M.R.O. 1—77,006—8-6-37.

(1) Number of pages 24

(2) Date of repair 30-12-1922

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 3598 Press Mis.

662-664

Dated 28. 11. 1865.

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department, 28th November 1865.

Read the following papers:—

No. 662. From the Superintending Engineer, 3rd Division, to the Secretary to Government, Public Works Department, dated Bellary, 5th July 1865, No. 62.

1 Plan.
1 Estimate.
1 Copy of letter.
1 Comparative Statement.

1. With reference to G. O. No. 1,024 of 19th April last, I have the honor to submit an estimate for a trussed roof according to the plan submitted by you, with the addition of a ridge ...ator, which will, I think, greatly add to the comfort of the men.

2. I also enclose a copy of Lieutenant Pennefather's letter,, and as regards the thickness of the pillars, I think that they might be reduced to $2\frac{1}{2}$ at bottom and $1\frac{1}{2}$ at top. I have not altered the estimate, as it would make very little difference in the amount.

3. As regards the last paragraph of Lieutenant Pennefather's letter, I beg to observe that Mr. Bagley, whom Government* would not consent to my employing in charge of the Workshop, might, as a temporary measure, be brought in to carry out this work.

* G. O. No. 1,420 of the 27th May 1865.

MEMORANDUM.

The undersigned has the honor to return the accompanying papers to the Superintending Engineer of the 3rd Division, and to request that they may be re-submitted with the prescribed Comparative Statement, agreeably to paragraph 26, Chapter V. of the Code.

FORT SAINT GEORGE,
10th July 1865.

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government, P. W. D.

No. 663. From the Superintending Engineer, 3rd Division, to the Secretary to Government, Public Works Department, dated Bellary, 14th November 1865, No. 158.

1. With reference to your Memorandum, No. 161, of the 30th August last, I have the honor to submit an estimate of the cost of constructing a roof for a School-room and Place of Worship at Bellary, agreeably to the design therewith forwarded, together with a Comparative Statement showing the cost of the laminated truss roof, for which an estimate was submitted with my letter No. 62 of the 5th July 1865. The cost of the roof according to the present design is, you may observe, nearly Rupees 2,000 cheaper than on the principle of the laminated truss.

2. I would take this opportunity of pointing out that the original estimates for this building was Rupees 11,220; with my letter No. 173, of 19th January 1865, I submitted comparative statements for the two School-rooms and Places of Worship, showing that the increased cost of each would be Rupees 4,174, the revised estimate for each being Rupees 15,394.

Protestant and Roman Catholic.

3. If the laminated truss roof is adopted, the cost of each of these buildings will be Rupees 20,000, whereas if the truss roof, herewith submitted, is preferred, the cost will be Rupees 18,950: in the latter case the extra amount requiring to be sanctioned for each of these buildings is Rupees 7,730, or Rupees 15,460 for the two.

Vide Comparative Statement.

No. 664. ORDER THEREON, 28th November 1865, No. 3,598.

MILITARY WORKS, No. 31.

In November* 1859 the Government approved of an estimate, amounting to Rupees 10,200, for the construction of a building in connection with the European Barracks at Bellary to be used as a School-room and a Protestant Place of Worship, but under the Orders† marginally noted the commencement of the work was deferred until January 1864, when authority‡ was granted for its execution from the additional sum of four lakhs of Rupees, allotted by the Government of India for Military Works.

* Proceedings Military Department, No. 4,057, dated 15th November 1859.

† G. O. Public Works Department, No. 1,913, dated 13th September 1860.

‡ In Proceedings Public Works Department, No. 75, dated 9th January 1864.

2. In consequence, however, of a representation from the Superintending Engineer that the estimate prepared in 1859 was insufficient, and that the roof, as originally designed, was not suitable to a District where skilled Artificers could not be easily obtained, sanction§ was given to a revised plan and estimate of Rupees 11,220.

§ G. O. Military Department, No. 354, dated 30th January 1864.

