PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Military Secretary to His Excellency the Govr & (Mil. Dept.) No. 106 d/ 20 March 1895)
— do — from the Consulting Architect (— — 1194 d/ 21 June —)
Note by the Chief Engineer P.W. Dept:— d/ 18-7-95.

Considering the unfavorable nature of the soil the Consulting Architect should, before commencing the work, satisfy himself as to the sufficiency of the foundations. If would, it is considered, be well to put 2 feet of concrete with 6 inch offsets under the steps.

Encl to Cade with 1 Report 1 detailed estimate, 1 general abstract esta @ 5 plans.

W
19 July

No. 1826 W d/ 24 July 1895

Order:— Copies 18/7/95

Under para 10, chapter VII, Volume II P.W. Code, the revised Estimate amounting

Particulars of Construction:

The nature of the surface and sub soils are not mentioned.

The foundations are to be laid to the depths noted on the plans with concrete one foot below ground surface. The basement of the main building is to be raised 2 feet & the outhouses 1'6" & constructed to gether with a portion of the foundations with clinker bricks in cement. The superstructure walls are to be raised to the heights noted on the plans & built with Clay/Wire press bricks with arch work over doors & windows, walls painted black on the exterior face & plastered inside with 2 coats of chunam. The floors of the rooms & verandahs are to be of Cuddapah slabs laid over 4" of Concrete & pointed with Portland cement, except the bath rooms & latrines which are to be 6" concrete plastered over with ½" portland cement. The roof of the main building is to be terraced with brick on edge & laid over teak joists and the outhouses tiled with mangalore tiles laid on teak rafters & battens. Doors & windows are to be of teakwood of the descriptions noted in the estimate & painted with 3 coats of paint.

The scantlings for roof timbers are correct & the rates are fair.

No provision has been made for wall plates under joists in main building for the Board [illegible]

Necessary to know this before back Comms 21/5/95

& the section of the steel girders proposed for the single men barracks is not mentioned.

The plans & estimates have not been countersigned by the Military Secretary to Govt & the Governor, but they have been approved & submitted for the same time of Govt by that officer.

18.V.95.

P.S. The saving of Rs 6900 on the sanctioned estimate is stated to be due to the omission of the prisons & recreation room & to alterations in the designs.

Provision necessary. Shall I can add it to the Estimate

done

copy 21/5/95

Public Works Department.

No. 1826 w dtd 24 July 1895

Current No. 2230

Letter No. 106

Dated 20th March 95

From the Military Secretary to H.E. the Govr.

NOTE BY TECHNICAL SECTION.

Name of work Constructing Quarters for H.E. the Governor's Bandsmen.

Amount of Estimate Rs 51,200

The plans & estimate under review, the latter amounting to Rs 51,200, for constructing quarters for H.E. the Governor's Bandsmen at Chepauk, Madras, have been revised with reference to G.O. No 138 W dated 18th Jany 1895 and submitted for the sanction of Govt. in lieu of the estimate amounting to Rs 58,100 sanctioned in G.O. No. 2292 W dated 26th August 1891.

The amount of the estimate is divided as follows:

Band Sergeants Quarters — Rs	4,025
One block of 6 family — do —	17,355
— do — 6 — do —	17,355
Barrack for 12 single men.	8,680
Fencing & gate ———	1,155
Forming road draining site & fitting water supply pipes	2,630
Total Estimate Rs	51,200

Code, and to your letter No. 513, dated 11th February 1895, I am directed to submit, for the sanction of the Government of India, a revised estimate amounting to Rs. 51,200, for constructing quarters for men of His Excellency the Governor's Band.

2. The necessity for the provision of these quarters was fully explained in my letter No. 139 W. dated 18th January 1895.

I have &c

W

H.E.
O.S. 181

Revised estimate for quarters for men of H.E. the Govr's Band

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Mily: Secy: to H.E. the Governor, Nº 106, d/ 20th March '95
- - - - Chief Engineer to Govt. - 1174 d/ 21st June 1895.

