regards the discontinuance of Form No. 91 for the Mount Sub Dn., I have the honour to state that as this Sub Dn. Officer just like the other Sub Dn. Officers is generally out in camp for not less than 20 days in a month on the average, I consider it desirable to have a copy of the above Form for his use while in camp; otherwise the correspondence on this account would add to the present work in the Sub Division.

(d) 4. As regards the preparation of Work abstracts in the Sub Dn: Offices, I have the honour to state that as already explained, the Sub Divisions cannot be burdened with this additional work as I am confident that any attempt in this direction would certainly lead to throw the accounts work both in the Sub Division and Division Offices into arrears, especially considering that the Sub Dn: clerks also have to move in camp with the Sub Dl. Officers when necessity arises.

5. Further the Examiner P.W. Accts: Madras, considers that the payment of Bills & preparation of Work Abstracts in the Sub Dn: Offices gives the Sub Dl: Officers earlier information as to the progress of outlay than they can possibly have at present, but I have the honour to point out that in the Divisions like this where works are carried out by contract & piece-work and payments usually made monthly, which cannot generally be more than one or two at the most, the measurement Books give the required information earlier to the Sub Dn: Officers and to the Subordinates in charge of works, than any other record. These Books are always either with the Sub Dl: Officers or with the Subordinates in charge of works, who are always close to the Sub Dl: Officers. I would therefore point out that there seems to be no necessity for this Division to follow the procedure recommended by the Examiner P.W. Accounts Madras in para 15 of his Inspection notes on the Accounts of the North Arcot Division printed with G.O. No. 518 W d/16th March 1895, and request that the present practice of the preparation of Work Abstracts in the Division Office be permitted.

Tanjore

(e) 6. With regard to the Examiner's objection for copies of Bills being kept in the Division Office, I have the honour to state that in the case of intermediate Bills the only check required in the Division Office as per G.O. No. 2668 W d/26th September 1892 is to see as to the correctness of the total value of work done and previous payments made and in the absence of the measurement Books for the works concerned, the above information cannot in all cases be directly traced from the work abstracts, as this Form under the recent orders only deals with the monthly transactions nor can it be directly traced from the Work Register, when there are more contractors than one employed on one work and also when the total charges include Petty Supervision and other incidental charges not relating to the Bills in question.

7 Again in turning to the Contractor's Ledger for the above information a similar difficulty is experienced as the total value of work done up to end of previous month has to be separately worked out in a slip of paper by taking the figures from the Ledger month by month from the commencement of the work, and when coming to the payments up to end of previous month, the difficulty is increased when one cheque is issued for more than one work. In this case a reference has to be made to the entries in the Cash Book working up

to the amount of the cheque in question and this process has to be followed from the commencement of each transaction under reference.

8 Now after arriving at the correct figures by this circuitous method, it is found that the figures shown in the Bills under audit are incorrect, there is no alternative ~~alternative~~ for the Division Office but to return the Bills in question to the Sub Dn: officers for rectification of the errors without pointing out to them how and where the error in question has arisen, and the Sub Dn: Officer in his turn, when the Measurement Book concerned is not with him, will have to wait to carry out the corrections till the Measurement Book is received from the Subordinate in charge, the result being that the posting of the work abstract and Contractor's Ledger is kept back till the voucher is returned duly rectified.

9 On the other hand when copies of Bills are maintained the copying which only occupies a few minutes at a time, not only will all the above difficulties be overcome by making the necessary corrections at once and compiling the accounts concerned, the Sub Dl: Officers will be informed when the Bills are returned for rectification of errors, of all the particulars relating to the corrections in question, and he will then readily inform the Subordinate in charge of the work, if the measurement book is with him, of such corrections and the Subordinate in charge will then be able to return the vouchers earlier than he could do otherwise.

10 Under these circumstances I would recommend that copies of Bills be kept in cases where they are considered necessary.

× × — × ×

11. Para 8: The present procedure of posting the

Register

Register of Estimates affords ready information as to the total amount of Estimates sanctioned each year under different funds whereas when it is posted in chronological order, it certainly occupies more time in tracing out sanction to any individual work by turning over several pages from the commencement of the Register, especially considering that there are not less than 300 works on an average in a Division like Chingleput.

12 But under the present system, there will be very few pages to be turned over to find out the required sanction, by first referring to the Index where certain number of pages are allotted for each fund, and these pages under the different funds will be comparatively very few. In para 29 of the Last Inspection Report of this Division d/15th July 1893 it was also pointed out that Estimates as they are sanctioned should be posted into the Register of Works & Schedules of expenditure, but I have the honour to state that as several Estimates have to be kept back till funds are available, espe=cially T.R.S. works in the previous ~~works~~ years, this procedure cannot be followed.

13 As regards the Register of appropriations I have the honour to point out that the India Code Form 32 O, as modified by S.O. No 105 of 8th August 1892, shows appropriations by individual works and not by totals under different funds, and as the totals of appropriations at end of each month are not required, the Register has been proposed to be posted in chronological

order. But the above form as used in this Presidency does not show appropriations by individual works and requires the expenditure under each head to be compared with the total appropriation against it.

14 I do not therefore see the reason why the Register in question should not be posted to suit the requirements of this Presidency.

15 The appropriations are posted under different funds in the different pages set apart for them, in the order they are granted, and the totals under the different funds are carried to another page reserved for an abstract where the total appropriations to end of each month are struck, to arrive at the grant required to be shown in the letters of credit.

16 No separate statement is maintained in this Office at present to arrive at the total appropriations at end of each month, as the above Register affords the required information. As the present system of posting the above Register affords all the information required and suits for the present usage of Form No. 32 O in this Presidency, I would recommend that it may be adopted in this Presidency.

x x x x

I have &c

Signed - D. Marshall E.E.

1/2.95

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No. 244 W

8/

3/7

Copy. forwarded to the Chief Engineer P.W. Department (through the Examiner P.W. Accts:) with the recommendation that for the reasons stated by the Executive Engineer Chingleput the preparation of Work abstracts, the maintenance when necessary, of copies of bills in the Division Office, and the continuance of the present system of posting the register of sanctioned estimates and appropriations may be sanctioned.

