

(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.	1240	Press
B.P. No.		Mis.
Dated	3-5-	195

Not to be folded or roughly handled

Read the following papers:—

No. 46. Endorsement of the District Engineer of Cuddapah, dated Camp at Cona-
poor, 24th November 1874, No. 1,634.

From W. F. DONAGHUE, Esq., Sub-Engineer, in charge Cuddapah Range, to
Colonel A. S. MOBERLY, R.E., District Engineer, Cuddapah, dated Camp
at Tippalur, 13th November 1874, No. 1,439.

I HAVE the honor to inform you that Mr. Perrett, Head Master of the Zillah School,
• No. 54, dated 26th October 1874. has brought to notice (*vide* his letter*
enclosed) the leaky condition of the school-
house at Cuddapah.
There is a mistake here, *vide* letter from Director of Public Instruction, attached to G. O., No. 122, of 13th January 1873.—A. S. M.

2. The building was erected in 1855
and originally cost Rupees 11,554. For re-roofing and repairs subsequent accounts
show an outlay of Rupees 6,679; total for construction and repairs Rupees 18,233.

3. The extreme interior of the school-room which consists of three compartments
measures 120 feet by 20 feet. The walls are 16 feet high by $1\frac{1}{2}$ feet thickness, support-
ing a terraced roof composed of eleven teak wood girders (12" by 18") 224 joists (3" by 6")
terrace bricks, three courses of flat tiles, and three courses of plastering. The timber
scantlings are ample.

4. The verandah measures 12 feet in width and is carried all round the building.
The roof is composed of teakwood rafters $2\frac{1}{2}$ " by $4\frac{1}{2}$ ", teakwood reepers $2\frac{3}{4}$ " by $\frac{1}{2}$ ", covered
with flat tiles and plastered in the usual way with three coats of chunam. The rafters
have a uniform bent appearance in the centre of each length, clearly indicating insuffi-
ciency of scantling.

5. I have carefully examined the building and attribute the leakages to the
inferiority of the materials made use of in the roof; the bricks and tiles are quite porous,
and the chunam is not of the first quality. The late heavy rains exposed these defects
which were not apparent before. I may here add that the leakage was so great that
the master had to close the school more than once. The terraces were literally satu-
rated, and the water from them was dripping for hours after the rains had ceased.

6. The remedy I propose is to remove a coating of the surface plaster from the
flat terrace and to substitute a covering of asphalt from $\frac{3}{8}$ to $\frac{1}{2}$ inch in thickness; this
material being impervious to water would make the roof, which is free from settlement,
quite watertight. The experiment is worth a trial, and if it proves successful, the
Bengal terrace forming the verandah may be afterwards treated in a similar manner.

7. The style of workmanship in the doors, windows, and ventilators is anything
but creditable, and I expect there will be continual calls in the future for repairing them.

8. Considering the first outlay, the subsequent expenditure on repairs and present
condition of the building, the work is a standing disgrace to the Overseer who originally
supervised its construction.

From E. E. PERRETT, Esq., Head Master, Zillah School, Cuddapah, to W. F. DONAGHUE,
Esq., Sub-Engineer, in charge of Cuddapah Range, dated Cuddapah, 26th October 1874,
No. 54.

I HAVE the honor to call your attention to the leaky state of the school-house. When you
saw the school during the late rains it was only the eastern room which leaked, but to-day there
is not a single room without leakage.

FORWARDED for the information of Government.

(Signed) A. S. MOBERLY, Colonel, R.E.,
District Engineer, Cuddapah.

No. 47. From Colonel A. S. MOBERLY, R.E., District Engineer, Cuddapah, to Colonel G. W. WALKER, R.E., Chief Engineer, Public Works Department, dated Camp at Cuddapah, 22nd February 1875, No. 2,234.

I HAVE the honor to acknowledge the receipt of your memorandum, No. 994, of 23rd December 1874, requesting me to give a complete history of the Zillah School at Cuddapah, and to give my opinion as to the suitability of the repairs proposed by the Officer in charge of the Cuddapah Range in his letter, No. 1,439, of 13th November 1874.

2. The design of this building is the standard plan which existed in 1859, as I gather from the estimate which is signed by Captain (now Colonel) Hemery, then as I gather from G. O., No. 122, of 13th January 1873, Overseer Serjeant Jeffrey was dismissed for gross misconduct in connection with the work, and the Acting District Engineer Major (now Colonel) Palmer was blamed for negligent supervision.

