

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public Works

DEPARTMENT

G.O. No.	689	(W)	Press
B.P. No.			Mis.
Dated	17.3.		1876

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
17th March 1876.*

Read the following papers:—

No. 256. From Colonel A. S. MOBERLY, R.E., District Engineer, Cuddapah, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Cuddapah, 15th December 1875, No. 1,969.

With reference to paragraph 6 of G.O., No. 1,240, of 3rd May 1875, I have the honor to forward two abstract estimates and one specification for repairing the Zillah school at Cuddapah.

2. The specification and abstract estimate, amounting to Rupees 5,000, provide for putting planking and coir-matting under the corrugated iron, but as I do not consider these necessary for a verandah, I beg to submit an alternative estimate for Rupees 3,400.

3. I submitted the two estimates to the Director of Public Instruction, who has countersigned both of them, but has not stated which he would wish to have carried out.

No. 256-A. From the same Officer, dated Cuddapah, 1st March 1876, No. 2,461.

With reference to instructions conveyed in memorandum, No. 62, dated 13th January 1876, I have the honor to submit a copy of letter from the officer in charge of Cuddapah Range, together with a revised abstract estimate and specification, amounting to Rupees 3,100, for repairing the Zillah school-house at Cuddapah.

2. I beg to state that the present estimate provides the improvements and alterations as suggested in the above-mentioned memorandum, and that the Range Officer's letter explains as to the high rate of timber noticed therein. Instead of putting the planking over the rafters, I would suggest screwing them up to the underside of the rafters, as this would, I think, break the effects of the heat.

Copy of a letter from the Officer in charge of Cuddapah Range, to the District Engineer of Cuddapah, dated 23rd February 1876, No. 818.

In obedience to memorandum from the Officiating Deputy Chief Engineer, dated the 13th of January 1876, communicated to this office with your No. 2,108, of the 17th idem, I have the honor to submit the revised estimates for repairing the Zillah school-house at Cuddapah which amounts to Rupees 5,100.

2. After making inquiry from the Deputy Conservator of Forests of this district, it is ascertained that junglewood planks cannot be obtained from that department, neither can the quantity required for the verandah be obtained in the local market, and with regard to the rate I beg respectfully to explain that I am not aware of any planking work having been executed previously in this district, and in consequence the rate for this description of work cannot be fixed with exactitude, but I learn from inquiry that it is lower than work of a similar nature turned out at Bangalore.

3. I also beg to explain that the rate entered in our schedules for "Teakwood wrought and put up" is for beams, rafters, and such like, whereas for "planking" the work of sawing and fitting, &c., is much greater, and so also is the wastage more considerable.

Proceedings of the Madras Government, Public Works Department,
17th March 1876.

4. I also beg to point out that in the data submitted with the original estimate no material was allowed for "grouting" by oversight, this has been corrected and the rate increased from Rupees 0-5-0 to Rupees 0-10-9.

Enclosures.

- 1 Abstract Estimate, amounting to Rupees 5,100.
- 1 Do. one detailed do. do. do.
- 1 Specification. do. do. do.
- 2 Lists.

I also beg to return eleven enclosures appertaining to original estimate.

No. 257.

ORDER THEREON, 17th March 1876, No. 689.

CIVIL WORKS, No. 25.

(a) Heads of Service.—Special.
Fund.—Educational.
Class.—Repairs.
Main-head.—Civil Buildings.
Sub-head.—Schools.
Name of Work.—Repairing Zillah School at Cudda-
pah.
Amount.—Rupees 4,650.
To be carried out by the Public Works Department.

THE estimate reduced to Rupees 4,650 by omission of the item for weather plates and allowance of 5 per cent. only for sundries and superintendence is sanctioned.

2. The Educational Department will be requested to arrange for provision of funds in anticipation of which the work will be entered in the Budget of 1876-77.

3. The sanction accorded in paragraph 1 of these Proceedings has been registered as Special, No. 24 W. of 1875-76.

(True Extract.)