Under para 10, Chapter VI, Volume II, P. W. Code, the revised estimate amounting to Rs: 51,900, as counted in the Ch. Engr's office, for constructing quarters for men of His Excellency the Governor's Band, will be submitted for the sanction of the Government of India.

C. A. to Govt:
Exr: P. W. Accts:
Mily: Secy: to H.E. the Govr.

(H.E. Nº W. d)

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

Sir,

With reference to para 10, Chapter VI, Volume II P.W. Code

(40—4,000—14-3-95.)

1826 W dy 24th July 1895
by the Chief Engineer. P.W.D.

sidering the unfavourable
ture of the soil the consulting
chitect should, before
ommencing the work, satisfy
himself as to the sufficiency
of the foundations - If
owed, it is considered, he
ould to put 2 feet of concrete
with 6 inch offsets under the
steps.

Estimate may be sanctioned
with note as above

C&MM
17/7

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Letter from the Mily: Secy: to H.E. the Governor, Ft. 106, d/ 20th March '95
- - - - Consg. enclosure to Govt: - 1174 of 21st June 1895.

Under para 10, Chapter VI, Volume II, P. W. Code, the revised estimate amounting to Rs: 51,900, as counted in the Ch. Engr's Office, for constructing quarters for men of His Excellency the Governor's Band, will be submitted for the sanction of the Government of India.

C. A. to Govt:
Exr: P. W. Accts:
Mily: Secy: to H.E. the Govr.

(H.E. Ft. W. dy).

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

Sir,

With reference to para 10, Chapter VI, Volume II P.W. Code

(40—4,000—14-3-95.)

ent.

4789

No. 1826 W. dy 24th July 1895

Sir,

The drawings prepared for the steel girders have been examined & found to be far in excess of actual requirement, but as it is proposed to utilize the girders existing for the women & children's hospital, which are not now required, the section actually adopted viz. 20" x 8" may be passed.

Theoretically the section of the girders should be as follows:-

weight of mop.

		lbs	lbs
Terrace	9'7" x 24'0" x 0·9" x 120	=	20,700
joists	19 x 9'7" x 0'3" x 0·6½" x 46	=	1,015
	Total weight of mop	lbs	21,715
add accidental load			
over one girder	24'0" x 9'7" x 120 lbs		27,600
weight of mop with accidental load:			49,315

or 22·02 Tons.

By formula for girders unsupported

$$R = \frac{W L \times 12}{8 \times 10{\cdot}66}$$

$$= \frac{22{\cdot}02 \times 24{\cdot}0 \times 12}{8 \times 10{\cdot}66} = \frac{396{\cdot}36}{5{\cdot}33}$$

= 74·37 sq inches

according to table a section 15" x 5" weighing 60 lbs per foot would be amply, against the provision of 20" x 8"

By altering the form ordered the amount of the estimate will be increased from Rs 51,900 to Rs 54,535 or say 54,550. as per pencil calculations in separate sheets attached.

The calculations provide for the following foundations dealing, Single mens quarters — Depth of foundations 6 feet instead of 5 feet as estimated, made up of 5 feet concrete & one foot of masonry for the main building & concrete to ground level for the out buildings.

Band Serjts & family quarters. Depth of foundations 5 feet instead of 4 feet made up of 4 feet concrete & one foot of masonry for the main buildings & concrete to ground level for the out houses.

The width of concrete in all cases has been calculated 2 feet wider than the masonry above.

The manager. C.P.W.D. office has informed me that the ground at site of the proposed buildings slopes; consequently the plans & estimate provide for one foot of masonry below ground surface, both for the main building & outhouses, instead of concrete throughout.

If the excess amounting to Rs 2635 due to increased depth of foundations be approved the estimates will be altered accordingly

15.VII.95

Public Works Department.

No. 4789

From

THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

Recd: 22.6.95

To

THE Chief Engineer
P.W.D.