3. In June 1865, Mr. Biggers, the Range Officer, submitted an estimate, amounting to Rupees 1,355, for removing the jungle-wood beams in the east and centre rooms which had sagged very much, for replacing them with teakwood beams and substituting a brick terrace roof in place of the stone slab roof. This was sanctioned in G. O., No. 2,208, of 4th August 1865, in the Public Works Department. In my letter, No. 119, of 28th August 1865, I reported that the beams in the western room had shown no symptoms of sagging, and so I did not consider it necessary to alter its roof.

4. In G. O., No. 4,030, of 20th December 1866, sanction was communicated for an estimate for Rupees 894 for similar alterations of the roof of the western room, and a report on the condition of the building after the completion of the work was ordered to be submitted. This work was carried out under the supervision of Mr. Biggers.

5. In my letter No. 3,352, of 14th December 1868, I submitted a report on this building, and in the Government Order thereon, No. 596, of 24th February 1869, an estimate, amounting to Rupees 5,710, was prepared in May 1870, by Mr. P. O'Ratigan, the Range Officer, and was submitted with my No. 523, of 4th June 1870. It was returned for revision with G. O., No. 220, of 8th July 1870, in the Educational Department, and was again ordered to be revised in G. O., No. 16, of 19th January 1871, in the same department in spite of the Executive Engineer and my protests. The revised estimate, amounting to Rupees 3,274, was submitted in June 1871, and was sanctioned in G. O., No. 208, of 21st July 1871, in the Educational Department. While it was under execution under the supervision of Mr. Hunter, the Range Officer, and Overseer Serjeant Richmond, it was found necessary to submit a supplemental estimate, amounting to Rupees 635, which was passed in G. O., No. 130, of 4th May 1872, in the Educational Department.

6. In G. O., No. 122, of 13th January 1873, in the Public Works Department, the then District Engineer was called on for a special and early report on the condition

of this building, the manner in which the repairs executed in 1871 and 1872 had been carried out, what were the causes and with whom rested the responsibility of the failure, and what further repairs were necessary.

7. This information was supplied by Mr. Sage in his letter, No. 252, of 17th January 1873, No. 308, of 30th January 1873, and No. 334, of 5th February 1873, on which G. O., No. 719, of 6th March 1873, in the Public Works Department, was passed. Mr. Sage at the same time submitted an estimate, amounting to Rupees 2,300, for removing the old terrace roof with the old jungle-wood joists and for putting in teakwood joists and reconstructing the terrace roof, and for pulling down and re-building the east end wall. Mr. Sage also states that he would have suggested an extra course of flat tiles, but as the rafters are only from $2\frac{1}{4}$ to $2\frac{3}{8}$ inches instead of $2\frac{1}{2}$ inches in breadth he did not wish to add extra weight. He appears to have forgotten or overlooked to state that these rafters instead of being 5 inches deep as was estimated for are generally speaking only $4\frac{7}{8}$ inches and in some cases $4\frac{1}{2}$ inches. He therefore proposed roughing the existing plaster and recover with three coats of plaster properly.

8. The work was carried out under the orders of Mr. Hunter who was Range Officer until June 1873, when Mr. Thorpe, the Sub-divisional Officer, took charge up to March 1874, at which period he was relieved by Mr. Donaghue, the present Range Officer; at this time the work was nearly completed. The Overseer was K. C. Vishvanatha Iyer up to March 1874, when he was relieved by Mr. Mathews.

9. When I inspected the building on 28th May 1874, I considered that the work had been well done agreeably to the estimate; there was no appearance of leaking, although there had been heavy rain in the early part of the month; but I observed that the verandah rafters had sagged a good deal.

10. In every month after May there was rain; during September it was very heavy amounting to 31.75 in that month alone and during the 6th and 16th the falls in 24 hours amounted to 5.50 and 3.40 respectively, and yet there was no appearance of leakage until the rains of the latter part of October at which time the rain was not heavier.

