22

(1) பக்கங்களின் எண்ணிக்கை 34
(2) புதுக்கித் திருப்பிய நாள் 10. 90
(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

PWD துறை

55

அரசாணை எண். மு. கோப்புத் தாள் எண்.	515	அச்சகம் பலவகை
நாள் :	18-2-1892	198 .

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

19 Sheets

17 Sheets

ஆவண, கா-1—18,006—15-6-87.

18th February 1892, No. 515 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers:—

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 18th October 1890, No. 1429 G.D.

I have the honour to forward, herewith, plans and an estimate, amounting to Rs. 21,900, for constructing a normal school-house at Rajahmundry received from the President, District Board, Godávari, and to recommend that sanction of Government may be obtained to the same.

2. The estimate has been scrutinised by this office and countersigned by the President and Principal of the Rajahmundry college.

3. It is observed that the rates allowed for several items in the estimate are below the schedule rates which have been furnished by the President, but the rates entered in the estimate are in accordance with the data furnished by the Local Fund Engineer with the estimate.

Memo. by the Chief Engineer, Public Works Department, 19th Nov. 1890, No. 4754 C.

From G. D. WYBROW, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 15th January 1892, No. 1804 G.D.

With reference to your memo. No. 4754 C., dated 19th November 1890, I have the honour to submit, herewith, duly revised, the plans and estimates, amounting to Rs. 21,000, for constructing a normal and union school at Rajahmundry, and to recommend that sanction of Government may be obtained to the same.

2. The Local Fund Engineer reports that the necessity for making the lower portion of the building more massive than the upper has not been lost sight of, the lower walls being 2 feet thick, while the upper ones were 1 foot 6 inches, as may be seen from the plan.

3. The information required in para 8 of your memorandum quoted above as to the details of the staircase has been noted on the revised plan of the staircase room which is newly prepared in this office and which forms an enclosure to this letter. The Local Fund Engineer, on a reference made from this office, states that there does not seem to be any necessity to give special drawings for rolled beams and that they are of the usual kind manufactured.

4. The estimate has been scrutinised by this office and countersigned by the President, District Board, Godávari.

5. The plans have been prepared afresh where necessary.

6. A copy of the Local Fund Engineer's letter, No. 75 of 25th May 1891, with the President's endorsement, No. 175-L.F.E. of 9th June 1891, is also herewith submitted.

ENCLOSURE.

From P. H. BROWN, Esq., Local Fund Engineer, Godávari circle, to the President, District Board, Godávari, dated 25th May 1891, No. 75.

I have the honour to return the plans of the Rajahmundry normal school altered in reference to the memo. No. 4754 C., dated 19th November 1890.

2. The necessity for making the lower portion of the building more massive than the upper had not been lost sight of, the lower walls being 2 feet thick, while the upper were 1 foot 6 inches, as can be seen from the plan. Rectangular piers have been substituted for round pillars as requested, although I do not think them better than round, when the bricks are specially moulded as these would have been.

3. The roof over the upper story, if portico, is a gable end, so the objection is not understood, and the window put in pencil will be too high for use in the room.

4. The windows in the portico room have been altered as suggested; railings were omitted by oversight; it does not necessarily follow that a verandah is necessary for a window to be brought to ground level.

5. The steps referred to are removed.

6. The windows formerly were 3 × 2; have been made to 4 × 3.

7. I have not perceived untidiness on the plan and perhaps the same escaped the notice of the Superintending Engineer also.

8. There does not seem to be any necessity to give special drawings for rolled beams. They are of the usual muster manufactured. The ones I have proposed are 23′ × 5″ × 15″, weigh 50 lb. per foot, and the permanent safe distributed load = 12 tons. The rise of the steps in staircase is 6 inches and the tread gives the correct number of steps. The working detail plan will be made when the general plans are sanctioned.

9. The roof is sloping tile roof, and, as the water will run from the whole roof, there seems no necessity for gutter pipes. Tiled roofs projecting over the walls do not generally have gutter pipes.

10. The latrine accommodation has been increased.

11. The design has already been considered and approved by the school authorities, and the plan and estimate is, I think, correct.

No. 175 L.F.E.

Forwarded to the Superintending Engineer, I Circle, with reference to his No. 1706 G.D., dated 28th November 1890.

