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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P. Wankar

DEPARTMENT

G.O. No.	305 W	Press.
B.P. No.		Mis.
Dated	12 - 2 - 1886	198.

1007

Not to be folded or roughly handled

305/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

REAP—the following letter from Colonel H. L. PRENDERGAST, R.E., Superintending Engineer, V Circle, to the Chief Engineer, Public Works Department, dated Chepāk, 26th January 1886, No. 4429 :—

With reference to paragraph 8 of G.O., No. 3211 W., of 6th December 1882, I have the honor to submit, for sanction, a plan and estimate corrected to Rs. 8,330 for constructing a bridge, of one arch of 35 feet span, across a branch from the northern surplus channel of the Veeranam tank, in South Arcot.

2. An estimate has lately been prepared by the Executive Engineer of the South Arcot division for building a regulating sluice at the head of the branch channel required to discharge not more than 1,000 cubic feet per second, and the bridge proposed by the Local Fund Engineer will carry off more than double that volume.

3. The letter from the President of the Local Fund Board to the Chief Secretary to Government is enclosed ; since this first came to my office, some further information was asked for by me, and the particulars were received last month.

ORDER—dated 4th February 1886, No. 305 W., Public Works.

The estimate, amounting to Rs. 8,330, for constructing a bridge, of one arch of 35 feet span, across the surplus channel of the Veeranam tank, in the South Arcot district, is sanctioned.

2. This sanction has been registered as Local, No. 40 W. of 1885-86.

(True Extract.)

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

To the Superintending Engineer, V Circle.
,, Financial Department, with thirteen enclosures.

Exd. E. Fernandez.
Spars Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1886) Madras.

PUBLIC WORKS.

Dated February, 4th.

Recd.

Enc.

G.O., 4th Feb. 1886, No. 305 W.

FEBRUARY.

Bridge

Estimate for a — across the surplus
channel of the Veeranam tank, South Arcot
district, sanctioned.

305
12
6TH DECEMBER 1882, No. 3211 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Nos. 43 & 44.

ORDER—dated 6th December 1882, No. 3211 W., Public Works.

In Proceedings of Government in the Financial Department, No. 609, dated 22nd March 1880, it was decided that the examination of plans and estimates of such Local Fund Works as might be of too important a character to be left altogether for disposal by the Local Fund Boards should devolve upon the Chief Engineer, who would be aided by an Executive Engineer of the Public Works Department to be attached to his office.

2. All *New Works* estimated to cost Rs. 2,500 and upwards and all *Repairs* estimated to cost upwards of Rs. 10,000, as well as such other works as might require special professional scrutiny, were required to be submitted for examination by the Chief Engineer.

3. To meet the cost of the establishment requisite for undertaking the work thus devolving on the Public Works Department, a contribution from Local Funds of Rs. 21,250 yearly was sanctioned.

4. Temporary arrangements were accordingly made by the Chief Engineer for undertaking the work, and these were sanctioned in Proceedings, No. 918 W., dated 10th April 1880.

5. The arrangements thus approved were, however, objected to by the Government of India, who considered (*vide* paragraph 5 of their letter recorded with G.O., No. 2387 W., dated 16th October 1880) "that the Madras Provincial Establishment should be so organized as to permit the Chief Engineer's Office, or the offices of Superintending Engineers of Circles, to examine all important Local Fund Projects; that for conducting these duties no special allowance should be made to any officer, but a fixed contribution sufficient to cover the services performed should be credited to the source from which such establishment is paid; and that the full contribution of Rs. 21,250 should be accepted, and the duties distributed as the Madras Government may consider desirable."

6. After some correspondence with the Government of India the principle of the proposed arrangements was agreed to, and the decision recorded in G.O., No. 1729 W., dated 14th July 1881, paragraph 10.

7. Since then the details of the scheme have been under consideration, and it has now been finally determined that the work shall be distributed between Superintending Engineers and the Chief Engineer in accordance with the principle of the Public Works Code Rules.