3. In January last the Superintending Engineer reported that the cost of the work would amount to Rupees 15,394, owing to the necessity of substituting Teak for Nuggur wood, and to the great rise in the price of labor and materials due to the scarcity and dearness of provisions. Subsequently,‖ the Quarter Master General represented that complaints had been made by the Reverend Mr. Macfarlane, and the Officer Commanding the 21st Fusiliers, regarding the space that would be taken up by the centre pillars of the building, and His Excellency the Commander-in-Chief recommended that the subject of providing another description of roof and dispensing with the pillars should be considered. A plan of a laminated trussed roof was accordingly furnished to the Superintending Engineer, with instructions to report whether it could be made up at Bellary without difficulty and, if so, to submit a revised estimate of the cost of substituting it for that provided in the estimate of Rupees 11,220 above mentioned.

‖ *Vide* Proceedings Public Works Department, No. 1,024, dated 19th April 1865.

4. This requisition was complied with in the Superintending Engineer's letter of the 5th July 1865, but as it appeared that a trussed roof according to the proposed plan would be very expensive, and entail considerable labor in its construction, a plan of a much simpler truss was forwarded to Major Moberly for adoption.

5. With the second letter above recorded Major Moberly submits a revised estimate, in which provision is made for the last proposed roof. This estimate amounts to Rupees 18,950, being Rupees 8,750 or upwards of 85 per cent. in excess of the sum originally sanctioned. This excess is owing partly to an alteration in the design of the roof, and to the substitution of Teak for Nuggur wood, and partly to a rise in the price of labor and materials.

6. As the work is now in progress, the Governor in Council has no alternative but to sanction the revised estimate. In doing so, however, His Excellency observes that this is another instance in which little or no care appears to have been evinced in the preparation of estimates for Public Works in Bellary. Much of the proposed expenditure on the buildings under notice would probably have been avoided if the plan and estimate had received that consideration which they demanded, and Major Moberly will now be informed that it is his duty to adopt such measures as will ensure the preparation of correct and reliable estimates, and prevent a recurrence of such unsatisfactory proceedings as Government have so often of late been compelled to notice.

		Rs.
Expended up to 30th April 1865,	...	9,952
Sum allotted in G. O. No. 1,868, dated 4th July 1865...	...	1,268
	Total...	11,220
Amount of last revised estimate	...	18,950
Remaining to be provided	... ...	7,730

7. The additional sum of Rs. 7,736, required for the completion of the work this year, will be allotted from the Reserve under "Military."

8. The Roman Catholic School and Place of Worship at Bellary should be completed on the revised estimate of Rupees 15,394, submitted with the Superintending Engineer's letter of the 19th January 1865. The causes which have operated to produce the excess of Rupees 4,174 over the original estimate (Rupees 11,220) are similar to those detailed in paragraph 3 of these Proceedings. It appears that the outlay on the work up to the 30th April last was Rupees 9,283. The Government now resolve to place a sum of Rupees 2,218 (the balance standing to the credit of the Reserve under Military) at the disposal of the Superintending Engineer, who will report what further amount is likely to be required during the current official year.

Vide G. O. No. 442, dated 11th February 1865.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,
Secretary to Government.

To the Superintending Engineer, 3rd Division,
" Controller of Public Works Accounts.
" Accountant General.
" Military Department.

Exd. S. T. Augustin.

Executive Range Office No 1
Bellary 7th June 1865 51

No 160
1865-66
Jo

The Sup.dg Engr 3rd Division

Sir

In compliance with G.O. No 1024 of 19th ultimo. I have the honor to submit an Estimate for a laminated rib, truss, roof for the school room and Protestant place of worship, now in Course of erection at this Station, showing an Excess of Rs (6006) Six thousand and five over the sanctioned amount.

2 I have the honor also to forward the following Explanatory remarks

3. There are only six trusses at central distances of 14 feet, instead of the usual 10 feet: this has been done to suit the building (the side walls of which are already raised) and provides for one truss between each two=slow. over the space where the centre pillars towards.