1/7/95

Lt Colonel R. Ee.
Supg. Engineer V Circle

1st July
1895

From
The Supg Engineer
Fifth Circle

To
The Chief Engineer
P. W. Department

Dated 1st } July 1895.
Recd. }

PWS.1
5759/55

No. 244 W.

Executive Engineer's replies to paras 5 & 8 of the Examiner's Covering note on the Inspection report of the Chingleput Divn communicated with G. O. No 900 W. d/ 20-4-95

Forwarding the – with recommendation that preparation Work Abstracts &c may be sanctioned as per reasons stated by the Executive Engineer –

---

E. No. 27.
500-2-11-94.

KEEP-WITH CURRENT No.

dated 189 .

GOVT. OF MADRAS. } 1895. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 25 July 1895.

OFFICE NOTE No. 2645 A.

To
E. W.

Supg. Engineer's (5th. Circle) No. 244 W. dated Ist. July I895.

Forwarded with the following remarks:-

Executive Engineer's paras I & 2. I am at one with the Executive Engineer in his opinion that the clerical strength of sub-divisional offices should be strengthened, where necessary. This was the distinct recommendation of the P. W. D. Accounts Committee, as represented in my office note the proposals in which were negatived in G. O. No. 2439 W dated 22nd. November I893.

2. I however do not agree with him that the preparation of works-abstracts throws any appreciable work on sub-divisional offices, and on this point I would invite reference to paras I4 to I8 of my note published with G. O. No. 5I8 W. dated 6th. March I895.

3. Under Code volume I, I, 36 the only cases in which the measurement book

or sheets must be sent to the divisional office, and where an arithmetical check of the calculations should be carried out under the supervision of the accountant, are when the sub-divisional officer is not a gazetted officer or an upper subordinate, and when he is not empowered to draw out the contract certificate or to make the payments.

4. This rule, which is observed in every other Province, should be strictly adhered to.

5. I do not consider that the Executive Engineer has advanced any adequate reason in favour of the practice of making payments to contractors in the divisional office. The arguments against it were clearly stated in my office notes published with G.Os.No .2668 W.of 26th. September 1892, No.169 W.of 23rd.January 1895, and No.1386 W.of 10th.June 1895.

6. Executive Engineer's para 3. Under the circumstances stated there is no objection to form No.91 being sent to the Mount Sub-divisional officer.

7. Executive Engineer's paras 4 & 5. The Executive Engineer here really advances a reason against his contention that the preparation of works-abstracts in Sub-divisional offices will throw work on them with which they cannot cope; for if in his division "works are carried out by contract and piece-work, and payments usually made monthly, which cannot generally be more than one or two at the most",

---

17TH MAY 1893, No. 1328 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

## PUBLIC WORKS DEPARTMENT.

General.
**Establishment.**

READ— the following papers :—

From the Superintending Engineer, I Circle, dated 11th April 1893, No. 30 G. L.
„ Examiner, Public Works Accounts, „ 21st „ „ „ 1387 C.
„ Superintending Engineer, IV Circle „ 2nd May „ „ 182 W.

ORDER—dated 17th May 1893, No. 1328 W., Public Works.

The orders issued in G.O., No. 1233 W., dated 28th April 1890, should be taken as superseded by G.O., No. 840 W., dated 28th March 1893. The incidence of the charges incurred in the employment of watchmen for rest-houses will accordingly be governed by para. 67, chapter VII of the Public Works Code; but as it is desirable that charges for watchmen for buildings and stores should be subject to careful scrutiny, all proposals for the employment of such men should be submitted for the sanction of Government.

(True Extract.)

(Signed) J. HANNAN,
Ag. Joint Secy. to Govt., P.W.D.,
General, Buildings and Roads Branch.

To the Superintending Engineer, I Circle.
„ the Superintending Engineer, IV Circle.
„ other Superintending Engineers.
„ the Superintendent of Works, No. I Periyár division.
„ the Consulting Architect.
„ the Examiner, Public Works Accounts.
„ the Chief Engineer for Irrigation.

Exd. C. A. Muniswamy.
Spare Copies

GENERAL.
ESTABLISHMENT.

## Govt. of {1893} Madras.

## PUBLIC WORKS.

Dated May, 17th.

Recd. Encl.

G.O., 17th May 1893, No. 1328 W.

MAY.

### Watchmen for Rest-houses.

Directing that the orders issued in G.O., No. 1233 W., dated 28th April 1890, regarding the incidence of the cost of — should be taken as superseded by G.O., No. 840 W., dated 28th March 1893, and that all proposals for the employment of these men should be submitted for the sanction of Government.

Engineer —

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## Madura Division

Statement showing Watchman employed to look after rest houses &c. whose pay is charged to works for the year 1895-96 and requiring sanction of Government as per G.O. No 1328 W dated 17' May 1893 (VI Circle)

| Item number | Number employed | Particulars | Estimate for 95-96 | Remarks. |
|---|---|---|---|---|
| 1 | 1 | Watchman for the Divisional Stores for 4 months & 6 days from 1st March to 6' July 1895 at Rs 6 per mensem | Rs 25 | Dispensed with vide Supdg Engr's No. 304 Md / 3.7.95 |

Madura
23d July 1895 }

Signed M. V. Sambasiva Aiyar
for Executive Engineer
Madura Dn

No. 389 Md.

Copy submitted to the Chief Engineer, P.W.D. for sanction of Government, as a special case, to pass the outlay already incurred.

2. The watchman was entertained by the Executive Engineer, without authority, and his services have been ordered to be dispensed with.

V. Hughes
Supdg Engineer
6 Circle

Dt. 27 July 1895
as/- D/27-

P.W. CURRENT No. 5862

From
The Supg Engineer
VI Circle

To
The Chief Engineer
P.W.D.

No. 389 Md
D/. 27 July 1895

No 1328 W d/ 17-5-93

Recd: 29-7-95
4-45 PM

Watchmen for Divisional Stores at Madura:—
Submitting for sanction, as a special case, a statement of watchman already employed, in order that the outlay already incurred may be passed.

B/

o.L.S. 262
R 3/8

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PUBLIC WORKS DEPARTMENT.

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Suptg: Engineer VI Circle No. 389 Md d/27th July 1895

In the circumstances stated, the employment, from 1st March to 6th July 1895, of a watchman on Rs 6 pr mensem for the Divisional Stores at Madura, is sanctioned.