11. I have now carefully inspected the building, and taking into consideration what I have stated above, I cannot agree with Mr. Donaghue as regards the terrace roof, though I must admit that the bricks and tiles are not good; good bricks and tiles are very difficult to procure in Cuddapah. I think that the plastering was not rubbed well enough, particularly at the spouts. I would propose, as a trial, in place of the expensive remedy recommended by Mr. Donaghue, to break the top course of the present plastering, carefully fill up all cracks with good fine liquid mortar, and then cover with two coats of plaster to be very carefully rubbed. I would also remove the low parapet walls and place short pillars about 3 or 4 feet apart with covering stones so as to admit of freer escape for the water and which would not get choked by leaves, squirrels, or birds' nests.

12. As regards the verandahs the leakage is I think attributable, as Mr. Donaghue says, to the rafters having sagged. The scantling is not according to the estimate. To put this into order it will be necessary to remake the whole roof. I beg to submit, for the consideration of Government, that it would be more economical to put on corrugated galvanized iron or zinc, and if that was considered too hot or noisy, planking and coir matting might be placed between the rafters and the iron or zinc.

*Proceedings of the Madras Government, Public Works Department,
3rd May 1875.*

No. 48. From Colonel A. S. MOBERLY, R.E., District Engineer, Cuddapah, to Major A. DEC. SCOTT, R.E., Under Secretary to Government, Public Works Department, dated Camp at Peclair, 17th March 1875, No. 2,441.

WITH reference to your memorandum, No. 287, under date the 11th instant, I have the honor to forward the estimate of Rupees 2,300 for repairing the Cuddapah Zillah School as therein called for.

No. 49. ORDER THEREON, 3rd May 1875, No. 1,240.

CIVIL WORKS, No. 3.

The history of the Zillah School at Cuddapah is recorded in G. O., No. 122, of the 13th January 1873, so far as of the 13th January 1873, which concludes by calling for a report from the District Engineer regarding the actual condition of the building and other circumstances connected with it.

2. This report, which is recorded under G. O., No. 719, of the 6th March 1873, stated that the roof of the main building reported on in 1870 as well as the last end wall was cracked and leaky, and that the roof of the verandah rebuilt so lately as April 1873 was in the same state. It appeared that the work had been inefficiently supervised by Serjeant Richmond, R.E., who has since been dismissed from the department, and that the Contractor had executed it badly. Orders had already been issued to prevent the further employment of the latter by Public Works Officers. The superior officers in charge at that time were Major Moberly, R.E., as Superintending Engineer, and Mr. Hunter as Range Officer. The District Engineer Mr. Sage submitted with his report above noticed an estimate, amounting to Rupees 2,200, for the repairs required which were carried out and completed in March 1874. Briefly, the estimate provided for the addition of a coat of plaster to the verandah, and for the renewal of the roof of the main building by replacing the jungle-wood joists with others of teak, and reforming the terrace in the usual manner. The east end wall was also taken down as far as the top sills of the doors and rebuilt. The remedy applied to the verandah was imperfect and superficial, for the woodwork was as it subsequently appeared of insufficient scantling.

3. The District Engineer with his endorsement of the 24th November 1874, No. 1,634, forwards a report from the Range Officer stating that the roof of the main building is again in a leaky state, and that the rafters of the verandah have sagged, and he attributes the condition of the former to the bad materials used, viz., bricks, tiles, and chunam.

4. The District Engineer in his letter of the 22nd February 1875, No. 2,234, attributes the failure not so much apparently to the quantity of the bricks and tiles as to the want of rubbing down of the plaster. He adds that the work appeared when he inspected it to have been well executed, and that although there was an extraordinary quantity of rain very soon after it was completed, there was no leakage, nor was there evidence of any till the October following.

5. Mr. Sage is responsible as District Engineer for the estimate and execution of this work. As regards the verandah, it is to be regretted that he did not at the time suggest the entire reconstruction of the roof as the defect of want of strength in the

*Proceedings of the Madras Government, Public Works Department,
3rd May 1875.*

timber supports rendered it hopeless to secure a watertight plaster covering by merely adding to its thickness. The failure of the terrace roof of the main building is unfortunate, but the excessive rain which saturated it so soon after its completion may account for its present defective state.

6. Colonel Moberly will now furnish estimates for removing the roof of the verandah and replacing the Bengal terrace work with corrugated zinc; and for repairing the roof of the school-room and altering the parapet wall in the manner he suggests. And he will bestow himself, and also impress on the Range Officer the necessity for giving the most careful attention to the carrying out of the details when approved, in order that there may be no repetition of the failures which have occurred.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the Director of Public Instruction,
" District Engineer, Cuddapah.
" " South Arcot.