4 Nothing has been estimated for removing the pillars as the stone thus obtained will cover the cost of that.

5. In order to avoid breaking the wall by bonding in the pillars, it has been thought advisable to place the new pillars by the side of the wall (the base of the pillar touching the wall): the pillars are 3' diameter at bottom and 2' at top and large slabs connect the tops of the pillars & wall on which the trusses rest.

6. As this is the first work of the kind that has ever been tried at Bellary, the Estimates for wood work have been raised 50 per Cent for the truss and 25 per Cent for the roof as on account of the span we will have to be Extra Careful of the wood work

7. I take this opportunity of remarking that as Mr Overseer Bagley is about to be removed. I have no body under me, who has ever tried his hand at this kind of work before, and I will therefore be obliged to get a Mistry for the Special purpose of superintending its Construction.

I have the honor to be
Sir

Superintending Engineer's office
Bellary July 5th 1865. 71

No 62

From

Captain A. S. Moberly R.E.
Supdg: Engineer 3rd Division

To

The Secretary to Government
P. W. D.

Sir

With reference to G.O. No 1124 of 19th April last. I have the honor to submit an Estimate for a thatch roof according to the Plan submitted by You with the addition of a Ridge Ventilator, which will I think greatly add to the Comfort of the men.

2. I also enclose a copy of Lieut. Pennefather's letter and as regards the thickness of the pillars. I think that they might be reduced to 2½ at bottom and 1½ at top. I have not altered the Estimate, as it would make very little difference in the Amount.

3. As regards the last para of Lieut Pennefathers letter I beg to observe that Mr Bagley, whom Government would not Consent to my employing in charge of the Work Shop, might as a temporary measure be brought in to Carry out this work.

*G.O. No 1420 of the 27th May 1865

I have &c &c

A. S. Moberly Captain R.E.
Supdg. Engr 3rd Div

Lieut Pennefather
Asst Engr

A. S. Moberly Captain R.E.
Supdg: Engr 3rd Div

8/12/2768

Rec'd 19th Aug/65 No 265-266
" 24th " Mayor's 514-515

1865 Daftn
Pro: of Govt for November
No 2522

From

Captain A. S Moberly R.E
Sup.dg: Engr 3rd Div

To

The Secretary to Government
P.W.D.

Dated 5 } —
Rec'd 10 } July 1865

P 184

No 62.

Submits an Estimate for 2 Arches
Roof with Budge Ventilator, with
reference to his No 53 of the 18th
April last and observes that
Mr Bagley may be employed
on the work

Memorandum

The undersigned
has the honor to return the accom-
panying papers to the Superin-
tending Engineer of the 3rd Division
and to request that they may be
resubmitted with the prescribed Cer-
tificate of Retirement agreeably to
para 26 Cap V of the Code.

Fort St George
10th July 1865

Colonel R.E
Secretary to Govt
Pub Works Dept

To The Superintending Engineer
3rd Division
with letter & estimate
papers to be returned with reply

No 662

Rec'd 25th Aug/65 No 285/65

No 3598-28th August/65 Entd

Comparative Statement shewing the Original Estimated and Prevailing Rates, for building a Place of Worship, for a Laminated Rib Truss Roof and for a King Post Truss Roof, at Bellary.