1/8/95

DESPATCHED
14 AUG. 95

The S.E. VI circle
" Exar P.W. Accts

(40—4,000—14-3-95.)

P.W. CURRENT No. 584

Watchman for Stores at Madras

No. 2006 W. of 12th August 1895

BCM

INDEXED.

2c 15/6

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| Progress of work in<br>August 18 . |  | July. 18 . |  | June. 18 . |  | May. 18 . |  | April. 18 . |  | Name of work, amount of Estimate and Allotment for the year. |  |  |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  | Remarks as to progress of work for each month are entered here. |  | Value of work done.<br>Payment made. | Estimate Rs.<br>Allotment Rs. | Amount of Estimate No.<br>Expenditure to end of previous year.<br>Allotment for the current year. |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

| REMARKS. SHOWING | | | | | | |
|---|---|---|---|---|---|---|
| March.<br>18 . | February.<br>18 . | January.<br>18 . | December.<br>18 . | November.<br>18 . | October.<br>18 . | September.<br>18 . |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| PROGRESS OF WORK IN | | | | | Name of work, amount of Estimate and Allotment for the year. | |
|---|---|---|---|---|---|---|
| August.<br>18 . | July.<br>18 . | June.<br>18 . | May.<br>18 . | April.<br>18 . | Value of work done.<br>Payment made. | Estimate Rs.<br>Allotment Rs. |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| REMARKS. | SHOWING | | | | | |
|---|---|---|---|---|---|---|
| March. | February. | January. | December. | November. | October. | September. |
| 18 . | 18 . | 18 . | 18 . | 18 . | 18 . | 18 . |

ENGINEER'S OFF No 157 9 APR.95 P.W.D. CIRCLE

EXAMINER No. 1782B 8 JUL 1895 ACCOUNTS

PWCA 3
4470/95
5-5-83

Letter from the Executive Engineer, Buckingham Canal Dn., to the Supg. Engineer, 2nd Circle, dd 18·4·95. No. 166.

EXAMINER No. 1782 B. 8 JUL 1895 P. W. ACCOUNTS

I have the honour to report that the final record in the Sub Dl. Office of work abstracts after compilation in Dl. Office gives the Sub Dl. Officer all the information that the late Madras form No. 91 is intended to give & even more, because work abstracts show in addition

(a) Expenditure on each subhead
(b) Working rate
(c) Amount of arrears due to Laborers Pieceworkers & Contractors.

2. To find out easily when the last expenditure was incurred on any work the work abstracts should be kept in the Sub Dl. Office sorted by works, the latest being kept on the top, instead of by months.

3. Form No. M 91 has been in use in this Dn. for some time, in addition to the final record of work abstracts in Sub Dl. Offices. The Sub Dl. Officers have lately been asked to say whether form No. 91 serves any useful purpose which the work

abstracts do not, and if not, whether it can be discontinued. Both the Sub Dl. Officers have in reply proposed its discontinuance.

4. As regards the Comparison of the total expenditure in the grants, a Divisional Officer cannot but make a monthly review in order to append the necessary explanations to the Progress Reports submitted monthly to the Supg Engineer & by him to the Chief Engineer, and a communication of the result to Sub Dl. Officers monthly or quarterly according to necessity ensures a more efficient control over expenditure than the mere filling in of Form No. 91. This has been tried by me with very good results.

5. For these reasons I do not consider the use of Form No. M 91 necessary at all. It only increases work without corresponding advantage resulting, for it simply repeats the same information which is contained in work Abstracts.

Com. to to No. 1376 / 22.6.95

/ True Copy /

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

OLS+2 / 6590/55 / 583

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Letter from the Executive Engineer, Kistna Western Dn., to the Supg Engineer 2nd Circle, dy 8.4.1895, No. 21 S.

With reference to your endorsement No. 683 yb dy 24.3.95 I have the honour to offer the following remarks on para 15 of the Examiner's Inspection Notes printed in G.O. No. 518 W dated 6.3.95, regarding the Compilation of Work Abstracts in Sub Dn. Offices.

Para 15, Clause I of the Examiner's Repr.

There is no reason why the work Abstracts should not be prepared in Sub Dn. Offices if an additional Clerk is sanctioned for each Sub Dn. for doing this work as well as to assist the Sub Dl. Clerk in other works.

No. $\frac{26 S}{18.4.94}$; $\frac{190 S}{30.6.94}$ + $\frac{518 S}{21.1.95}$

I have already in my letters as per margin strongly advocated the expediency of an additional Clerk being sanctioned for each of my sub Dl. Offices to cope with the present heavy office work, but none have been sanctioned up to date. My sub Dl. Officers frequently complain that the work in their Offices is very heavy and I admit this fact in as much as all the Project works are in full progress. With this state of Office work in Sub Dl. Offices

I consider I am not justified in throwing any additional work on them without providing sufficient establishment for conducting that work. It may not be uncalled for to point out here that for each of the 3 Delta Sub Dn. Offices of the Godavari Western Dn. a permanent additional clerk V class 1st grade is sanctioned in G.O. No. 3010 W / 13.11.90 and even with this assistance, I am told, that Sub Dl. Officers are unable to compile the Work Abstracts in their Offices. The work in the Sub Dn. Offices of this Dn. is precisely similar to that of the Godavari Sub Dns. and I do not see why the same establishment should not be allowed here.

I, therefore, strongly recommend that a permanent clerk V class 1st grade be sanctioned for each Sub Dl. Office before imposing the additional work of Work Abstracts' compilation on Sub Dl. Offices.

Para 15 - Clause II

This, can be done as regards adjustment and stock entries.

Para 15 - Clause III

I do not consider this necessary except for the last 3 months of the Official year and if the Work Abstracts are compiled in Sub Dl. Offices even this may be dispensed with.

As regards the use of late Madras form No. M 91 proposed by the Examiner, I must say it is a suitable one, but at the same time, I must point out that it is not complete as it contains no provision for showing the progress of the work during the month or up to date. In this Dn., a local form which is more complete is in use and I consider it decidedly preferable to form No. M 91. I enclose a sample for your information. If form No. M 91 is used another form, viz. No. M 90, has also to be used to give information regarding the Progress of and approximate value of work done on each work. In the local form all information is recorded and the monthly Progress Reports which have to be sent to your Office can be at once written up from it.

