

(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.
B.P. No.

571

W Press
Mis.

Dated

3-3

18 26

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
3rd March 1876.*

No. 18. Read the following letter from Captain ROSS THOMPSON, R.E., District Engineer, Presidency, to Major-General G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Fort St. George, 25th February 1876, No. 5,097:—

With reference to your memorandum, No. 570, dated 25th September 1875,

1 Estimate.

1 Specification Report.

I have the honor to submit for sanction

an estimate with specification report,

amounting to Rupees 3,745, for bath-

rooms, &c., in the quarters of the Principal, Civil Engineering College.

2. The project has been approved by the Principal of the College. The work all completed.

3. A sum of Rupees 3,000 was applied for in the demand statement submitted to Government on the 1st December 1875.

SPECIFICATION to accompany the estimate for providing two bath-rooms, opening a new road, and improving the quarters of the Principal of the Civil Engineering College on the occasion of the visit of His Royal Highness the Prince of Wales.

The bath-rooms are 12 feet x 14 feet in both upper and lower stories. The foundations and walls are of brick in chunam. The roof is terraced and plastered with three coats of chunam. The doors and windows are pannelled venetian painted with three coats of Carson's green. The floors are plastered with cement and covered with rattan matting as per estimate.

2. A teakwood ladder 24 feet x 2 feet painted with three coats of lead color paint has been put up to reach the upper bath-room.

3. By the erection of a brick in chunam wall a vacant space under the staircase has been converted into a store-room and provided with teakwood shelves, wooden roof, asphalt flooring, a pannelled venetian door painted with three coats of Carson's white, and a venetian iron-barred window painted with three coats of Carson's green.

4. Teakwood verandahs have been erected on the second storey to the east and south with posts, bressummers, &c., complete and roofed with planking clinker laid and painted with three coats of Carson's green inside and three coats of lead color outside. The parapet wall has been removed and balustrades provided instead.

5. The punkahs throughout the house have been thoroughly repaired. New blinds have been provided to the east verandah on the first storey. The blinds and matting throughout the house have been repaired and, where necessary, new matting supplied. The main staircase has been altered to give more room in the hall, and the sweeper's staircase has been extended. The two west bath-rooms have been provided with pannelled venetian doors in lieu of windows, and painted three coats of green outside and white inside. The front, portico and rear verandah have been enclosed with trellis work. The whole of the doors and windows have been washed and repaired where necessary with iron fittings, &c., complete.

6. A road to the beach has been opened from the east of the house; this road is of laterite, stone jelly and gravel five inches thick, the side slopes are turfed, and a culvert in masonry has been constructed near the wall through which the wall passes; this opening has been finished off with two gate pillars similar to those at the north entrance gate.

FORT ST. GEORGE,
16th February 1876.

(Signed) W. C. RADDELEY, Lieut. R.E.,
Assistant Engineer, South Range.

Proceedings of the Madras Government, Public Works Department,
3rd March 1876.

No. 19.

ORDER THEREON, 3rd March 1876, No. 571.

CIVIL WORKS, No. 5.

SANCTIONED, and ordered to be debited
to the Imperial Suspense Account.

(True Extract.)

Major-General, R.E.,
Secretary to Government.

17-2-76

Specification to accompany the Es-
timate for providing two Back Rooms
opening on new road and improving the
Quarters of the Principal of the Civil
Engineering College on the occasion of
the visit of His Royal Highness the
Prince of Wales.

1. The Back rooms are 12' x 14' in both
upper & lower Stories. The foundations
and walls are of brick in chumam. The
roof is lime and sand plastered with 3
coats of chumam.

The Doors & windows are painted
Venetian painted with 3 coats of Carom
green.

The floors are plastered with cement
and covered with Rattan matting, as
per Estimate.

2. A Teakwood ladder 24' x 2'
painted with 3 coats of lead color paint
has been put up to reach the upper bath
room.

3. By the erection of a brick in chumam
wall

wall a vacant space under the stair
case has been converted into a store room
and provided with teakwood shelves,
wooden roof, asphalt flooring a pan-
nelled Venetian door painted with 3
coats of Carson's white and a Venetian
iron barred window painted with 3
coats of Carson's green.

4. Teakwood Verandahs have been
erected on the 2^d story to the east and
south with posts greenumbers & a
complete and roofed with plank
planks laid and painted with 3 coats
of Carson's green inside and 3 coats of
lead color outside. The parapet
wall has been removed and balustrades
provided instead.

5. The Pankahs throughout the house
have been thoroughly repaired. New
blinds have been provided to the east
Verandah on the 1st story. The blinds
and matting throughout the house
have been repaired & where necessary
new matting supplied. The main
stair case has been altered to give

more room in the Hall & the Superior
stair case has been extended. The 2
west Back Rooms have been provided
with Panelled Venetian floors in
lieu of windows and painted 3 coats
of green outside & white inside. The
front porch & rear Verandah have
been enclosed with Srellis work.
The whole of the Doors & windows
have been washed and repaired
where necessary with iron fittings
& complete.