Quantity	Description of Charges	Estimated Rate			Revised Estimate for original Roof			Revised Estimate for laminated Rib Truss Roof			Revised Estimate for the Truss Roof now designed			Increase		Decrease	
		Rate	Per	Amount	Rate	Per	Amount	Rate	Qy	Amount	Rate	Qy	Amount	Qy	Amount	Qy	Amount
3055½	Stone in Chunam	. 1 6	C.ft.	2864 15 3	. 2 .	C.ft.	3819 15 .	. 2 .	3178½	3973 1 5	. 2 .	3133½	3917 11 .	798	99 12 .		
607½	Circular Arch work	. 4 .	.	151 14 .	. 5 .	.	189 13 6	. 5 .	607½	189 13 6	. 4 .	386	96 8 .				
386	Ring Feet of Honey Comb work	. 3 6	Rft.	84 7 .	. 4 .	Rft.	96 8 .	. 4 .	386	96 8 .	. 4 .	386	96 8 .				
1922½	Plastering with 2 Coats	2 8 .	Sq.	480 10 1	3 8 .	Sq.	672 13 11	3 8 .	1922½	672 13 11	3 8 .	1922½	672 13 11				
6172	Flooring	7 8 .	.	462 14 4	8 8 .	.	524 9 11	8 8 .	6172	524 9 11	8 8 .	6172	524 9 11				
724	Superficial feet of Slabs	. 2 .	S.ft.	90 8 .	. 3 .	S.ft.	135 12 .	. 3 .	724	135 12 .	. 3 .	724	135 12 .				
102	Slabs for Pillars	1 . .	Each	102 . .	1 8 .	Each	153 . .	1 8 .	102	153 . .	1 8 .	102	153 . .				
1267-5-8	Cubic feet of Nuggemooe	2 4 .	C.ft.	2851 13 .	3 4 .	C.ft.	4119 4 7	3 4 .	309-4	1005 5 4	3 8 .	309-4	1082 10 8			958-12	3036 9 11
1	Door ½ Panelled ½ Venetians 7'×8'	56 . .	each	56 . .	80 . .	Each	80 . .	80 . .	1	80 . .	80 . .	1	80 . .				
2	Do 5'×7'	35 . .	.	70 . .	50 . .	.	100 . .	50 . .	2	100 . .	50 . .	2	100 . .				
1	Do 3½×6'	21 . .	.	21 . .	30 . .	.	30 . .	30 . .	1	30 . .	30 . .	1	30 . .				
1	Window Venetians 7'×8'	70 . .	.	70 . .	90 . .	.	90 . .	90 . .	1	90 . .	90 . .	1	90 . .				
17	Do 5×7	43 12 .	.	743 12 .	60 . .	.	1020 . .	60 . .	17	1020 . .	60 . .	17	1020 . .				
16	Panelled Ventilators 3×1½	4 8 .	.	72 . .	7 . .	.	112 . .	7 . .	16	112 . .	7 . .	16	112 . .				
2	Spun Circular glazed Spun Lights	24 8 .	.	49 . .	35 . .	.	70 . .	35 . .	2	70 . .	35 . .	2	70 . .				
20	Do Do	12 8 .	.	250 . .	18 . .	.	360 . .	18 . .	20	360 . .	18 . .	20	360 . .				
5312	Terracing with Brick on edge, Jelly, 3 courses of Flat Tiles & 3 Coats of Plaster	25 8 .	Sqrs	1354 9 .	35 . .	Sqrs	1859 3 2	35 . .	758	265 4 9	35 . .	758	265 4 9			4554	1593 14 5
1820	Roofing for Verandah, with 3 courses of Flat Tiles, with 2 Coats of Chunam and Ridges	10 8 .	.	191 1 7	15 . .	.	273 . .	15 . .	1820	273 . .	15 . .	1820	273 . .				
12	Green Painting	3 . .	.	36 . .	3 8 .	.	42 . .	3 8 .	12	42 . .	3 8 .	12	42 . .				
77½	Wood Ceiling	1 8 .	.	116 4 .	2 . .	.	155 . .	2 . .	77½	155 . .	2 . .	77½	155 . .				
19	Tin Water Spouts	. 8 .	Each	9 8 .	. 12 .	each	14 4 .	. 12 .	19	14 4 .	. 12 .	19	14 4 .				
353	C. Yds of Excavation and Sinking &c	. 3 .	C.yd.	66 3 .	. 3 6	C.yd.	77 3 6	. 3 6	353	77 3 6	. 3 6	353	77 3 6				
	Iron work ties	. . .	.	. . .	. . .	.	. . .	. . 4	1296	324 . .	. . 4	4859	1214 12	4857	1214 12		
	Slabs for Pillars	. . .	.	. . .	. . .	.	. . .	. . 2	12	24 . .	. . 2	12	24 . .	12	24 . .		
	C. feet of wood for Truss	. . .	.	. . .	. . .	.	. . .	. . 5 4	460	2415 . .	. . 4	1145-8	4582 12 2	1145-8	4582 12 2		
	Do for Roof	. . .	.	. . .	. . .	.	. . .	. . 4 6	1042-8	4560 8 8	. . .	. . .	. . .	. . .	. . .		
	Roofing with 3 Courses of Jelly and Plaster	. . .	.	. . .	. . .	.	. . .	. . 30 . .	6798	2039 6 4	30 . .	6489	1946 11 2	6489	1946 11 2		
	Centring with Palmyrah wood	. . .	.	. . .	. . .	.	. . .	. . .	. . .	200 . . .	. . .	. . .	. . .	. . .	. . .		
	Sundries	. . .	.	1025 8 9	1399 8 5			1897 4 8			1771 1 5			318 9			
	Total Rupees			11,220 . .	15394 . .			20900 . .			18950 . .			8186 3 4		4630 8 4	