Enclos: 2

No. 127 G6 / 28.6.95 Forwarded to the Chief Engineer, P.W. Department with reference to Para 2 of G.O. No. 518 W dt 6th March 1895 for favour of orders regarding the use of the form enclosed in place of the old Madras Form No. M 91.

2. A copy of letter No. 166 dt 18th April from the Executive Engineer, Buckingham Canal Dn. is enclosed in which he states that Form No. M91 is not necessary when work Abstracts are finally recorded in the Sub Dn. Offices after Compilation in the Dn. Office.

3. The undersigned agrees with Mr. Malet that the preparation of work Abstracts in the Delta Sub Dn. Offices cannot be undertaken unless the additional establishment already applied for is Sanctioned.

W Baddeley
Major R.E.
Supdg Engineer
2nd Circle

J.N.

From

The Supdg Engineer
Second Circle

To

The Chief Engineer
P. W. Department

Dated 28th June 1895

Encl 2

No 127 G

Inspection notes of the Examiner P.W.A on the accounts of the Tanjore Dn — Offering certain remarks regarding the compilation of work abstracts in Sub Divisional Offices &c as pointed out in the —

O.L.S. 186
K 5/7

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P. W. CURRENT No. ~~4970~~

5-7

5583/55

No. 518 W of 6-3-95
3010 W of 13-11-90

Encls 2

Recd: 1-7-95

B Early 8/ 8/7

No 2209 C. d/6th July/1895.

To C

For favour of remarks.

CHAS
3/7 95 D.W.

G.O. No 518 W of 6-3-95 (R No 682 of 18-3-95) in A.B.

B.R.
8-7

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E. No. 27.
500—2-11-94.

-WITH CURRENT No.

ated 189 .

GOVT. OF MADRAS. } 1895. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 19th July 1895.

OFFICE NOTE No. 2582-C

To

W.

Your office note No.2209 C.dated 6th.July 1895.

Form M.9I.

With reference to Buckingham Canal Division Executive Engineer's suggestion to discontinue the use of Form M.9I,in his division,it may be pointed out that since his letter dated I8th.April I895 was written Government have ordered that totals of "previous expenditure" and "total to end of month" need not be brought forward in Work Abstracts (G.O. No.II30 W.dated I3th.May I895).The work abstract will therefore not give the Sub-divisional officer the necessary information.

2. Form M.9I was suggested by the Examiner and accepted by Government as most suitable for the purpose of keeping Sub-divisional officers informed of the progress of outlay on works.The form suggested by the Executive Engineer,Kistna Western Division, provides in addition for information which the

Executive Engineer would probably have to obtain from the Sub-divisional officer, and is apparently the means of keeping him informed of the total approximate value of work done whether billed for or not and explanation for shortcomings etc.

3. The objections raised by the Executive Engineer to Form M.9I have not been sufficiently considered. If the information which he says the form does not give, if ever needed, can readily be obtained as follows:-

4. Form M.9I gives the "current years expenditure to the end of the month, and the total outlay can easily be obtained by adding previous years expenditure. So also the months expenditure would be figures entered in the column for that month minus the outlay to end of previous month.

5. So far as a knowledge of approximate outlay is concerned the Sub-divisional officer is in a better position than Executive Engineer.

6. There was no intention whatever of doing away with Form 90, in which Executive Engineer has to report monthly to Supg. Engineer the progress on each work estimated to cost over Rs.2500, and the same form should in my opinion be used by the Sub-divisional officer, or Subordinate in immediate charge of the work, for making his remarks regarding progress and not the form used by Executive Engineer.

x 800C 22-2-93

## Strengthening of Sub-divisional office.

7. In regard to the proposal to strengthen the Sub-divisional office it was shown that the preparation of works abstracts would not throw any appreciable work on Sub-divisional offices; but on the subject generally reference is invited to the strong recommendation made in Examiner's office note No. 210 C. dated 30th. January 1893.

19/7

C.

19/7

En.

5583

13.5.85 - No. 1130 W
6.3.85 .. 518 W
13.11.90 .. 3010 W
22.9.93 .. 2439 W

Rec: 20.7.95

Read [illegible] 4970

No. 2005 W. of 14th August 189

B
1 [illegible]

The Exr's office note will be communicated to the Supdg. Engr. II Circle.

2. With reference to para 7 of the Exr's office note, attention is drawn to G.O. No. 2439 W. of 22d. Sept. 1893, the last para of which may be acted on by the Supdg. Engr.

J. S.

S. E. II Circle Vide 15/8
Exr. P. W. A.

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C.F. 73.

P. W. D. DEPARTMENT.

Paper taken out of the Records from the charge of the Referencer.

Press
Miscellaneous No. 2004, dated 17-9- 193 1895.
Routine

| Date taken out. | FOR WHAT PURPOSE. | | | Initials of clerk taking the paper or of attender. | Date returned. | Initials of attender. |
|---|---|---|---|---|---|---|
| | Department. | C. No. | Year. | | | |
| | ~~Placed in the Common Bundle of Indian States & British India~~ | | | | | [illegible] |
| | | | | | | 27-37 |
| | | | | | 26.4.38 | [illegible] |

5583

13.5.85 - No. 1130 W
6.3.85 .. 518 W
13.11.90 .. 3010 W
22.9.93 .. 2439 W

Recd: 20.7.95

Read encs 4970

No. 2005 W. d/ 14 August 1895

B
1st

The Exrs office note will be communicated to the Supdg. Engr II Circle.

2. With reference to para 7 of the Exrs office note, attention is drawn to G.O No. 2439 W. d/ 22d Sept. 1893. the last para of which may be acted on by the Supdg. Engr.

45

S. E. II Circle 24/5

Exr. P. W. A.

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From

The Chief Engineer for Engg.

To

The Chief Engineer P.W.D.

No. 50 E.W.

Dated 8-7-95

Enclos. 2

Subject

Ancient Superintendents in the North Arcot Dn.