8. All Local Fund Projects therefore requiring in future to be scrutinized by the Public Works Department will in the first instance be sent to the Superintending Engineer of the Circle, who will be authorised to deal finally with the professional details of *New Works* estimated to cost above Rs. 2,500 and up to Rs. 5,000. Those costing above this amount will be sent forward by Superintending Engineers to the

Chief Engineer after undergoing the same examination as ordinary Public Works. All *Repair* estimates above Rs. 10,000 will be dealt with by Superintending Engineers as in the case of Public Works Repairs. Any estimate may however be sent on to the Chief Engineer should either the Superintending Engineer or the Local Fund Board concerned desire the opinion of that officer.

9. To admit of these arrangements being carried into effect, it will be necessary to slightly augment the offices of Superintending Engineers and the Chief Engineer, while improving the position of the senior Clerks in the offices of the former. Extra Draftsmen on a rate of pay superior to that hitherto provided for in the Public Works Department are also allowed. It is very desirable that men of superior attainments should be encouraged to qualify for the position of Draftsmen, and it is hoped that the enhanced rate of pay now sanctioned will act as some inducement.

Should the general standard of efficiency hereafter increase, the Government will be prepared to consider the propriety of still further augmenting the scale of pay in the higher appointments open to men of this class.

10. The following increases are now sanctioned to the offices of Superintending Engineers and the Chief Engineer, Public Works Department, the cost being covered by the contribution of Rs. 21,250 from Local Funds which the Accountant-General will, under orders in the Financial Department, arrange for bringing to account with effect from the current official year:—

Superintending Engineer's Office.

	RS.	RS.
(1) Difference between present salary of Head Clerk and that now sanctioned, viz., between 2nd Class, 1st Grade, and 2nd Class, 3rd Grade = $180 - 110 = \dots$	70	
(2) Difference between present salary of Second Clerk and that now sanctioned, viz., between 2nd Class, 3rd Grade, and 3rd Class, 2nd Grade = $110 - 70 = \dots$	40	
(3) Extra Clerk, 3rd Class, 3rd Grade, Rs. 50 to 60—mean	55	
(4) Extra Draftsman from Rs. 80 to 100—mean	90	
Total per mensem	255	
Total per annum (Rs. 255 $\times$ 12) =	3,060	
For six Superintending Engineers (Rs. 3,060 $\times$ 6) =	18,360	

Chief Engineer's Office.

(1) Extra Clerk, 3rd Class, 3rd Grade, Rs. 50 to 60—mean	55	
(2) Extra Draftsman (to supervise Technical Section) from Rs. 200 to 250—mean	225	
Total per mensem	280	
Total per annum (Rs. 280 $\times$ 12) =	3,360	
Total of Chief Engineer's and Superintending Engineers' Offices	21,720	

(True Extract.)

(Signed) R. H. SANKEY, Col., R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Examiner, Public Works Accounts.
Financial Department.

Exd. E. Fernandez.
Spare Copies

GENERAL
ESTABLISHMENT.

Govt. of 1882 Madras.
PUBLIC WORKS.

Dated December, 6th.

Recd.

Encl.

G.O., 6th Dec. 1882, No. 3211 W.

DECEMBER.

Local Fund Works

Plans and estimates for — to be scrutinized by the Chief and Superintending Engineers, and increases to their office establishments sanctioned.

No. 4429

305/4
SUPERINTENDING ENGINEER'S OFFICE,

V CIRCLE, MADRAS,

Chennai, 26 January 1886.

From

THE SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE

Chief Engineer
P. W. Department.

SIR,

Enclosures. 12

With reference to para 8
1. Short Survey of G. A. No. 3211 W. of 6th December
4. Short of details. 1882, I have the honor to submit
1. Plan of Bridge for sanction a plan and esti.
1. Report. make corrected to 8800 for
1. Specification
1. Detailed Est.
1. Abstract of constructing a bridge, of one arch
1. Data list of prices of 35 ft. span across a branch from
1. Letter No. 39 of the Northern Surplus Channel of
of 29th July 1885.
to the following: the Verranam Tank in South Arcot.