Signed) G. W. WALKER, Major-General, R.E.,
Secretary to Government

To the District Engineer, Cuddapah.
" Examiner of Public Works Accounts.
" Educational Department.

Exd. S. T. Austin.
Spare Copies

Mr 8020/75

38

Abstract Estimate.

District Cuddapah Taluk Cuddapah Village Cuddapah.
Work Repairing School House at Cuddapah.

Quantities Description of Work. Rate per Amount each part.

Main Building.

128 Cft Demolishing parapet wall 1 " 100 cft 146.

27 1/2 Sq. Plastering 5 3 4 Sq. 141 14.10

do for Sundry parts & around doors and windows 50 "

1.68 " Covering Slabs 4 2 3 " 11 15 11

26 1/4 " Grouting surface of Terrace " 5 " 7 14 3

135.10 " White washing 2 " 10 27 0 4

2 " Green Painting 1 5 1/2 Sq 2 10

242 11 10

Verandah.

18 1/2 C. ft Demolishing Bengal Terrace 13 " 100 cft 146 14.22

48 1/2 Sq. do Verandah Plaf. 1 13 1/2 Sq. 87 14 6

106 4 1/2 Sq. Mortaring Parlia 11 1 " 100 cft 143 3 9

18 1/2 C. ft Shaking and wrapping & put up 5 1/2 " 100 cft 98 1 1

55.70 Sq. Corrugated iron roofing 41 " 27 2283 11 2

84 Sq. Iron Ridging at hips 1 " 84 " 84

2513 9 7

296 Bgr Weather plates of galvanized iron 10 = 2573.97 242 110
 3660 Sps Wood Oiling 1 = 35.11 36.97
 19.20 White washing 2 = 104.00 3135.00
 Sundries @ 10 per cent 2981.25
 298.37
 Total Estimate Expenses 3280.00

I do hereby certify that this Estimate
 provides for every thing necessary and
 that no Supplemental Estimate will
 be required hereafter.
 Wm. H. Smith
 15 Nov 1875

Sub Engineer

In Charge Coldwater Range

W. H. Smith

District Engineer

Approved

Wm. H. Smith
 Director of Public Instruction

Per 17 March 76 B. N. 256

100 5000/15

7A

50

2573972012

2573972012

Mr. 8020/175
- made for repairing
the School Office
at Cuddapah.

Michael J. E.

ABSTRACT ESTIMATE.

District... Cuddapah... Talook... Cuddapah... Village... Cuddapah...
Work... Repairing School House at Cuddapah...

Quantities.	Description of Work.	Rate.	Per.	Amount.	Amount of each part.
Main Building					
128	Cft. Demolishing Masonry	1 . .	100c. ft	146	
2 1/4	Sq. Plastering. 3 coats fine	534	Sq	141 14 10	
"	do. for Gutter, park and around Doors and Windows	.	.	50 . .	
1.68	" Covering Slabs	723	Sq	11 15 11	
25 1/4	" Grouting surface of Terrace	. 5 .	Sq	7 14 3	
135.10	" Whitewashing two Coats	2 . .	10 Sq. ft	27 . 4	
2	" Green Painting "	15 .	Sq	2 15 .	242 11 10
Verandah.					
181 1/2	Cft. Demolishing Bengal Terrace	. 13 .	100c. ft	14 12 2	
48 1/2	Sq. do. Verandah Rafter	1 13 .	Sq	87 14 6	
1.064	Sq. ft. Mortaring Purlins	4 1 .	100c. ft	43 3 9	
348.18	Cft. Woodwork work and put up	5 4 .	100c. ft	1827 15	
48 1/2	Sq. Coir Matting	6 . .	Sq	291 . .	
55.70 1/2	" Corrugated Iron Roofing	41 . .	Sq	2283 11 2	
84	Sq. ft. Iron Ridging	1 . .	Sq. ft.	84 . .	
296	" Weather Plates	. 10 .	Sq. ft	185 . .	
84 1/4	Sq. Wood Baling. two Coats	1 . .	Sq	84 4 .	
19.20	" Whitewashing "	2 . .	10 Sq. ft	3 15 5	
					4,905 10 .
					5,148 5 10
					511 10 2
					5,660 . .
	Sundries at 10 1/2 Cent				
	Total Estimate Rupees				