Letter from the S.E suggesting certain proposal to increase the pay of certain

— Forwarded for favor of sanction

---

P. W. CURRENT No. ~~5280~~

5765

No. 50. E.W.

— Forwarded to the Chief Engineer P. W. D. for favor of sanction.

Rundall Hinchman
Col. R.E.
Chief Engineer for Irrigation
Madras
8th July/95.

Recd: ~~11-7-95~~ 24-7-95
Enclos 2

No. 2323 C. dated 17 July 1895.

To C
For favour of remarks.

W.
18/7

No. 2622 D/E d/ 24-7-95 for W

To W.

It is for Government to decide whether the increases proposed should be granted on public grounds. The rates of pay entered in column "Present Scale" of the statement have been checked and found correct.

O.L.S. 255
R 2/8 O.L.S. 218. R 17/7

B/ 24/7
C

19 JUL 1895

# Statement of proposal for revision of Establishment

| Order sanctioning p establishment | | Office to which the proposition refers. | Nature of change | | | | | | | | | | | | Proposal | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Present scale | | | | | | Proposed scale | | | | | | Permanent | | Temporary | | | | |
| | | | | | Pay | | | | | | Pay | | | | | | Increase per month | | Decrease per month | | |
| No | date | | No | Designation | minimum | Increment | maximum | Amount fixed. | No | Designation | minimum | Increment | maximum | Amount fixed | Period | Amount | Period | Amount | Period | Amount | |
| | | North Arcot Division | 1 | Kuppusawmy Moor-amint Supt. | " | " | - | 30 | 1 | Kuppusawmy Moor- Superintt | " | " | " | 35 | From 1st July 1895 | | " | - | - | , | N.B The promotion will only be made Sub. pro. Temp. pending sanction of new scheme for channel Superintendents |
| | | | ½ | T. G. Ruthna Moor-amint Supt. | " | " | - | 27 | ½ | T. G. Ruthna Moor- Superintendent | " | " | " | 35 | | | " | " | " | " | |

Hannan
Superintending Engineer
4th Circle

Executive Engineer
N. A. D.
17 June 95

P. W. Corr. No. 5705

Enclo 2
Recd: 24.7.95

SUPG. ENGINEER'S OFFICE P.W.D.
No. 3461 W
18 JUN. 95
Enclo: 1
FOURTH CIRCLE.

CHIEF ENGINEER
FOR IRRIGATION.
24 JUN. 95
No. 6042

On 2
[illegible]
5705

No. 168 / S.E.

North Arcot Division office

17th June 189

From

H. E. Clerk Esquire

Executive Engineer

North Arcot Division

To

The Superintending Engineer

IVth Circle

Enclosure - 1
Proposition statement.

19 JUL 1895
ACCOUNTS

Sir,

In forwarding the accompanying proposition statement for the increase of pay of two anicut Superintendents, I have the honor to call your attention to the fact that there appears to be no change of the large scheme of grading channel superintendents being sanctioned for some time and that it is absolutely necessary to give some promotion to the few capable men I have now or they will abandon their posts.

Chance?

2. The men whom I consider deserving of promotion are:—

(a) Kuppuswami Mudaliyar who has worked for many years in this District he is specially exempted: he is a hardworking intelligent man and has done good work lately both in the preparation of Estimates and in Supervising work at the Palar Anicut.

(b) Rathna Mudaliyar; he has recently accepted a post on Rs 27 per mensem in the hopes of getting promotion under the new Scheme. He is a good Surveyor and a useful man. He has been employed in the Department as Surveyor or a temporary Overseer since 1877 and Mr Ainley the Sub-Divisional officer has asked to have him made a Sub-Overseer. He is well worthy of an increase of pay to Rs 35.

I request that very early Sanction to these Small increases may be obtained.

I have &c &c

(Signed) H. E. Clerk
Executive Engineer
N. A. Dn

No. 124/E.I. dated 21st June 95

Copy forwarded to the Chief Engineer for Irrigation with a request that he will be good enough to obtain the Sanction of Government to the proposed increase of pay.

Superintending Engineer
Circle

CHIEF ENGINEER
FOR IRRIGATION.
24 JUN. 95
No. 40ka

From

The Supg. Engineer
4th Circle -

Dated 21st }
Despd. 22nd } June 1895

Recd 28/6/95

No 124/E.I.

P.S.E.1
~~5700~~/95
5705

Enclo: 1

Anicut Superintendents.

Requesting to obtain sanction of Government to the proposed increase of pay to certain — in the North Arcot Division.

Rues 8/7

---

No. 46 E.W.

Forwarded to the Chief Engineer. P.W.D.

Please let me know when the proposed scheme for replacing the Existing Conservancy Establishment by permanent Upper & Lower subordinates, is likely to be introduced -

Rundall Brickman
Colonel. R.E.
Chief Engineer for Irrign.
Ootacamund
28th June 1895

No. 483 D 2d July 1895
R 86
To, E.I.

Impossible to say at present, but I think not before the end of this official year

D
E.W.
1/7

OS 173.

---

PUBLIC WORKS DEPARTMENT.

No. 2004 W. dated 12th August 1895

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Suptg. Engineer IV circle, No. 124 E.I. d/21st June 1895
" the Chief Engineer for Irrigation No. 46 E.W. d/28th June 1895
" Do No. 50 E.W. d/8th July 1895
Do Do No. 483 D d/20th July 1895
From the Examiner P.W. Accounts No. 2622 D/E d/24th July 1895

The increased rate of pay, viz Rs 35 per mensem, proposed for each of the Anicut Superintendents, Kuppusawmy Mudaliar and T. G. Ruthna Mudaliar, of the North Arcot Division, is sanctioned provisionally from the 1st July 1895, pending revision of the scale of conservancy establishment.

W
30 July

2. This sanction has been

(40—4,000—14-3-95.)

been registered as Provincial No. 41 W of 1895-96, and classified as Establishment, Permanent.

CONCERNS BOTH BRITISH INDIA AND INDIAN STATES.

Increase of pay to Anicut Superintendents, North Arcot Division

No. 2004 W, 14 August 1895

DESPATCHED
14 AUG. 95
No. 1448

To
The Chief Engineer for Irrign.
" Supdg. Engr. IV circle
" Exar. P.W. Accounts

C.F. 73.

| Date taken out. | For what purpose. | | | Initials of clerk taking the paper or of attender. | Date returned. | Initials of attender. |
|---|---|---|---|---|---|---|
| | Department. | C. No. | Year. | | | |

---

18th July 1895, No. 531, Financial.