6. A Road to the beach has
been opened from the east of the
house, this road is of laterite,
stone jelly and gravel 5" thick,
the Side Slopes are turfed and
a culvert in masonry has been
constructed near the wall through
which the wall passes; this opening
has been finished off with 2
gate pillars similar to those
at the north entrance gate.

For George
16 February
1876

H. C. Baddley Esq. R. Esq.
Assistant Engr. & S. Range.
24 FEB 76

No 569 A.

Memorandum

The Chief Engineer is instructed to authorize the Principal of the Civil Engineering College to carry out his suggestion contained in a letter to the address of the Military Secretary to the Governor for improving the Bath room accommodation of his official Residence with a view of its occupation by Sir Crispianus of the Earl of A. P. & the Prince of Wales.

He is requested to be so good as to plan and estimate for, and execute the necessary work in communication with the Resident District Engineer; in whose account it will be debited against Imperial Outlay on account of the Prince's visit.

Signed G. W. Walker Major. Genl.
Chief Engineer P.W.C.

Colacaminch
25th September
1895

M. 1478
1/6

No 3 March 16 B. 18

No 570

Copy of the above forwarded
to the Dist. Aug. 2. Presidency

Wm. G. Walker Major Genl. 18.

Chief Aug. 18.

botanica 2
25 Sept. 1875 3

Pro 5 March 16 B. 18

No 1.

Constructing Bathroom lower story Principals

Quarter Civil Eng^g College Chapin

Wid District Engineer p. 2798 27 27 September 1908

Quantity		Rate	Amount
8-20 27	Cy ² Filling in level land for foundation	1 " 8 12 2	
62-12 27	Cy ² Brick work in Chimney with thick brick 5 "	312 5 "	
10	Plt Cornice with Asotapa slabs to act as gutter to main verandah	1 12 07 8 "	
67	Cy ² Excavation & filling in & levelling Earth	7 11 "	
1150	Plt Plastering walls 2 coats	2 6 27 5 "	
144	" Flooring with brick Jelly 3 in thick levelling course & plastering with portland Cement	15 " 21 9 7	
27	" Flooring with 8 in sq bricks to platf where necessary	7 26 15 "	
154	" Laying Jelly 4 in thick over the planks and plastering with portland Cement	15 " 23 1 7	
15-9-0	Cy ² Teak wood wrought & put up	2 14 45 4 6	
15-6-1/4	Cy ² Lining teak wood planks 3/4 in thick with battens over the joints	3 24 2 37 1 1	
48	" Partition windows with frames	1 1 2 57 8 "	
59 1/4	" Panelled Ventilation door	1 " 59 4 "	
	Removing a window & inserting a door	2 " "	
490	Plt Carsons white paint 3 coats 15 doors & windows	4 10 22 10 7	
	Carried over		688 9 6

Total Papers— 679 " "

Wm. Knapp Capt. R.R.
District Engineer

W. H. Jones, Sec. of the
Principal of the College

Description.

Longitudinal wall 2 44-10 4. 1-6 178

Cross wall _____ 1 2-9 4.16 58½

Cubie 8-20%

Longitudinal wall 1st footings — 2' 16-84 3-9 = 10 91-84

Crosswall

Longitudinal wall L^o footing — 2 14 5' 3-3 1-1 101-9'

Cross wall _____ P. _____ 1-10-63-3-1-1 36-11 $\frac{5}{8}$

Longitudinal wall 2 footings 2 16.2' 2.9' 2.0' 15.6' 3/4'

Cross wall _____ 11' 2-9 2' 60-6

Longitudinal wall _____ 4" footings _____ 2 13' 11" 2-3 2-2 136-18

Cross wall 5' 11-6 2-3 2-2 56-0

Balance 2 13 10 2 2 1 115 75

$\frac{1}{\sqrt{2}}$

[illegible]

12 9 1 / 10 6/8 - 7

1:12 - 1:9 14. 294

Plaster wall to Bath room 1 1/2 5 4 1 11

1. 12. 5. 6. 2. 6

Product

door way _____ 1 7 3 1-9 36-9

windon way 2641-284

120 - 9

168

1686-67

Cubing 62-12%

Cornice with Cuddapa slabs	1	10	9	1	3	88 ¹ / ₂	10
Excavating foundation							
Longitudinal wall	2	14	9	4	8	944	
Cross wall	1	10	4	8		320	
						1264	

Cyad. 46-²²/₂₇

" 20 ⁵/₂₇

Cubing 67

Supp. 1150

Plastering the walls							
Flooring with brick Selly 3 inch. and							
levelling Course & plastering with portland							
Cement to the Bath room	1	12	12			144	

Supp. 144

Flooring with 6 inch square bricks							
in Chimney to veranda outside	1	7	9	3	6	27 ³ / ₈	

Supp. 27³/₈

Laying Selly 1/2 inch thick over the							
plaster and plastering with portland							
Cement	1	12	5	12	5	154	

Supp. 154

Teakwood							
Joist	9	16	6	3		1590	

Cubing 15-9-0

Lining teakwood planks 3/4 inch thick							
with battens over the joists	1	12	6	12	6	156 ¹ / ₂	