Approved
Inspector of Public
Construction

I do hereby certify that this Estimate provides for everything necessary and that no Supplemental Estimate will be required hereafter

Cuddapah Range Officer
Camp Cuddapah.
Sub Engineer
Cuddapah Range

MT. 8020/3/75 90

Specification

to accompany Estimate for Repairing the School House, at Cuddapah.

Amount of Estimate Rupees 5,660

This Estimate provides for plastering the upper surface of terrace to Main Building, and for cutting vents, in parapet walls 4 feet in width for the discharge of rain water: also for dismantling present roof of Verandah, and substituting corrugated iron roofing, with coir matting, and planking underneath. Sundry repairs as whitewashing, wood oiling have also been provided.

Dismantling Parapet Wall to Main Building.

The notching is to be executed by sawing the ends of the portions indicated for outlets, and then gently removing without giving any shock to the walls. After the above operation the debris is to be removed, for which the data allows.

Plastering with 3 Coats of fine Chunan.

The usual ingredients are allowed

From, 1875-76.

The Officer
In charge Cuddapah Range.

To, District
Engineer,
Cuddapah.

Dated 21st March 1875.

Received }
1875.

Abstract Estimate amounting to 5660
Rupees Five thousand six
hundred and sixty 00
for repairing School House
at Cuddapah.

MT. 8020/3/75

with the addition of (ballapum) country marble, to produce a fine polished surface, and to be well rubbed down in a wet state for 3 or 4 days, during this operation, the roof is to be covered with wet straw, and only well rotted chunam is to be used for the plaster.

There are some parts of the building which require plastering, for which no regular measurements could be given, where for a lump sum is allowed.

Covering Slabs on Parapet Walls.

The stone slabs are procurable from the Gushpagheri quarry on the left bank of the Tennai, north of Chennai, about 7 miles from site of work. To be one foot in breadth, and of the required length. The corner pillars to be surmounted by angular slabs to fit.

Grouting Surface of Terrace.

Needs no special remark. It is to be paked up carefully with a cold chisel.

Dismantling Bengal Terrace (Verandah Roof)

The masonry is to be removed for the rate allowed, taking care to save as many tiles as possible, during the operation of demolishing.

Dismantling Verandah Roof (Wood Work)

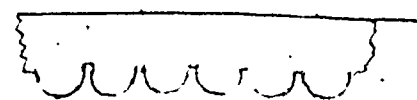
The laths are to be ripped up from the rafters carefully, so that they may be of further service: after which every alternate rafter is to be removed, and in cases of sagged rafters being left they are to be inverted and re-fitted.

Wood Work work and put up

The planking is to be one foot broad, and $\frac{3}{4}$ of an inch thick, each plank to be 9 feet in length, arranged longitudinally, with both sides and ends neatly joined with half inch scarves, as shown below:—



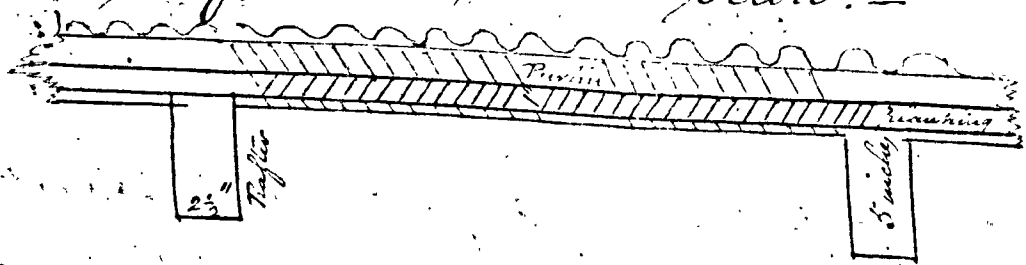
Edges. boards to be scalloped thus:—



to afford a decent appearance, and screen the rafters &c. and prevent birds and vermin from getting into the roof. All joints lengthways should

be made on rafters.
Mortising Purlins.