No. 1174

Dated 21st June 1895.
Received

No. OF ENCLOSURES.

Subject.

Informing the nature of the surface & subsoil at the site of the proposed quarters for the men of H.E. the Governors Band at Madras & the section of the steel girders for single men Barracks.

O.L.S. 181 R 12/7 sent again to XXI 15/7

C. A. I. 500—13-12-94.

Office of the Consulting Architect to Govt.
Chepauk, Madras,
21st June 1895.

No. 1174

From

Henry Irwin, Esq., C.I.E.,
Consulting Architect
to the Government of Madras,

To

The Chief Engineer
Public Works Department

Sir,

Enclosures.

In reply to your Memo No. 1947 C dated the 5th instant, I have the honor to state that 5 pits were made at the site for the Bandsmens quarters, the ground for about a depth of 4½ feet consists of made soil and below this sandy loam. The size of the steel girders to be used for the single mens Barrack is 20"×8", these girders are from the stock received for the women & children Hospital

I have the honor to be
Sir
Your most obedient Servant

Henry Irwin
Consulting Architect
to Government

P. W. CURRENT No. 2230

1895

From

Major The Honble R. T. Lawley
Military Secretary to the
Right Honble The Governor

To

The Secretary to Government
Public Works Department
Chepak

Dated 20th
Received } March 1895.

No. 106.

Enclosures-7

Forwards duly approved Plans & estimates for constructing quarters for H.E. McGovern's Bandsmen

Revd 12 (5 plans)
Acctd: 21.3.95

No 1265 W dt 15.5.86
" 1872 W dt 24.7.86
" 3730 C dt 23.10.86
" 3103 W dt 23.11.86
" 947 W dt 29.3.87
" 674 C dt 7.2.91
" 476 D dt 30.6.91
" 2000 W dt 24.7.91
" 2292 W dt 26.8.91
" 1528 W dt 19.6.82
" 2533 W dt 28.9.82
" 2273 W dt 14.8.83
" 3160 W dt 7-11.83
" 3476 W dt 12-4.83
" 3610 W dt 17.12.83
" 2012 dt 25.5.84
" 4460 dt 7.8.84
" 2295 W dt 15.9.84
" 1258 W dt 16.1.91
" 878 D dt 4.3.91
" 928 D dt 25.9.91
" 960 C dt 24.2.92
" 5579 C dt 11-12-91
" 138.9 W dt 18-1-95
" 424 W dt 13.2.95
" 747 W dt 25.3.95
1947 C dt 5-6-95

Offs 96

25/6

Arr examinations

C.A.O. 21/5/95

No. 106.

GOVERNMENT HOUSE,
Guindy
20th March 1895.

From

MAJOR THE HONORABLE R. T. LAWLEY,
MILITARY SECRETARY TO THE
RIGHT HONORABLE THE GOVERNOR,

To

The Secretary to Government
Public Works Department
Madras.

SIR,

I have the honour to forward duly approved the revised plans and estimates as follows for constructing quarters for His Excellency the Governor's Bandsmen and to request that you will be so good as to obtain the sanction of Government for the same.

1	Band Sergeants quarters	Rs. 4025
2	Block No 1. to contain 6 quarters for married men	" 17355
3	—do— 2 —do— do— do—	" 17355
4	Barrack for 12 single men also to serve as a practice room	" 8680
5	Roads drains and water supply	" 2630
6	Fencing and gates	" 1155
	Total Rupees	51,200

2. The Consulting Architect to the Government of Madras suggests that items 1 and 2 which amount to Rs. 21380/- be carried out during the Official year 1895-96 and reports that there is a saving of Rs. 6900/- on the amount originally sanctioned in G.O. No 2292 W dated 26th August 1891 due to alterations in design and the omission of the practice and recreation room now provided for in the barrack for single men.

I have the honor to be,

Sir,

Your most obedient Servant,

R. T. Lawley Major,
Military Secretary.

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