9th June 1891.

(Signed) W. A. HAPPELL,
President.

ORDER—dated 18th February 1892, No. 515 W., Public Works.

The estimate, amounting to Rs. 21,000, for constructing a normal and union school at Rajahmundry in the Godávari district, is sanctioned.

2. This sanction has been registered as Local No. 33 W. of 1891-92.

(True Extract.)

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

To the Superintending Engineer, I Circle.
„ Local and Municipal Department, with ten enclosures.

Exd. A. D. Xavier.
Spare Copies

515/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1892) Madras.

PUBLIC WORKS.

Dated February, 18th.

Recd. *Enct.*

G.O., 18th Feb. 1892, No. 515 W.

FEBRUARY.

Normal and Union School at Rajahmundry

Estimate of Rs. 21,000 for constructing a — sanctioned.

No. 1429 G.D.
Recd/

FROM,

G. D. Wybrow Esquire

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 18th October 1890

Recd/21

515/3

Enclos
1 Estimate
1 Report
1 Specifications
2 Plans
1 Survey
6

SIR,

I have the honor to forward herewith plans and an Estimate amounting to Rs. 21900 for constructing a Normal School house at Rajahmundry received from the President District Board Godavari, and to recommend that sanction of Government may be obtained to the same.

2. The Estimate has been scrutinised by this Office and Countersigned by the President and

Principal

Principal of the Rajahmundry College

3. It is observed that the rates allowed for several items in the Estimate are below the schedule rates which have been furnished by the President, but the rates entered in the Estimate are in accordance with the data furnished by the Local Fund Engineer with the Estimate.

I have the honor to be
Sir
Your most Obedt. Servt.

G. J. Wybrow,
Supg. Engineer
1st Circle

JK

515/4

P.W.C. No. 10152

FROM,

G. D. Wybrow Esqr

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 18th
DESPATCHED 21st
RECEIVED 27
October 1890

No. 1429 G. D.

ENCLOSURES 6 7

SUBJECT. (+3 plans)

Normal School House at Rajahmundry.

Forwards plans and an estimate amounting to Rs 21900 for constructing a ——— & requests to obtain sanction of Govt to the same

---

L.P.S.

No 75

Office of the Local Fund Engineer
Godavari Circle
Dated 25th May 1891

From

P. H. Brown Esquire
L. F. Engineer
Godavari Circle

5/5

To

The President
District Board
Godavari

Sir

I have the honor to return the plans of the Rajahmundry Normal School altered in reference to the memorandum No 4754 C dated 19th November 1890.

2. The necessity for making the lower portion of the building more massive than the upper, had not been lost sight of, the lower walls being 2' thick while the upper were 1'-6" as can be seen from the plan.

Rectangular piers have been substituted for

for round pillars as requested, although I do not think they better than round, when the bricks are specially moulded, as these would have been.

3 The roof over the upper story, of portico, is a gable end, so the objection is not understood, and the window put in pencil will be too high for use in the rooms.

4 The windows in the portico room have been altered as suggested. Railings were omitted by oversight it does not necessarily follow that a Verandah is necessary for a window to be brought to ground level

5 The steps referred to are removed.

6 The windows formerly were 3×2, have been made to 4×3

7 I have not perceived untidyness on the plans, and perhaps the same escaped the notice of the Superintending Engineer also.

8 There

8 There does not seem to be any necessity to give special drawings for rolled beams. They are of the usual muster manufactured. The ones I have proposed are 23'×5"×15", weigh 50 lbs per foot, and the permanent safe distributed load = 12 tons. The raise of the steps in stair-case is 6"; and the tread which gives the correct number of steps. The working detail plan will be made, when the general plans are sanctioned.

SS/6

9. The roof is sloping tile roof, and as the water will run from the whole roof, there seems no necessity for gutter pipes. Tiled roofs projecting over the walls do not generally have gutter pipes.

10 The Latrine accommodation has been increased.

11. The design has already been considered and approved by the Schoo authorities, and the plan &

Estim

Estimate is, I think, correct.

I have &c &c.

(Sd) P. A. Brown

L. F. Engineer

Eno: 175 L.F.E.

Forwarded to the Superintending Engineer 1st Circle, with reference to his No 1706 G.D. d/28-11-90.