2. An estimate has lately
been prepared by the Executive
Engineer of the South Arcot Division
for building a regulating sluice
at the head of the branch channel
required

325/5
required to discharge not more
than 1,000 Cubic feet per second,
and the bridge proposed by
the Local Flood Engineer will
carry off more than double that
volume.

The letter from the President
of the Local Flood Board
to the Chief Secretary to Govern-
ment, is enclosed; since that
just came to my Office, some
further information was asked
for, by me, and the particulars
were received last month.

I have the honor to be

Sir,

Yours most Obedt Servt.

Chas. B. Dyer, Esq.
Col. R.E.

Superintending Engineer
S. Field.

From

THE SUPERINTENDING ENGINEER,

V CIRCLE,

To

THE

Chief Engineer
M.O.



Dated

Recd.

ENCLOSURES.

No. 4429.

Constructing a Bridge
across a branch of Northern
Surplus channel of
Veeranara Tank

Submits Plans &
Estimates for

Public Works Department, 1885-86.

Current No.

Letter No.

Dated the

From the

NOTE OF REMARKS.

1. The accompanying estimate
with plan, survey and levels,
provides for constructing a
bridge across a branch from
the north surplus channel
of the Veeranara tank in the
South Arcot District. The
estimate amounts to Rs. 7,330.

2. The bridge is to consist of one
arch of 35 feet span and
9 feet rise, resting on two abut-
ments 10 feet high up to the
springing line and 8 feet wide
each, with four wing walls
each 20 feet long and from a
bottom width of 6 1/2 feet rising
to a top width of 2 1/2 feet at a
height of 21 feet. A flooring
with stone aprons and retaining
walls has been provided. The
foundations of the abutments

wing walls and retaining walls are to be 10 feet deep - 8 feet of bricks in mortar masonry resting on a concrete bed 2 feet thick. The masonry of the bridge is to be bricks in mortar. - The width of roadway allowed over the arch is 21 feet clear between parapets.

3. The M.F.L. is 3 feet above the spring line of the arch but this fact cannot now be viewed as a serious fault calling for the rejection of the design because as stated by S.E.V., it is intended to construct a regulating sluice at the head of the branch channel to be spanned across by the bridge in question, and the maximum discharge to be permitted by this sluice is 1000 c. feet per second, while the waterway of the bridge up to springing line (35 ft. x 10 ft.) can, with the velocity given by the fall in the channel (5.7 ft. per second), carry off (350 x 5.7) 2,345 c. feet per second.

4. Rs. 100 are allowed for the centering which it is proposed to lower by means of sand boxes. - The rates allowed are fair.

5. The design has been approved by the Local Fund Board of the South West District. - The President of the Board has however omitted to countersign the estimate and plans.

Recommended for sanction


29/1/86

28th January/86


PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

February 1886

Read the following

Letter from the S.E. & V. Circle, H.E. No. 4029,
dated, 26th January '86.

The estimate
amounting to Rs 8330,
for constructing a
bridge of one arch
of 35 feet span, across
the surplus channel
of the Veeranam
tank, in the South
Arcot District, is
sanctioned.

Local
11/2/86

1. The S.E. & V. Circle. ✓
2. The Amavicia C. Dept.
with 18 enclosures.
3. The Chief Secretary for
favor of construction.

2 This sanction
has been registered
as Local, No. 40, W.
of 1885-86.

W. 40
C. 11 29/1/86
29-1-86

205
9

12/42
4/21/86
28

671
Govt. of Madras.
PUBLIC WORKS.

Date

11/2

Rate

Each

G.O. 4 1st 1886, No. 305W

Bridge

Ketpora — across the
Anuplas channel of the
Veeranam tank, South
Arcot Dist., sanctioned.

50
14

10/5/86

~~18/3/5~~ 18/3/5

~~4214~~
R. H