# GOVERNMENT OF MADRAS.

## FINANCIAL DEPARTMENT.

Read—the following papers :—

Resolution of the Government of India, Finance and Commerce Department (Accounts and Finance—Estimates and Accounts), dated Simla, the 30th April 1895, No. 1883-A.

The Governor-General in Council has noticed that, in preparing the budget estimates for exchange compensation allowance for 1895–96, a uniform plan was not adopted in all provinces, and that in some the amount of exchange compensation allowance was considerably over-estimated in the estimates as first received. His Excellency in Council directs that in future the budget estimates for exchange compensation allowance should be calculated from the amounts (1) paid in the previous year, and (2) entered in the revised estimate as likely to be paid in the year drawing to an end when the budget estimate for the next year is prepared, the proportion to those amounts depending on the percentages of salary payable in the two years (1) and (2) and that resulting from the rate of exchange adopted for calculating exchange compensation allowance in the budget estimates. If there is a difference in the result of the calculations from the two years (1) and (2), that which is considered to be the better guide to the payments in the year to which the budget estimates relate should be adopted.

*Order.*—Ordered, that this Resolution be communicated to all Local Governments and Administrations, to the Comptroller and Auditor General, and to all Accountants General and Comptrollers.

(Signed) R. NATHAN,
*Offg. Under Secy. to the Govt. of India.*

G.O., dated 23rd May 1893, Nos. 410, 411, Financial.

From the Secretary to the Government of India, Finance and Commerce Department, dated Simla, the 27th June 1895, No. 3036-A.

Order—dated 18th July 1895, No. 531, Financial.

Communicated to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary for careful attention.

(True Extract.)

J. F. PRICE,
*Chief Secretary.*

To the Revenue Department.
" the Public Works Department.
" all Heads of Departments.

Exd. A. Raitt.

## Govt. of {1895} Madras.

## FINANCIAL.

Issued

Recd. Encl.

**G.O., 18th July 1895, No. 531.**

**JULY.**

No. 2003 Wd 12th August 1895

Communicated to officers of the P.W. Dept.

(Sd) J.P.W.

C.E. for I

C.E. for Rys.

S. Es.

C.A. to Govt.

S of W P.P.

Exr: P.W.A.

Exr: Rys A.

### Exchange Compensation Allowance.

Communicating to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary, for careful attention, orders of the Government of India regarding the provision for — in the budget estimates.

---

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J. F. PRICE,
*Chief Secretary.*

To the Revenue Department.
,, the Public Works Department.
,, all Heads of Departments.

Exd. A. Raitt.

# Govt. of {1895} Madras.

## FINANCIAL.

40 S.C
Issued 0u555/55
Recd. Encl.

**G.O., 18th July 1895, No. 531.**

**JULY.**

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Communicating to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary, for careful attention, orders of the Government of India regarding the provision for — in the budget estimates.

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18th July 1895, No. 531, Financial.

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(True Extract.)

J. F. PRICE,
*Chief Secretary.*

To the Revenue Department.
" the Public Works Department.
" all Heads of Departments.

Exd. A. Raitt.

# Govt. of {1895} Madras.

## FINANCIAL.

№ 2003 W. of 14th August 1895

Communicated to
officers of the P. W. Dept.
(Sd) J. P. W.

Issued

Recd. Encl.

**G.O., 18th July 1895, No. 531.**

**JULY.**

C. E. for I
C. E. for Rys.
S. Es.
C. A. to Govt:
S of W P. P.
Exr: P. W. A
Exr: Ry: A

## Exchange Compensation Allowance.

Communicating to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary, for careful attention, orders of the Government of India regarding the provision for — in the budget estimates.

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18th July 1895, No. 531, Financial.

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*Order.*—Ordered, that this Resolution be communicated to all Local Governments and Administrations, to the Comptroller and Auditor General, and to all Accountants General and Comptrollers.

(Signed) R. NATHAN,
*Offg. Under Secy. to the Govt. of India.*

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Order—dated 18th July 1895, No. 531, Financial.

Communicated to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary for careful attention.

(True Extract.)

Francis
for *Chief Secretary.*

To the Revenue Department.
,, the Public Works Department.
,, all Heads of Departments.

Exd. A. Raitt.

A. W. CURRENT No. 5951

# Govt. of {1895} Madras.

**FINANCIAL.**

405.C

Acco: 2. 8. 95

No. 2003 W of 14th August 1895

B

Communicated to officers of the P.W. Dept.

Issued

Recd. Encl.

G.O., 18th July 1895, No. 531.

JULY.

DESPATCHED
14 AUG. 95
J.C. 15/8.

C.E. for I with 25 C
C.E. for Rys. with 5 SC
Supdg. Engrs.
C.A. to Govt. with 4 SC
Supdt. P.P. Dept
Exr. P.W.A. with 65 copies
Exr. Ry. A. with 4 SC

**Exchange Compensation Allowance.**

Communicating to the Departments of the Secretariat and to all Heads of Departments under the Chief Secretary, for careful attention, orders of the Government of India regarding the provision for — in the budget estimates.

---

No: 388 Ind.

Copy submitted to the Chief Engineer, P.W.D. for sanction of Government

2. The employment of a Sweeper is considered necessary and he has been entertained with effect from the 15th May 1895, by the Executive Engineer, in anticipation of sanction.

W Hughes
Supg Engineer
6 Circle

Dt. 27 July 1895

D/27.

P. W. D. Form No 113.

Part II.