Executive Range Office No 1
Bellary 14th October 1865.

Lieutenant
A. Walker Major R.E.
Superintending Engineer 3rd Div.
Assistant Engineer

Detail Estimate of the probable Expence for a King Post Iron Roof for a place of Worship at Bellary. 1/35

Particulars	Measurement Length	Breadth	Depth	No.	Sup. Contents	Cubical Contents
Wood Work						
Principal Rafters	25-0	8"	10"	12		166-1152
Braces	11-0	7"	5"	12		32-144
Purlins	103-0	7"	3"	10		150-360
Common Rafters	22-6	5"	3"	134		368-864
Wall plates	103-0	12"	8"	2		137-576
Rafters to Ventilators	7-9	4"	3"	134		86-576
Purlins do	103-0	7"	3"	2		30-72
do do	103-0	2"	4"	2		11-768
& Purpose	103-0	2"	1"	114		103-136
Total Wood Work Sft						1145-1192
Iron Work						lbs
Tie Rod	44-0	2" Diamt		6		2764
King Post	15-5	2"	3"	6		974
Straps for Braces	1-0	3"	3/4"	24		288
Angle Iron for Principal Rafters	3-6	3"	3/4"	12		313
Washer Bolts Nuts &c	"	"	"	"		60
Shoe for Rafters	"	"	"	12		300
do. for Braces	"	"	"	12		180
Total Iron Work						4879 lbs
Bugat Screening	103	47	"	"		4841
do do Ventilators	103	16	"	"		1648
Total Roofing Sft						6489
Half Column 2" Diamt at Bottom and 1½ at Top	24	13/4	19			798
Large Studs for do Heads let into Wall	"	"	"	12		

Executive Range Office
Bellary 4th November 1865

Robert Brownlow
Lieut
Asst Engineer SWD

Estimate
Contractor Thomas Stamford
Planning the required
Estimate and specification
Roof for building
Bellary Roof
Bellary Roof
Bellary Roof

Abstract

151

No.			Rate	Per	Amount	Total
1145=1192	Cft of Wood Work	4	" "	Cft	4582 12 2	
4859	Ths of Iron Work	" 4	"	Ths	1214 12 "	
6489	Sqr ft Bengal Flooring	30	" "	Sqr ft	1946 11 2	
798	Cft Stone in Chimneys	" 2	"	Cft	99 12 "	
12	Slabs for Pillars	2	" "	Each	24 " "	
					7864 15 4	
	Sundries				782 0 8	8650 0 0
	Deduct for Roof Already Estimated for				1030 8 4	
	Sundries				463 7 8	
						5074 " "
	Amount Asked for					£3555 0 0

Executive Range Office
February 1st. September 1853

Lieut
Asst. Engineer at Port

Major R.E.
Superintending Engineer 3d Divn

and placed against the walls as shown in the accompanying Sketch

Adverting to the last para of Capt. Mobiby's letter His Excellency the Governor in Council considers that the work is not of sufficient magnitude to give full employment to Mr. Bagley in the Bellary workshops —

W.S.