The removed rafters of Verandah are to be used for this work. They will be mortised with the broader face placed on the rafters, as exhibited below:—



Coir Matting.

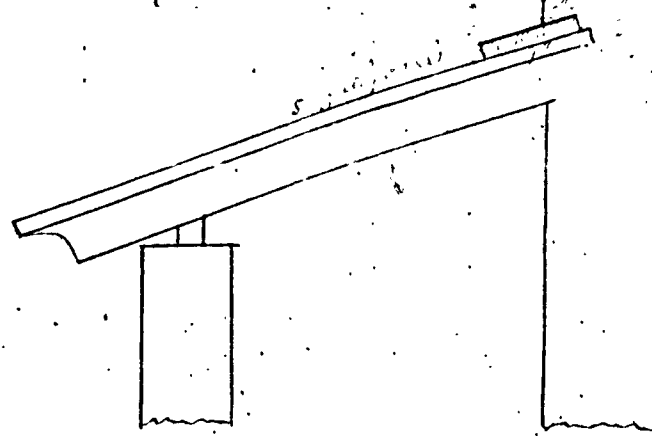
To be one inch in thickness and firmly nailed down on the planks. A span between planking and corrugated iron may be firmly stuffed or caulked with a mixture of half cotton and half coir.

Corrugated Iron Roofing

The size of the pieces required is $7\frac{1}{4}$ feet in length, but as none of that gauge are available, 8 feet sheets have been estimated for, thereby increasing the lapping to 1 foot. They are to have wind ties, binding the roofing to the purlins at intervals.

Iron Roofing

As procurable from the market at Madras; the roofing when fixed will overlap the hip rafters one foot on each side, and securely rivetted. Iron roofing or a plain sheet of galvanised iron will be set 3 inches into the wall and around the main building. These weather sheets will overlap the corrugated iron of Verandah to a width of 9 inches, to be closely rivetted to the galvanised iron, to make it water tight as shown below:—



Whitewashing two coats

Both inside and out. Additional ^{to be used} gum for the ceiling of main building.

Green Painting two coats

The ventilators look shabby from the paint being worn down by climate. A renewal is necessary.

Wood Oiling two coats

No oiling has hitherto been applied to the wood work, it will be applied to protect it from white and dry rot, & for giving a tidy appearance.

Sub Insr. Mr. T. R. R.

Coll. R. C.

District Engineer

Ord. Range Office

18th Oct 1875

15 Nov 1875

FINAL DISPOSAL PROPOSED.

Fund - Educational Building

Class - Educational

Main-head - Civil Buildings

Sub-head - Repairs -

Name and Purpose of Work

[to be taken from Estimate title.]

Repairing Lillak
School at Gundlupate

Amount of Estimate, Rs. 5660

10 " 3400

Local Requisition -

From
Not Urgent date No.

Original Sanction No. 187

Detailed Plans and Estimates ordered
by G. O. No. 1240 3 May P. W. of 1875.

Intermediate Disposals -

Returned to District Engineer with No.
of 187

Received from District Engineer with No.
of 187

BUDGET PARTICULARS.

Funds available on (date)
Rs.

From
There are no funds
available in the P.W.D.
for the work.

Proposed for entry in Budget of 187

In the case of Revenue Buildings state if on the sanctioned list.

1604

Specification to be
confined to estimate for
repairing of school house
at Gundlupate
Sub. No. 5660

M. 8020/75

No 11 March 1907

ABSTRACT
OF
FINAL DISPOSAL.

[Form No. 1, M. Wks.]

Current Nos.

Buddapah.
DISTRICT.

of 187

ESTIMATE.

(DOCUMENTS IN FILE.)