Exd. W. J. Lewis.
Spare Copies

No 1439 Camp Supplur
13th November 1874

From

The Officer in Charge
Cuddalore Range

To

The District Engineer
Cuddalore

Sir

I have the honor to inform you
that Mr Perrett Head Master of the
Mylak School has brought to notice (vide
his letter enclosed) the bad condition of
the School House at Cuddalore.

12.54 dated
26.10.1874

The building was erected in 1855 and
originally cost Rs 11,500. For re-roofing and
repairs subsequent accounts show an outlay
of Rs 6679. Total for Construction & repairs
Rs 18,233

The extreme interior of the School
room which consists of 3 compartments
measures 120 feet x 20 feet. The walls are
16 feet high x 1 1/2 feet thickness, supporting
a terraced roof composed of eleven teakwood
girders (12" x 18") two hundred and twenty four

joists (3" x 6"), terrace bricks, three courses of flat tiles and 3 courses of plastering. The timber scantlings are ample.

4 The verandah measures 12 feet in width and is carried all round the building. The roof is composed of teak wood rafters $2\frac{1}{2}" \times 4\frac{1}{2}"$, teak wood sleepers $2\frac{1}{2}" \times \frac{1}{2}"$, covered with flat tiles and plastered in the usual way with three coats of chunnam. The rafters have a uniform bent appearance in the centre of each length, clearly indicating inefficiency of scantling.

5 I have carefully examined the building and attribute the leakage to the inferiority of the materials made use of in the roof, the bricks and tiles are quite porous and the chunnam is not of the first quality. The late heavy rains exposed these defects which were not apparent before. I may here add that the leakage was so great that the Master had to close the school more than once. The terraces were literally saturated, and the water from them was dripping for hours after the rains had ceased.

6 The remedy I propose is to remove

a coating of the surface plaster from the flat terrace and to substitute a covering of asphalt from $\frac{3}{8}$ to $\frac{1}{2}$ inch in thickness, this material being impervious to water would make the roof which is free from settlement quite water tight. The experiment is worth a trial, and if it proves successful, the benzal terrace forming the verandah may be afterwards treated in a similar manner.

7 The style of workmanship in the doors, windows and ventilators is anything but creditable and I expect there will be continual calls in the future for repairing them.

8 Considering the first outlay, the subsequent expenditure on repairs, and the present condition of the building, the work is a standing disgrace to the Overseer who originally supervised its construction.

I have &c

Signed W. F. Donaghue

Sub Engineer

N^o 1634 of 24th November 1894
(True copy)

Forwarded for the information of Government.

Buddapah District
Engineers' Office
(Camp Bonapoor)

Col. R. C.
District Engineer
of Buddapah

From
E. E. Perrett Esq.
Head Master
Zillah School
Cuddalore
To
W. Donaghue Esq.
Engineer in charge of
Cuddalore Range
Sir

I have the honor to call your attention
to the leaky state of the School house.
When you saw the school during the late
rains, it was only the eastern room which
leaked, but today there is not a single room
without leakage.

I have the honor to be
Sir
Your Obedient Servant.
Signed E. E. Perrett
Head Master

(True Copy)

W. Donaghue Esq.
District Engineer

Recd. 28th 74 by
The District Engineer
Cuddalore
To
The Secretary to Government
Public Works Department
Madras
Dated 24th 74
Received 28th 74
Enclosed
Forwarded copy of
letter No 1439 from the
Officer in charge of
Cuddalore Range
on the leaky condition
of the Zillah School
at Cuddalore and
for information
W. Donaghue Esq.
23rd Dec 74

No. 2234 of 1874-75

Juddapah District Engineer
Affin Camp Juddapah
22^d February 1875

From

The District Engineer
Juddapah.

To

The Chief Engineer
Public Works Department
Fort Saint George

Sir

I have the honor to acknowledge
the receipt of your Memorandum to 994 of
23^d December 1874, requesting me to give a
complete history of the Gillah School at
Juddapah and to give my opinion as to the
suitability of the repairs proposed by the
Officer in charge of the Juddapah Range
in his letter to 1439 of 13th November 1874.