# MADRAS PRESIDENCY

## Statement of proposition for revision of establishment. for 1895-96

P. W. D. Form No 13.

Part II.

| Order sanctioning present establishment. Govt. of P. W. D. No. | Date. | Office to which the proposition refers. | Nature of changes. Present scale. No. | Designation. | Pay. Minimum. | Increment. | Maximum. | Average or fixed.* | Total cost. |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | Rs. | Rs. | Rs. | Rs. | |
| | „ | Madura Dn | . | . | | | | | |
| | | | | Total .. | .. | .. | .. | .. | |

| Proposed scale. No. | Designation. | Pay. Minimum. | Increment. | Maximum. | Average or fixed.* | Total cost. | Proposition. Permanent. Increase per month. Amount. | Decrease per month. Amount. | Temporary. Increase per month. Period. | Amount. | Decrease per month. Period. | Amount. | Remarks. |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Rs. | Mon. | Rs. | Mon. | Rs. | |
| | Petty Establishment. | | | | | | | | | | | | |
| 1 | Tottie for 9½ months from 15th May 95 to 28th February 96 | „ | „ | „ | 1/2 | 14 | „ | „ | 9½ | 14 | „ | — | The Tottie is necessary to clean the latrine. Payment was being made for the purpose from office contingencies which has been objected by the Examiner P.W.A. |
| | Total .. | .. | .. | .. | .. | 14 | - | - | .. | 14 | .. | - | |

* In the case of appointments on progressive pay, the "average" should be calculated according to the rules in the Pay and Acting allowance code.

Certified that the entries under the head "present scale" have been duly verified by me.

Examiner, P. W. Accounts,

Dated the ____________ 189

Madras.

No 2215 E
14.7.95
To The Supg Engr VI Circle

Signed J. H. Medlicott
Executive Engineer,

Dated the ____________ 189 .

Madura Division.

P.T.O

No: 388 Md.

Copy submitted to the Chief Engineer, P.W.D. for sanction of Government

2. The employment of a sweeper is considered necessary and he has been entertained with effect from the 15th May 1895, by the Executive Engineer, in anticipation of sanction.

W Hughes
Supdg Engineer
6 Circle

Dd. 27 July 1895
D/27.

---

PUBLIC WORKS DEPARTMENT.

No 2002 W dd 14th August 1895

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Suptg: Engineer VI circle, No 388 Md dd 27 July 1895

The entertainment, for 9½ months from 15th May 1895, of a sweeper on Rs 4½ per mensem for the Madura Division office, is sanctioned.

2. This sanction has been registered as Provincial No 42 W of 1895-96, and classified as Establishment, Temporary.

1/8 95

DESPATCHED
~~14~~ 15 AUG. 95

The S.E. VI circle
" Exar. P.W. Accts

(40—4,000—14-3-95.)

Sweeper for [illegible]

D [illegible]

No. 2002 Wdy 14th August 1895

BCM

INDEXED

2.12/8

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D. P. W.
Form No. 7.

EXAMINER
1416/3
5 JUN 1895
W ACCOUNTS

No. 2428
27.5.95

Executive Engineer's Office Bellary,
Dated 25th May 1895.

From J. F. Somers. Esc Esquire
EXECUTIVE ENGINEER
BELLARY DIVISION.

3/

To
The Supdg Engineer
III Circle
Bellary.

Sir,

With reference to your No. 125 dated 10th April 1895 on the Inspection Notes of this Division, embodied in G.O No. 701 W dated 22nd March 95, I have the honor to state as follows & request you will forward to the Examiner.

2. Paras 1 to 4. Call for no remarks.

3. Para 5. The Accountant has been ordered to sign the certificate of count in future before issuing book.

This is now [illegible]

4. Para 6. These returns are now correctly prepared by Sub Divl. Officers.

5. Para 7. The Sub Divl. Officer Anantapur has been instructed to use the Remittance book in future.

6. Para 8. The Cash balance statement is now prepared on the 1st of each month

7 Para 9. No folio is now left blank at end of the month in the Cash Book.

8 Para 10. Works are not generally commenced without Estimate or appropriation. In emergent cases however where works cannot await sanction to Estimates prior sanction of the Supdg Engineer will be obtained.

9 Para 11(a) The Register is now being correctly kept up.

10 Para 11(b) The Sub Divl. Officers check of measurements were supposed to be final, I understood. ?

11 Para 12. I gave no such order, my order was that copies of measurement sheets should be submitted to the Division Office, and I maintain that this is necessary, correct & proper* and that if not done, a great opening for fraud is introduced. The theory of the present system is perfect. In practice I have not seen its advantages – a bad subordinate – a slack Sub Divl. Officer, or an indifferent Executive Engineer, throws the ~~old~~ whole thing out of gear. I have had experience of five divisions & I am certain that in neither of these were the Measurement Books kept in a way to form the sole record of the work of a subordinate.

* but it is against the ruling of the Code! CM.

12. Measurement sheets+ in a Divn. Office on one occasion helped me to save the reputation of a subordinate, on another occasion it was only by those means that I was enabled to pick out the very ravelled threads of a large work that had been abandoned for some years. I refer to the Surada Reservoir –

+ The measurement Book cld: have done that, if it was not lost. CM.

13. I submit that in case a subordinate does want to be dishonest all he now has to do is to lose his Measurement Book. although this may be suspicious he cannot be punished for such an accident.(!)

14. Supposing for instance some foundations or earthwork pits are measured correctly by an honest subordinate in Book I. These pits or founds are covered up – Nothing is easier for No 2

subordinate (on supposition dishonest) in ~~the~~ another bill to remeasure in book No. 2, & lose book No. 1: the voucher would show a quantity I admit, but of this there would be no copy either in Sub Divl. office or in the Divn. office according to the new rules.# If a subordinate knows there is filed in another place a complete record, it would make him hesitate, at least. Sub Divl. officers are very hard worked people at times, and personally speaking I should many times have found it impossible to check bills with measurement books in a rush of payments.

# It would be with the Examiner & any fraud of the kind must inevitably be detected.
CG.

15 I have been recently over the accounts of this Division with the monthly accounts and work registers: with the work abstracts are filed the measurement sheets and I can say that I now know some thing of what is going going on.

16 During my last tour round the Anantapur Sub Divn., as a test case, I kept constantly asking for measurement Books as occasion arose. It was wonderful the number of difficulties that arose in procuring them. When obtained the reason for having them had vanished.

17 I would note that the copies of the measurement books are not made in the Sub D. office but by Subordinates' Clerks, men who are not as a rule overburdened with work. In the Rushikulya Divn. where their work was heavy no difficulty was found in this respect.

I do not ch. all office
CG.