Sanctioned for entry in Budget
of 187
Funds allotted from
vide G. O. No. of 187

From District Engineer of *Buddapah*
Covering letter No. *1969* dated *15 Decr* 1875.

" " " " 187
Range Officers " " " " " " " "

Detailed Estimates No.

Abstract " *25* " " " " " "

Plans " *7* " " " " " "

Specification Reports *1* " " " " " "

From Office

Government Orders and Proceedings.

Depart- ment.	No.	Date.	ENDORSEMENTS, P. W. DEPT.	
			No.	Date.
<i>Public Works</i>	<i>1240</i>	<i>5 Aug/75</i>		

No 1969 *Buddapah District*
Engineer's Office
18th December 1875
From The District Engineer
of Buddapah
To The Secretary to Government
Public Works Department
Fort St. George

Sir With reference to Para 6 of G.O.
No 1240 of 5 May 1875, I have the
honor to forward two abstract estimates
and one specification for repairing
the *Hillab School* at *Buddapah*.
2. The specification and abstract
estimate amounting to Rs 5660 pro-
vide for putting planing and ear
matting under the corrugated iron,
but as I do not consider these
necessary for a *Verandah* I beg
to submit an alternative estimate
for Rs 3400.

3. I submitted the two estimates
to the *Director of Public Instruction*
who has counterigned both of
them but has not stated which
he would wish to have carried
out.

I have the honor to be
Sir
Your Most Obedient Servant

A. M. J. Colonel R. E.
District Engineer

20.12.74 No 150 hrs
 20.11.74 147 - 11.3.75
 22.9.74 484.483
 6.3.73 132.135 994
 16.5.73 77 hrs 23.12.74
 13.1.74 240.243
 4.4.72 96 hrs
 2.8.71 7 -
 26.1.71 146 -
 24.2.69 599.600
 20.12.66 4030
 4.8.65 132.133
 3.5.75 46.49

P. M. 1875
 1969
 No 5020
 From
 The District Engineer
 of Coimbatore
 To
 The Secretary
 to Government
 P. M. S.
 Coimbatore
 Dated 15th December 1875
 No 3
 Submitted 2 Abstracts
 Returns and 1875
 Return for 1875
 the Public School
 at Coimbatore for
 1875

Charges No 62 7/13/76

No 17 March 6 B 250

14-3-76

1975

Copy of a letter from the Officer in Charge of
 Coimbatore Range to the District Engineer of
 Coimbatore. Dated 23rd February 1876. No 818.

In obedience to Order from the
 Officiating Deputy Chief Engineer dated the
 13th of January 1876 Communicated to this
 office with your No 2108 of the 17th I deem I
 have the honor to submit the revised Es-
 -timates for repairing the Zilla School house
 at Coimbatore which amounts to Rs 100-0-0.
 2. After making inquiry from the Deputy
 Conservator of Forests of this District it is
 ascertained that Jungle wood planks
 cannot be obtained from that Department,
 neither can the quantity required for the
 verandah be obtained in the local market,
 and with regard to the rate, I beg respectfully
 to explain that I am not aware of any
 planing work having been executed
 previously in this District and in consequence
 the rate for this description of work cannot
 be fixed with exactitude, but I learn from
 inquiry that it is lower than work of a
 similar nature turned out at Bangalore.
 3. I also beg to explain that the rate
 entered in our Schedule for "Teak wood
 wrought and put up" is for beams rafters
 and such like, whereas for "planing" the

the work of Sawing and fitting &c. is much greater and is also in the waste more considerable.

4. I also beg to point out that in the data submitted with the original Estimate no material was allowed for "grouting" by oversight, this has been corrected and the rate increased from Rs. 0-5-0 to Rs. 0-10-9 in enclosure.

1. Abstract Estimate amounting to Rs. 5100-
do - - - - - 1 detailed do - do

1 Specification

2 Lists

5 enclosures

5. I also beg to return "Enclosures" appertaining to original Estimate.

A. M. S. Local: R.R.
District Engineer of
Cooldapah

218
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C
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one
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P.W. 1604/76.