2. The design of this building is the
standard plan which existed in 1869,
as I gather from the Estimate which is signed
by Captain (now Colonel) Steney, then District
Engineer of Juddapah. It was constructed

8. 9. 94-67/74

at a cost of Rupees 10683 and as I gather from
G.O. No. 122 of 13th January 1873 Overseer
Sergeant Jeffrey was dismissed for gross
misconduct in connection with the work
and the Acting District Engineer, Major
(now Colonel) Palmer was blamed for
negligent supervision.

3. In June 1866 Mr. Biggers, the Range
Officer, submitted an estimate amounting
to Rs 1356 for removing the jungle wood
beams in the East and Centre rooms which
had sagged very much, for replacing
them with teakwood beams and suboti.
putting a brick Terrace roof in place of
the stone slab roof. This was sanctioned
in G.O. No. 2208 of 4th August 1866 in the
Public Works Department. In my letter
No. 119 of 28th August 1866 I reported that
the beams in the western room had shown
no symptoms of sagging and so I did not
consider it necessary to alter its roof.

4. In G.O. No. 4030 of 20th December 1866
sanction was communicated for an estimate

156
for Rs 894 for similar alterations of the
roof of the western room, and a report
on the condition of the building, after
the completion of the work was ordered to be submitted.
This work was carried out under the super-
-vision of Mr. Biggers.

5. In my letter No. 3352 of 14th December
1868 I submitted a report on this building
and in the Government order thereon
No. 596 of 24 February 1869 an estimate for
putting the School house into thorough
repair was called for. This estimate
amounting to Rs 5710 was prepared in
May 1870 by Mr. P. D. Patil, the Range
Officer and was submitted with my
No. 523 of 4th June 1870. It was returned for
revision with G.O. No. 220 of 8th July 1870
in the Educational Department and was
again ordered to be revised in G.O. No. 16 of
19th January 1871 in the same Department
in spite of the Executive Engineer's and
my protests.

6. The revised estimate amounting to

to Rs 3274. was submitted in June 1871 and was sanctioned in G.O. No. 208 of 21st July 1871 in the Educational Department. While it was under execution under the supervision of Mr. Hunter, the Range Officer and Quinlan Sergeant, Richmond it was found necessary to submit a supplemental estimate amounting to Rs 635 which was passed in G.O. No. 130 of 14th May 1872 in the Educational Department.

7. In G.O. No. 122 of 13 January 1873 in the Public Works Department the then District Engineer was called on for a special and early report on the condition of this building; the manner in which the repairs executed in 1871 and 1872 had been carried out; what were the causes and with whom rested the responsibility of the failure; and what further repairs were necessary.

8. This information was supplied by Mr. Sage in his letter No. 252 of 17th

January 1873, No. 308 of 30th January 1873 and No. 334 of 5th February 1873 on which G.O. No. 719 of 6th March 1873 in the P.W.D. was passed. Mr. Sage at the same time submitted an estimate amounting to Rs 2300 for removing the old Terrace roof with the old jungle wood joists and for putting in teak wood joists and reconstructing the Terrace roof, and for pulling down & rebuilding the east end wall. Mr. Sage also states that he would have suggested an extra course of flat tiles, but as the rafters are only from 2 ft. 6 23/8 inches instead of 2 1/2 inches in breadth, he did not wish to add extra weight. He appears to have forgotten or overlooked to state that these rafters instead of being 6' deep as was estimated for are generally 4 ft. 6 inches only 4 7/8 inches and in some cases 4 1/2 inches. He therefore proposed roughing the existing plaster and recove with three coats of plaster.

022.4.76
rubbish. I would also remove the low
parapet walls and place short pillars
about 3 or 4 feet apart with covering
stones so as to admit of free escape
for the water and which would not get
choked by leaves, squirrels or bird nests.

13. As regards the Veranda the leakage
is I think abundant, as Dr. Donaghy
says, to the rafters having sagged. The
seamting is not according to the estimate.
To put this into order it will be necessary
to remake the whole roof. I beg to submit
for the consideration of Government
that it would be more economical to
put on Corrugated galvanized iron or
zinc and if that was considered too hot
or noisy, planing and coir matting might
be placed between the rafters and the iron
or zinc.