To The Secy to Govt 3 Dis — with Sketch
Controller of Pro duct
Quartermaster Genl —
Military Dept —

Forwarded

Published Schedule for the Sale of Canal Lands for a Place of Worship in Bellary

Bellary 17th

No 158 } Supdg Engineers Office
14th November 1865

From

Major A. L. Moberly. R.E.
Supdg: Engineer 3 Divn

To

The Secretary to Government
P. W. D.

Sir,

With reference to your Memo No 1610 of the 30th ultimo, I have the honor to submit an Estimate of the cost of constructing a Roof for a School Room and place of Worship at Bellary agreeably to the design thereunto forwarded, together with a Comparative Statement shewing the cost of the laminated timber Roof for which an Estimate was submitted with my letter No 620 of the 5th July 1865. The cost of the Roof according to the present design is Rs 2000 cheaper than and may be done nearly on the principles of the laminated truss.

2. Annexed is a Return of particulars & printing that the original Estimates for this building was Rs 1220: with my letter No 3 of 9th January 1865 I submitted a Comparative Statement for the two School Rooms and Places of Worship, shewing that the prepared cost of each would be Rs 41744, the revised Estimate for each being Rs 15394.

Rs Protestants 1 each
Roman Catholic 1

3. If the laminated timber roof is adopted the cost of each of these buildings will be Rs 20900, whereas if the Truss Roof hereunto submitted is preferred the cost will be Rs 18950, or the latter case the total Amount requisite for the Structures of these Buildings is Rs 37900 or Rs 15460 for each of the two.

Vide Comparative Statement.

I have &c

A. L. Moberly Major R.E.
Supdg: Engineer 3 Divn

Public Works Dept

171

No

Proceedings of the Madras Government

Minister date the August 1865

Read the following

From the Supg Engineer 3d Dn

Submits an Estimate for
the Fryer Roof with Bridge Verte-
later with reference to P.C. No 1824
of the 19th April last and observes that
Mr Bagley may be employed on the
Work.

(Here enter 5th July 1865
No 862)

In November 1859 the Government
approved of an Estimate amounting
to ℔ 10,200 for the construction
of a building in connection
with the European Barracks
at Bellary to be used as a
School room and a Protestant
place of worship, but under
the orders marginally noted
the commencement of the
work was deferred until
January 1864, when authority
was granted for its execution
from the additional sum of
four Laks of rupees allotted
by the Government of India
for Military works —

In consequence, however,
of a representation from the

+ Re Mily Dept
No 4057 d/15th Nov 59.

G.O. P.W.D. No 1913
d/13th Sept 1860

Work

Δ In Rev. P.W.D. No 75
d/9th January 1864.

the work deemed to be too far
advanced to be now stopped
I suppose the work must
on — I should prefer a
simple Fryer Roof as
known — but as workmen are
to be scarce — I do not press
a Fryer but I must say
the calculations have been carefully
& the preparation of the original
Plans & Estimates WD

Recd 3 Sept 1865

Dy No 2042 of 1865

Sec to Govt Mily Dept

Recd 4 Sept 1865

Dy No 2042 of 1865

Submitted that the Estimate
for the above Building
be sanctioned

Sd/ [illegible]
Secy

Sanctioned

Sd/ [illegible]
Secy

Recd 5 Sept 1865

Dy No 2042 of 1865

Sec to Govt P.W.D.