18 While no Exec Engineer can refrain from admiring the great assistance the Examiner has given him in the way of facilitating & simplifying work, yet in this instance I think Government Interests

are not sufficiently safe guarded to a very serious extent, and now the matter is no longer left to the descretion of the Exec: Engineer, I venture to put forward my views, in the hope that the order may be modified. I may add that in conversation with some of my best subordinates they fully recognize the danger.

Better to have done that & obtained orders before violating Code Rules.
BM

19 Para 13. The excesses noticed were sanctioned by the Exec: Engineer. Agreements are now taken for all works.

20 Para 14. This is now being sent up for Exec: Engineer's inspection.

21 Para 15. Calls for no remarks.

22 Para 16. Government of India forms have been indented for.

23 Para 17. (a) & (c) Contractors materials are now being shown under a separate sub head. "Advances to Contractors for materials". If these materials are charged off to sub heads concerned as suggested by the Examiner, there would be no surety that the register of works would exhibit the correct rate for work done, and this is important from an Executive point of view.

The above remark applies here also. It is not under stood how the correct rate would be shown in the Work Register if advances are sh

The [illegible] already [illegible] settled

suggested by the E.E.

24. Para 17 (b) This has now been shown under a separate subhead. "Advances to Contractors for materials"

25. Paras 18 (a) & (b) Noted.

26. Para 19. This seems to be opposed to Code rule that no sub head under Rs 500 should be separately detailed in the Register of works. It appears to the Exec: Engineer that Circular No 38 might be withdrawn.

Better to have made a reference abt. it before disregarding it.

27. Para 20 (a) work completed and completion report sent.

28. Para 20 (b) (c) & (d) The Exec: Engineer is of opinion that with the exception of (b) ii & (d) ii the rest are contingent charges & should be met from the provision for Contingencies.

29. (b) ii & (d) ii These charges will be removed from Contingencies to the correct Subheads.

30. Para 21. An Index for the Current year

has been ordered to be opened out and has been done.

31 Para 22. Contractors materials are now being shown separately from Departmental materials.

32 Para 23. Noted.

33 Para 24(a) & (b) I regret to say I am at issue with the Examiner, & I am speaking as a Sub Divl Officer who tried it. I can recollect the time when the work Abstract was a jumble of figures put in front of me to be signed and I signed them. Such a time probably occurs to every beginner. I know they were prepared wrongly and had to be revised in Divl Office where frequently more mistakes were added.

34 The class of writer in a Sub Divl Officer's Office is very often not up to the work. He knows nothing of the use of a work abstract never having been in a Divisional Office possibly.

Moreover a Sub Divl Office is not elastic enough, nor ~~is~~ as it generally travels, it is not often convenient or possible to be punctual — a clerk on a heavy line of March can only about keep up current work. As a practical case I may mention that last month two of the Sub Divl Officer's writers in this Division were actually sick. What would have happened. The whole Divisional Accounts would either have been delayed or fudged. Work registers could not have been posted up and totals would have been arrived at from the Cash Extracts.

There is a good deal of truth in this, but it is no excuse for violating a G.O. without orders.
Ell.

35 I will guarantee that not 50 per cent of the Sub Dl Officers in the Department can sit down and write up a complicated work abstract; how then can they instruct their clerks. Moreover Additions & subtractions

made in Divl. Office ought I admit to be communicated to the Sub Dl. Officer. As a matter of fact it is the exception not the rule.

From high to low, in whatever Division I have been in, all are in favor of the preparation of work abstracts in the Division office.

36 Para 25. Savings bank Pass Books are all now in the name of the Exec: Engineer.

37 Para 26. Noted.

38 Para 27. The present Executive Engineer had not at that time examined any account document. This is now regularly examined.

39 Para 28(a)(b)&(d) Will be claimed in the next T.A. bill.

40 Para 28(c) Under a misapprehension that the rule did not affect transfers within Division — sanction was not applied for. Formal sanction is now & now sought for.

41. Para 29. No remarks.

42. Para 30. Since brought on the Sub Dl. Return.

43. Para 31. Will be attended to.

44 Para 32. 34 to 36. Call for no remarks.

45 Para 33. Noted.

46 Para 37 & 38 Call for no remarks.

47 Para 39. The Examiner has been addressed separately on this subject.

48. Para 40. Vide reply to para 5

49 Para 41 & 42 Noted.

50 Para 43 New forms of measurement books are now in use and Sub Dl. Officers have been requested not to make more than one copy of a bill.

I have the honor to be
Sir
Your most obdt. servt.
J. F. Somerville
Exec: Engineer

No. 2428

From.

The Executive Engineer,

Bellary Division.

To.

The Superintending Engineer

III circle,

Bellary

Dated 25/27 May 1895

Recd

Report of Inspection on the Bellary Division by the Examiner P.W. Accounts, Madras —

Replies to the remarks thereon —

With an Endorsement on Reverse

No. 656 of 1/6/95.

Thro' The Examiner P.W. accounts

Forwarded to the Chief Engineer P.W.D for information with reference to G.O. No. 701W dated 22nd March 1895.

Supdg Engineer
3rd circle

8
28/5

---

From

The Superintending Engineer,

IIIrd Circle.

To

The

Dated

Received

B

From

The Superintending Engineer,

IIIrd Circle,

Bellary.

To

The Chief Engineer

P.W. Dept

Madras

Thro' the Examr P.W. Accts

Dated 15th June 1895.

Received

Enclosures.

No. 856

*Subject.*

---

Inspection Report on the accounts of the Bellary Dn by the Examr

Bellary Division officer's replies to the I.R. forwarded

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Reg

P. W. CURRENT No. 5328

1-7-95 No 1613 W
26-6-95 .. 1555 W
13-3-95 .. 450 W
22-3-95 .. 701 W
6-3-95 .. 618 W
22-9-93 .. 2439 W
30-9-92 .. 2726 W D1

Recd: 12. 7. 95

Read S.E.'s and Exr's office note

No 2001 W d/ 14th August 1895

B 1Rd/

The Exar's office note will be communicated to the Supdg Engr III Circle

2. The question referred to in the Exar's office note No 2216 B has been disposed of by G.O. No 1613 W of 1 July 1895.

3. With refce to para 12 of the Exar's note attention is drawn to G.O. No d/22 Sept.