I have the honor to be

Sir
Your most Obedt. Servant,

H. M. J. (1868)

Distt. Engineer

with
List
Vol
1868

P. W. 1875-1876 Part 3
 From No 1207
 The District Engineer
 Cuddalore

To
 The Chief Engineer
 Public Works Deptt
 Fort St. George

Dated 22nd March 1875
 Received 24th
 Memo: No 287 of 11th March 75

Gives certain
 explanations re:
 gardening repeated
 repairs of the Zillah
 School at Cuddalore

No 47
 6-22-16-75

Memo 77 of 16th May 73.
 " 150 - 17th Decr 74
 " 147 - 20th Nov "
 " 2696 - 22nd Sept "
 " 96 - ~~11th Sept~~ May 72
 " 719 - 6th March 73.
 " 122 - 13th Janr 73.
 " 7 - 2nd Aug 71
 " 146 - 26 Janr "
 " 153 - 16th July 70
 " 596 - 24th Feb 69
 " 6030 - 20th Decr 66.
 " 2148 - 6th Aug 65
 Memo: 994 of 23rd Decr 74
 " do " 287 - 11th Mar 75

Civil Building		Repair			
Cuddalore District		Cuddalore Taluk Cuddalore Village			
Work		Repairing the Zillah School at Cuddalore			
Reference					
Particulars of work.	Number.	Measurement in.			Contents.
		Length.	Breadth.	Height.	
Removing Terrace Roof	"	122 1/2	21		2569
Do East verandah wall	"	37	14		518
		Total Area			3087
Removing end wall	"	23	1 1/2	8	276
Do Parapet wall	"	267	1	1	267
		Total Cft			543
		or Cu 8			20 1/2
Reconstructing Terrace Roof to drain building	"	122 1/2	21		2569
		Total Area			2569
Do Verandah wall & new East wood rafter, nails & corrug flat tiles 3 coats of plastering to top of it	"	37	14		518
		Total Area			518
Building Parapet wall	"	267	1	1	267
Do end wall	"	23	1 1/2	9	310 1/2
		Total			577 1/2
Deduct					
For flat arch work over two doors & ventilation	"	18	1 1/2	3/4	20 1/4
For two Ventilators	2	4	1 1/2	1 1/2	18
		Total Deduct			38 1/4
Total less deduction					539 1/4

Particulars of work.	Number.	Measurement in			Contents.
		Length.	Breadth.	Height.	
<u>Flat arched work</u>					
Over doors in east veranda wall	2	5	1 1/2	3/4	11 1/4
2 Ventilators	2	4	1 1/2	3/4	9
<u>Wood work</u>					
Similar units for ventilators	2	8	5 1/4	2/3	6 2/3
Joists for main building	196	11	3"	6"	269 1/2
<u>Plastering to Parapets</u>					
Whitewashing new work					
		26 1/2	3		80 1/2
		23	9		207
		20	9		180
<u>Plastering main end wall outside</u>					
do do do inside					
		23	9		207
		20	9		180
<u>Plastering to Parapet</u>					
		26 1/2	13		80 1/2
					11.88
<u>Painting</u>					
Back and west veranda	2	47	12		1128
North and south do	2	124 1/2	12		2988
<u>Cornice work</u>					
					41.1
					24
<p><i>W. H. Mendenhall</i> Assistant Engineer</p>					

ABSTRACT					
Quantities.	Description of work.	Rate.	Per.	Amount.	Amount of each part.
30.87	Sqrs Removing terrace roof	2	"	Sqrs	61 11 10
20 1/4	Cyds Removing walls	"	8	Cyds	10 - 10
25.69	Sqrs Reconstructing terrace roof to main building	24	"	Sqrs	616 8 11
5.18	do do to veranda	14	"	Sqrs	72 8 3
539 1/4	Cyds Rebuilding parapet	"	28	Cyds	84 4 -
20 1/4	do Flat arched work	"	32	Cyds	4 - 1
276 1/2	Cyds Wood work	4	"	Cyds	1104 10 8
11.88	Sqrs Plastering and whitewashing Parapet and main wall	48	"	Sqrs	53 7 4
3.87	Whitewashing 2 coats	"	4	Sqrs	15 6
41.12	do Pointing	2	"	do	82 3 10
24	Sqrs Cornice	"	4	Sqrs	6 -
<p>Sundries and superintendence @ 10 Per Cent</p>					2096 7 3
Total Estimate					2300 - -
<p>Cuscutapala Range Office 17 January 1873 Village District Engineer Cuscutapala</p>					
<p><i>W. H. Mendenhall</i> Assistant Engineer</p>					