Rs. 35,738 - 28½ Pagodas/65

Supt Engineer that the Estimate prepared in 1859 was insuf-=ficient and that the roof, as originally designed, was not suitable to a District where skilled Artificers could not be easily obtained Sanction was given to a revised plan and Estimate of £1,220-

In February last the Supt Engineer reported that the cost of the work would amount to £15,394 owing to the necessity of substituting Teak for Nugger wood, and to the great rise in the price of Labor and materials due to the Scarcity and dearness of provisions. Subsequently the Quarter Master General represented that com-=plaints had been made by the Revd Mr Macfarlane and the Officer Comg the 21st Fusiliers regarding the space that would be taken up by the centre pillars of the building, and His Excellency the Com-in-Chief recommended that the subject of providing another descrip-=tion of roof and dispensing with the pillars should be considered. A Plan of a Caminated Roofed roof cal-

G. O. Milit Dept No 854 of 30th January 1864-

vide Gen: Order No 1024 of 19th April 1865-

I do not like the Roof now submitted - it is very costly involving a great deal of unnecessary labour The span of the roof is 32 feet a very much simpler truss might be made available for the Iron instead of Timber. These curved roofs are framework roofs are very apt to spring in various directions and require an amount of skill & good workmanship which can hardly be procured at Bellary but I must observe that the Govt ought not to be called upon to provide details of construction Plan and section here - The Plan is apparently submitted by a Mr Grey - made to this without recommendation by the Superin-=tendent Engr and the Govt is asked for the Govt to expend 20000 for a School room and details submitted by Macfarlane

accordingly furnished to the Supt Engineer with instructions to report whether it could be made up at Bellary without difficulty, and, if so, to submit a re-=vised Estimate of the cost of substituting it for that provided in the Estimate of £1,220 above mentioned -

The letter above recorded is the Supt Engineers reply to this requisition - Supt Mobray in which requisition is made submits a revised Estimate for a trussed roof according to the proposed plan with the ad-=dition of a ridge ventilator This Estimate amounts to £20,900 being £ 10,700 or upwards of 105% in excess of the sum originally Sanctioned - This Excess is owing partly to an alteration in the design of the roof and to the substitution of Teak for Nugger wood, and partly to a rise in the price of Labor and materials -

As the work is now in progress the Governor in Council has no alternative but to Sanction the revised Estimate In doing so however His Excellency observes that this

is another instance in which little or no care appears to have been exercised in the preparation of Estimates for Public Works in Bellary— Much of the proposed Expenditure on the buildings under notice would probably have been avoided if the plan and Estimates had ~~been~~ received that careful consideration which they demanded, and Capt Moberly will now be informed that it is his duty to adopt such measures as will insure the preparation of correct and reliable Estimates and prevent a recurrence of such unsatisfactory proceedings as Government have so often of late been compelled to notice—

The additional sum of Rs 9,680 required for the completion of the work this year will be allotted from the Reserve under "Military"—

The Govr are of opinion that the pillars may be greatly reduced in diameter

Just a sketch showing the roof—

It would seem that this schoolhouse is to be 96 feet long by 30 feet wide— I cannot think that such a building can be wanted and the whole scheme should be revised now it is not that in accordance with the usual careful manner conducting the work— The building has been commenced without a proper estimate

The proposed construction seems clearly beyond what, under existing arrangements, must be the retirement of Bellary. Sanction appears hopeless to be sufficient

MDM

Public Works Departt
No 3598

Proceedings of the Madras Government
under date the 28th Nov/65.

Read the following

From the Supg Engr 3rd Dn Submits an estimate for a Thatch proof with ridge ventilator with reference to G.O. No 1024 of the 4th April last and observes that Mr Bagley may be employ- ed on the work	Fy C. 5th July 1865. No 62
Do Do Do Submits an Estimate of the cost of constructing a proof for a Schoolroom and place of worship at Bellary agreeably to the design forwarded	Fy C. 14th Novr 1865 - 158.