Godavari Dt Bd's office d/ 9/6/91

(Sd) W. A. Happel

President.

(True Copy)

A. G. Romilly
23-1-92

Asst Engr
For Supg: Engineer
I Circle

Dg

PW 5/7 833/92

Pine 3

No. 1804 G.D.

3 P

FROM,

G. D. Wybrow Esquire
SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DOWLAISHWERAM, 15th January 1892.

Enclo: 12
2 Detailed estimates
2 Abstract — do —
1 Specification
1 Report
1 Data
1 Site plan
1 Plan of building
1 — Do — of latrine
1 Revised plan of staircase room
11
1 Copy of L. F. Engr's letter No 75 d/25-5-91
12

SIR,

515/7

With reference to your memorandum No 4754 C dated 19th November 1890 I have the honor to submit herewith duly revised the plans and estimates amounting to Rs 21,000 for constructing a Normal and Union School at Rajahmundry and to recommend that sanction of Government may be obtained to the same.

2. The Local Fund Engineer reports that the necessity for making the lower portion of the building more massive than the upper has not been lost sight of, the lower walls being 2' thick, while the upper ones were

were 1'-6" as may be seen from the plan

3. The information required in para 8 of your memo quoted above as to the details of the Stair case has been noted on the revised plan of the Stair case room which is newly prepared in this office and which forms an enclosure to this letter. The Local Fund Engr. on a reference made from this office states that there does not seem to be any necessity to give special drawings for rolled beams, and that they are of the usual kind manufactured.

4 The Estimate has been scrutinized by this office and counter-signed by the President District Board Godavari.

5. The plans have been prepared afresh where necessary

6. A copy of the Local Fund Engineer's letter No. 75 of 25th May 1891 with the President's endorsement No 175 L.F.E. of 9th June 1891 is also herewith submitted.

IX 8 Recd 4

I have the honor to be

Sir

Your most obedient Servant

5 5/6

A. G. Romilly Asst Engr.
23-1-92
For Supg: Engineer I Circle

Dy

P. W. CURRENT No. 833

FROM,

G. D. Wybrow Esq

SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

PUBLIC WORKS DEPARTMENT.

DATED 15th
DESPATCHED 23rd } January 1892
RECEIVED

NO. 1804 G.D.

ENCLOSURES 12

SUBJECT.

Rajahmundry. Normal & Union school at —. Submitting duly revised plans & Estimates amounting to Rs 21,000 for const. a — & recommending that sanction of Govt. may be obtained to the same.

No. 4754 C.M. 19-11-90

Ans 27-1-92

Public Works Department.

TECHNICAL NOTE.

Current No. 10,152

Letter No. 1429

Dated 18th October 1890

From the Supdg: Engr. I Circle

Name of Work Normal School House

District Godavari

Taluk Rajahmundry

Amount of Estimate Rs 21,900

Do. of Revised Estimate

G.O. sanctioning original estimate No.

dated

Difference. { More
Less } 5 15/29

PARTICULARS OF ESTIMATE.

Main Building	Rs.	19,616
Subsidiary Buildings	"	285
Contingencies	"	982
Petty Supervision	"	1017
Land compensation	"	—
Total Rs.		21,900

PARTICULARS OF CONSTRUCTION.

Surface soil Sandy

Sub soil Red hard

Foundations To be 4' deep i.e. 1 foot of concrete & 3 ft: of rubble masonry in mortar.

Basement Rubble masonry in mortar

Walls Rubble masonry in mortar archwork over door & window to be of brick in mortar—

Plastering Interior with 2 coats of chunam

Pointing Exterior with chunam

Flooring 1st Floor with 6" of concrete plastered with 1 coat of chunam, 2nd floor boarded—

Roofing To consist of flat and pan tiles with chunam pointing.

Roof timbers To be of teak

Scantlings Correct.

Doors and Windows to be of teak

Lightning Conductors Not provided

Rates See remarks

The plinth area of the main building is 4100 square feet, and the cost per square foot will be Rs. 2-5-11

The Plan and Estimate have not been countersigned by the Director of Public Instruction and not approved in the Educational Department— But they have been countersigned by the President & Principal of the Rajahmundry College

REMARKS.