Enclosed in a letter
from the District
Commissioner of
the Chief Engineer
Public Works Dept
dated 21st Decr
1876.

No 17 March 76 P.W. 256

234
Letter of 1875-76. P.W. 1604/76. District Engineer
Office dated 1st Decr 1876.
From the District Engineer

The District Engineer
P.W. Department
St. George.

The Chief Engineer
P.W. Department
St. George.

Sir

With reference to instructions con-
veyed in memorandum No 62 dated 13 January
1876 I have the honor to acknowledge a copy
of letter from the Officer in charge of
P.W. Department together with a revised
abstract estimate of specification,
amounting to Rs 5700
for repairing the Gillah School
House at P.W. Department.

2 I beg to state that the present
estimate provides the improvements
& alterations as suggested in the above
mentioned memorandum and that the

[Faint handwritten notes and markings along the right margin.]

Sir
 Your devoted servant

W. H. Long

Disiecta Linguae

6

Department.

agreement will be

-14-3-26.

Papers put up with Chgo
8020/75 & 1604/76.

404: Augt/65 No 2248
 " 20: Decr/66 - 4030
 " 24: Febr/69 - 596.
 " 13: Janu/70 - 122
 " 16: March - 719
 " 16: May - 77
 " 22: Sept/74 - 2696.
 " 20: Nov - 147
 " 17: Decr - 150.
 " 3: May/75 - 1240.

14-3-76.

21st 1875
 No 689
 Public Works Department.

PROCEEDINGS of the MADRAS GOVERNMENT.

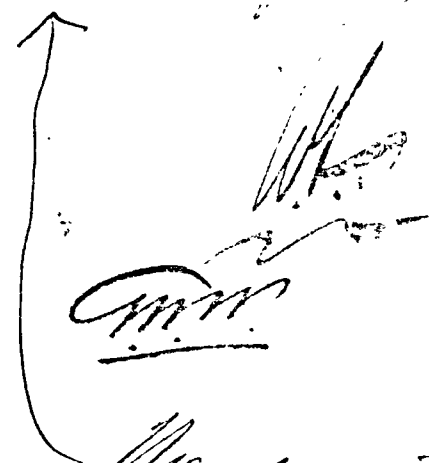
UNDER date the 17th March 1876.
 READ the following:—

From
 The Dist Engineer } H.B. No 1969 d/15 Decr 1875
 Cuddalore
 Chief Engineer }
 Memorandum }
 Letter from District }
 Engineer Cuddalore } 2461 - 17 March 1876

The Honorable
 Madras to P.W.D.
 Commission of the
 claim for Weather
 plates, and a claim
 of 5 per cent
 only for proindio
 and for proindio
 in Cuddalore.

The Educational
 Department will be
 requested

Requested to arrange
for provision of
funds in anticipa-
tion of which the
work will be
entered in the
Budget of 1876-77.


W. H. H.

The sanction
accorded in para. 1 of
these Proceedings has
been registered as
Provincial No. 24 W.
of 1875-76-

256-257

2 Encls
+ Returned C. No. 2810

L. J. Gaddaiah
Exam. P. W. Sects

802075
1904
✓
Govt. of Madras.

PUBLIC WORKS.

To
The Sr Engineer
Cuddalore

18/3

1-10

1-10

1-10

1-10

17 March 1889

No. 256-257

Madhav School at Cudda-
lore — The reduced
estimate amounting to Rs
4500 for repairing the
sanctuary, and the Edu-
cational Dept requested
to provide funds

11/2/89
Educ. Dept
Disb = 30-3-76

802075
1904
✓
Govt. of Madras.

PUBLIC WORKS.

To
The Sr Engineer
Cuddalore

18/3

1-10

1-10

1-10

1-10

17 March 1889

No. 256-257

Madhav School at Cudda-
lore — The reduced
estimate amounting to Rs
4500 for repairing the
sanctuary and the Edu-
cational Dept requested
to provide funds

11/2/89
Educ. Dept
Disb = 30-3-76