In November 1859 the Government approved of an Estimate amounting to ₹ 10,200 for the construction of a building in connection with the European Barracks at Bellary to be used as a School room and a Protestant place of Worship, but under the orders marginally noted the commencement of the work was defered until January 1864, when authority was granted for its execution from the additional sum of four Lakhs of rupees allotted by the Government of India for Military Works

In consequence however of a representation from the Superintending Engineer that the

× Pro Mily Dept
No 4057 dy 15th Nov/59

* G.O. P.W.D No 913
dy 13th Sept/60 -

Δ In Pro P.W.D No 75
dy 9th January/66

estimate prepared in 1859 was insufficient and that the roof, as originally designed, was not suitable to a District where skilled artificers could not be easily obtained. Sanction was given to a revised plan and estimate of ℔ 11220—

In January last the Supt Engineer reported that the cost of the work would amount to ℔ 15,394 owing to the necessity of substituting Teak for Nuggur wood, and to the great rise in the price of labor and materials due to the scarcity and dearness of provisions. Subsequently the Quarter Master General represented that complaints had been made by the Revd Mr. Macfarlane and the Officer Commanding the 21st Fusiliers regarding the space that would be taken up by the centre pillars of the building, and His Excellency the Com-in-Chief recommended that the subject of providing another description of roof and dispensing with the pillars should be considered. A plan of a laminated trussed roof was accordingly furnished to the

S.O. M.D. N-354 8/30 January/64

vide Rec. P.W.D. N-1024 of 19 April/65

Superintending Engineer with instructions to report whether it could be made up at Bellary without difficulty and, if so, to submit a revised estimate of the cost of substituting it for that provided in the estimate of ℔ 11,220 above mentioned—

This requisition was complied with in the Superintending Engineers letter of the 5th July 1865, but as it appeared that as trussed roof according to the proposed plan would be very expensive and entail considerable labour in its construction, a plan of a much simpler truss was forwarded to Major Moberly for adoption

With the second letter above recorded Major Moberly submits a revised estimate in which provision is made for the last proposed roof— This estimate amounts to ℔ 18,950 being ℔ 7750 or upwards of 85 per cent in excess of the sum originally sanctioned— This excess is owing partly to an alteration in the design of the roof and to the substitution of Teak for Nuggur wood, and partly to a rise in the price of labor and materials

— As the work is now in

progress the Governor in Council has no alternative but to sanction the revised estimate In doing so however His Excellency observes that this is another instance in which little or no care appears to have been evinced in the preparation of estimates for Public Works in Bellary — Much of the proposed Expenditure on the buildings under notice would probably have been avoided if the plan and estimate had received that consideration which they demanded, and Major Moberly will now be informed that it is his duty to adopt such measures as will ensure the preparation of correct and reliable estimates and prevent a recurrence of such unsatisfactory proceedings as Government have so often of late been compelled to notice

The additional sum of Rs 7730 required for the completion of the work this year will be allotted from the Reserve under "Military"

Expended up to 30th April Rs 9952
Sum allotted in G.O. No 1868 of 14th July 1865 1268
Total Rs 11220
Amount of last revised estimate — 18.950
Remaining to be provided — 37.730

vide G.O. No 442 of 14th Febry 1865

The Roman Catholic School and place of worship at Bellary should be completed on the revised estimate of Rs 15394 submitted with the Supt Engineers letter of the 19th January 1865 — The causes which have operated to produce the excess of Rs 4174 over the original estimate (Rs 11220) are similar to those detailed in para 3 of these Proceedings It appears that the outlay on the work up to the 30th April last was Rs 9283 - Government now resolve to place a sum of Rs 2218 the balance standing to the credit of the Reserve under Military at the disposal of the Superintending Engineer who will report what further amount is likely to be required during the current Official Year —

To the Supt Engr 3rd Division Nos 1 Comparative Statement / Estimate & Voucher
" " Controller of Pb Accts /
" " Accountant General /
" " Military Dept —

Dated 29th November

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2/11/58-1

Encl 8

To Lt 1860 Depot
Plan of Govt Ferry house
No 3090
Plan of the Allegheny
Dep 28 Nov 60

School rooms & places of
worship under construction at
Bellary - Copying orders on the re-
vised estimates submitted by the
Supt & Engr 3rd Division for-

Nos 661 & 664