The rate for ashlar work is in excess of the rate given in the Schedule viz Rs 0-10-0 per c.ft: against Rs 0-8-8 the saving will only be Rs 18 & is not worth noticing. The other rates are fair.

The amounts quoted in the report do not agree with the present Est: the report seems to be an old one—

575/16

The 2nd floor including staircase room and portico is to be supported on iron girders—

The glazed windows in the room over the portico are carried down to floor level. This appears to be objectionable particularly in a school as accidents might occur by such an arrangement unless the windows are barred which is not the case—

Two iron purlins are used in the roof of the room over the portico and one end of each purlin is placed over a doorway which is also open to objection.

The large space in the gable of the facade looks bare and it might be relieved by a fixed venetian ventilator as shown in pencil—

Instead of columns it would be better to have piers for the support

Public Works Department.

of the arches in the lower storey which would be more substantial and look better.

15.11.90

515/11

(28)

RK

These slips should be brought on to the L.O. list, & put up with the estimate in question, on its receipt.

Ca. 22/5/95

515/11

L.O.

Waits for estimate.

D.P.
22-5-95.

ssed to has not yet been received
18/5/95 Ca

of the arches in the lower Storey which would be more substantial and look better.

C.W.T.

15.11.90

C.A.W.

About 7 months ago, perhaps more, Mr Garrett wrote to W demiofficially concerning some alteration he wished to make in an estimate, already submitted, for a building at Rajahmundry. I do not think the estimate has yet come to hand, however. But when it does, Mr Garrett's letter should be put up with it for reference. The letter is I believe in the office.

515/2

Id/ C.H.B.B.
10/5/95

S.A.W.

Please send the papers referred to.

C.S.
10 May 95.

[illegible]

C.A.W.

Mr Garrett's D.O. was not sent into the office. The attached note from Com. d/10.10.94, was received from D.O. last year & the information required by D.O. was furnished. The ~~th~~ slips were then brought on the L.O. list, & have been there since. The estimate referred to has not yet been received.

13/5/95 Cy

D.P.
Submitted 13 May 95

13/5

of the arches in the lower storey which would be more substantial and look better.

C[illegible]

15.11.90

SAW

D.W. wishes to know whether the estimate for the Training College at Rajahmundry, said by the S.E.I. to have been sent off a month ago has been received yet. If not in our office please enquire in the Educational Dept. The reply can be given to D.W. at Madras.

R.S.

575/13

10 Oct 94

To the Educational Clerk

Will you please say if the estimate has reached the Educational Dept., & if so what is being done on the file.

Ch

12-10-94

SAW.

The estimate has not been received here; it may be with the D.P.I.

To CAW

TH
13/10

SEW

(1) Should the purchase amount for Land be entered in the Est. or not? I think not —

(2) Should the Estᵉ go to the Edl. Deptᵗ for approval.

OVG

5/15 8.2.92

14

Dw

(1) Under para 1274 P.W. Code the estimated cost of land should be included in the estimate for a work.

(2) In a previous case, the ~~Educational~~ Deptᵗ said ~~that~~ estimates of L.F. ~~[illegible]~~ school houses need not be sent to for approval.

Ch

8.2.92

Public Works Department.

Current No. 833 515W

Letter No. 1804 G.W.

Dated 15th January 1892

From the Super. Engineer I Circle

Submitted OVG 5/15/16

TECHNICAL NOTE. 9.2.92

Normal and Union School at Rajahmundry. Godavari Dist.

Amount of Estimate Rs 21,000

With reference to this office Memo No. 4754 C dated 19th November 1890 the Super. Engineer I Circle resubmits the estimates amounting to Rs 21,000 for Constructing a Normal & Union School at Rajahmundry for the sanction of Govt.

The plans & estimates have been partly revised as per suggestions contained in the above Memo under reference as follows.

(1) The Local Fund Engineer reports that the necessity for making the lower portion of building more massive than upper was not lost sight

as the lower walls were made 2 feet thick and the upper ones 1'.6". as per plan.

(2). Rectangular piers have now been substituted for the circular columns in the lower floor.

(3) The doorways below the iron pavilion of the Portico room have now been closed and only one door provided as suggested.

(4) Windows are provided in the gable wall of Portico room.

(5) Two flights of steps in front of the building removed as suggested in para 5 of the memo under reply.