Public Department
 from Lands
 Ch. & G. Collection
 C. C. C. C. C.
 The Chief Secretary
 to Government
 Fort St. George
 Dated 30 March
 Recd - 7 April } 1875
 Despatched 15 April
 No. 19
 Enclosures 3. No. 597
 Requests sanction
 for taking up the
 land required for a
 new channel ^{proposed to} be
 excavated at Kullikudi
 under the Act of 1870

transferred

Transferred to Public Works
 Department for Bridge
 W. P. Public Works Dept. 17 April 1875

From
 1872-73
 The Public Works
 Department
 To
 The Superintendent Engineer
 Madras
 Detailed
 Estimate amounting to Rs. 2300
 Dated 27 February 1873
 Received 1873

For Reference the
 Public Works
 Department

1873/75

No. 2441 of 1874-75. Juddapah District Engineer's
Office Camp Belair
17th March 1875

From

The District Engineer
Juddapah.

To

The Under-Secretary
to Government
Public Works Department

Sir,

With reference to your memo
No. 237 under date the 11th instant
I have the honor to forward the Estimate
of Rs 2300 for repairing the Juddapah
Gillah School as therein called for.

I have the honor to be

Sir
Your most obt. servant.

W. Moberg J.O.B.R.

District Engineer

Pub. Works Dept.

Proceedings of the Madras Government

Read the following:-

From the Dykes Buddapah (H.R. No. 1634 d/26 Nov 1874)

No. 2234 - 22nd Feb 1875

No. 2441 - 7 March

G.O. No. 1240 d/3 May 75

The history of the Zillah School at Buddapah is recorded in G.O. No. 122 of the 13th January 1873 so far as relates to the period antecedent to the date of that Order, which concludes by calling for a report from the District Engineer regarding the actual condition of the building and other circumstances connected with it.

2. This report which is recorded under G.O. No. 719 of the 6th March 1873 stated that the roof of the main building reported on in 1870 as well as the east end wall was cracked

and

P. No. 1875 d/26 Nov.

From H.R. No. 1993

The District Engineer

Buddapah

The Under Secretary

to Government

C. M. Bellamy

Dated 19th

March 1875

Int. 11

Amount to be estimated

amounting to Rs. 1300

for repairing British

School House at

Buddapah.

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leaky state, that the
rafters of the lake have
rotted and he attributes the
condition of the former to the
bad materials used viz bricks,
tiles and Chinam.

4. The District Engineer in his letter of the 22^d February 1876 No. 2234 attributes the failure not so much apparently to the quality of the bricks and tiles as to the want of rubbing down of the pla^s. He adds that the work appeared when he inspected it, to have been well executed, and that although there was an extraordinary quantity of rain very soon after it was completed, there was no leakage nor ^{there} evidence of any till the October following.

5. Mr. Sage is responsible to

District Engineer for the estimate and execution of this work. As regards the verandah, it is to be regretted that he did not at the time suggest the entire reconstruction of the roof as the defect of want of strength in the timber supports rendered it hopeless to secure a water-tight plates covering by merely adding to its thickness. The failure of the terrace roof of the main building is unfortunate, but the excessive rain which saturates it so soon after its completion may account for its present defective state.

6. Colonel Mahirby will
now furnish estimates for
removing the roof of the gran-
dary, and replacing the

Reverend

Bungal terrace work with
 corrugated zinc; and for re-
 pairing the roof of the School
 Room and altering the parapet
 wall in the manner he suggests.
 And he will bestow himself and
 also impress on the Range Officer
 the necessity for giving the most
 careful attention to the carrying
 out of the details when approved,
 in order that there may be
 no repetition of the failures
 which have occurred.

Adm.

Order

To Dir. Public Instruction ✓
 - D. E. Cuddapah ✓
 - - - - - Smt. A. Govt ✓

Desp. 16. 5. 75.

N 46-49

22-2-75 27-4-75

7467 ✓
1207 ✓
1993 ✓

Govt. of Madras
PUBLIC WORKS.

To

The Draft.

Inspector.

Dated

Issued

Recd.

Encl.

30 May No. 1240

Nos. 47-49

Gullah School at Cuddapah.

The District Engineer to furnish
estimate for removing the
roof of the verandah, and
replacing the Bengal terrace
work with corrugated zinc; &
for repairing the roof of the school
room and altering the parapet
wall. The careful attention of
the District Engineer and of the
Range Officer to be given
to the work.