(6) The small windows in the back room have been increased in size from 3'×2' to 4'×3'.

(7) The drawings of the rolled beams are not submitted as the L.F. Engineer considers them superfluous, they being of the usual market manufactured

The following rolled beams are provided:-

Portico - 23'×15"×5" weighing

50 lbs per foot run, with a

maximum safe distributed

of 12 Tons

in class room. 23'×8"×4" weighing

per ft. with a safe load of

Yes & it is in

[illegible]

No ceiling provided

lower rooms - so the

floor boards should be

tongued & grooved as

originally proposed.

525/XI/15

Approved.

It is absolutely necessary

in class room. 23'×11"×5½" - weighing

0 lbs per ft. with a safe distribut-

ed load of 7 Tons. (The [illegible] of

rolled beams is not traceable from

Richardson & Cruddas Catalogue

others).

(8) Regarding detail plan of stair case, the L.F. Engineer states that working drawings will be furnished when the estimate is sanctioned but the S.E. submits a detail plan of the stair case showing the rise as 6 inches & the treads as 11 inches.

(9) The L.F. Engr. states that there seems no necessity for gutter pipes to tiled roofs as tiled roofs projecting over the walls do not generally have gutter pipes. It is thought that if eave gutters with down fall pipes are provided instead of the proposed eave boards, the building will be better drained and the basement kept dry.

(10) The latrine accommodation is now increased.

Particulars of construction

The foundations are proposed to be carried 4 feet deep, the lower one foot of concrete and the basement rai[sed] 18 inches.

[illegible] basement to [illegible]

[illegible] to be built of rubble masonry in lime, plastered inside with 2 coats of chunam & pointed outside. The lower floors to be of 6" of concrete and the upper floor boarded with 1½" teak planks supported on teak joists placed 2 feet apart on rolled iron beams.

Roof to be of flat and pan tiles laid on teak ~~[illegible]~~ reepers & rafters & supported by teak trusses. Doors & windows of the description noted in the estimate of teakwood & painted.

The rates appear to be very low P.W. D. rates noted in pencil against the items in the margin of the estimate also for that of rolled beams Rs 8 per cwt. may be the cost at Bombay & owing to the present unfavourable rate of exchange a higher rate may be allowed. No provision is made for carriage of beams & fixing them.

The floor of the verandah of the upper story is of 1½" teak boards. It is thought that if the verandahs are terraced it would be better as it will prevent dripping of rain water [illegible] the verandah floor [illegible]

uld be better.

The [illegible] appear a little too [illegible] are not of [illegible] in the stairs [illegible] a span of 21 feet.

Probably [illegible] at Bombay.

Compensation of land there

is stated in the last para of

report that the land was

chased by the Union School

The plinth area of the

ing is 8788 Sq ft and the c

will be Rs 2-5-5 per Sq ft

this appears to be a very

rate for double storied b

ings.

The design on the whole

a satisfactory one for the

N.O. [illegible] on it, the

modation may

the architectural

ing.

[illegible] estimation

countersigned by the Pr

ward.

No. 515 W dt 18th Feby 1892 [illegible]

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the S. E. I circle No: 1429 G.D d/ 18th October 1890.
Memorandum by the Chief Engr. P. W. D. No: 4754 C d/ 19th Novr. 1890
From the S. E. I circle No: 1804 G. D d/ 15th Jan. 1892

The estimate, amounting to Rs 21,000, for constructing a Normal and Union School at Rajahmundry in the Godavari District, is sanctioned.

2. This Sanction has been registered as Local No: 33 W of 1891-92.

515/16

①

②

515/18

13.2.92

13/2/92

To
The S. E. I circle
Local and Municipal Depts.
with 10 enclos.

R. B.

Hm

7
B 3rd

Hm

CHIEF SECRETARY
13 FEB 92

To

The Hon'ble the Chief Secretary
[illegible]
for [illegible]

13-2-92
16-2-92 } R. 18-2-92

515/17
19

8

Cho 833

Govt. of 1892 Madras.

PUBLIC WORKS

18th February 92. 615 W.

Normal & Union School
at Rajahmundry
Estimate of Rs 21,000 for
constructing a — Sanction

~~19~~ 17

60/4

2/18/2

JC 18/2