Supp. 156¹/₂

Veranda window with frame	2	6	4			48	
---------------------------	---	---	---	--	--	----	--

Supp. 48

Panell Venetian door	1	7	3			21	
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Supp. 38¹/₂

"	1	8	6	4	6	38 ¹ / ₂	
---	---	---	---	---	---	--------------------------------	--

Supp. 59¹/₂

white paint 3 Coats							
Green paint 3 Coats							

Supp. 490

Supp. 175

No. 2

Constructing Bath room Upper story, Principals
Quarters Civil Engineering College Chennai.
Vide District Engineer No. 2798/927 Hyderabad
Abstract

24 ³ / ₂₇	Cyad. Bath work in Churn with thick	bricks	5	8	133	15	9
34 ² / ₈	Cyad. Cornice work in Churn	"	3	6	7	10	1
169	Laying Selly 1/2 inch thick, over the						
	plaster with 2 courses of flat tiles						
	in Cement and plastering over						
	with portland Cement & the sup.	28	"	47	5	1	
79	Cyad. Teak wood work & put up	2	16	52	10	"	
160 ¹ / ₂	Lining teak wood plank over						
	the joists 3/4 inch thick, with plaster	24	2	38	11	2	
57	Panell. Venetian door with frame	1	"	57	"	"	
48	Venetian windows with frame	1	1	2	57	8	"
1100	Plastering 2 to 4 inch Churn wall	2	6	26	2	"	
	Removing a window & inserting a door	2	"	"	"	"	
490	Carsons white paint 3 Coats to						
	doors & windows	3	6	10	22	10	7
175	" Green paint to	4	12	8	5	"	
56	3/4 zinc trunk with hooks	"	6	6	22	12	"
4	Lead pipes to trunk	2	8	10	"	"	

Carried Over 168298

48298

18⁵⁴/₈ Sft Landings to Dr with iron
planting 30 12 5 11 8

72 off Converte work in shimen to
up rights " 2 3 10 2

$\frac{1}{4}$ G. 3 Brick work chimney to roof 5 " " 6 4

" - 8³/₄ Cfg Granite stone dressed to 1772
Ladder --- } 2 " " 174

2 W. Masonry Steps with Casing
slabs 400 3 1.8 " 3 "

530	Sp. C. white paint 3 Cts to 1000	1/4 10 "	25 7
	Fixed Emuls		31 8

Total Expenses — 685

3
 5th Feb 1880
 W. B. Baddley
 Assistant Engineer. S. S.


 District Engineer.

Wm. W. H. K.

P. 2

Estimate of detail quantities to Bath
from Upper story — P. C. E. Collyer Chepouté
Vide District Engineer's No 7982727 September 1876

Description	No.	Quantity	Value	Price	Contents & at al
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Paul H. Work in Character

Superstructure	2	13-9	1-4	14	513-4
do	1	12-8	1-4	14	231-7 $\frac{1}{2}$
Wing wall to Bath room	1	14-3	4	5	1-11 $\frac{3}{4}$
do	1	12-9	6	5	2-7 $\frac{1}{2}$
					<u>749-8$\frac{1}{2}$</u>

Quadrat

door way . 1 7 3 . 1-4 28
window . 2 6 . 4 1-4 64
92
657-87
Cubic yds 24-9 $\frac{1}{4}$
ans 1 11-6 1 9 34 $\frac{7}{8}$
Cub yds 34 $\frac{7}{8}$

Consider work in Chinese

Laying Selly 1/2 inch Over the plank with				
2 Courses of flat tiles in Cement and plastering				
Over with portland Cement to the roof	7	12-2	12-10	169
				<u>Subt 169</u>

Seal River

Taroto	4	14	6	8	15.9-0
wall pilate	2	13	6	8	3-8-2
					<u>6 ft 10</u>

Trimmy teakwood plank 3/4 inch thick with battens over the joints	1	12-8	12-8	160	5 1/2
				last	160

				Sept	1880	Sept
Panicle of V. coccinea with frame	1	7	3	21		
	1	8	4-6	36		

View from window with frame.

Plastering walls

Removing old window and inserting

a new door

White paint 3 coats

Green paint 3 coats

Green paint 3 coats

2 28 3/4

Sept 1100

Sept 490

Sept 175

Sept 56

Sept 56

Lead on paper

4 2-5 3

Sealwood new ladders to the new

bath room with side plank steps

to complete

1 12-15 2

1 11-11 2

24 1/4

Sept 24 1/4

Landing with 1 inch plank

1 4-2 2-3

1 4-5 2-1

9-4-6

9-3-5 1/2

18-7-11 1/2

Sept 18 5/8

Concrete work in Chumam

1 6 4 3

72

Cub ft 72

Brick work in Chumam

bed

1 6 3-10 1

1 3-6 2-8 6

20

10 1/2

33 1/2

Cub ft 14 1/2

Gravel stone

1 3-6 10 3

4-8-9

Cub ft 4-8-9

New wing steps complete with sand paper

slab stone 4

white paint 3 coats

2 3 1 8

18 2 5

Sept 550

Sept 1100

Sept 175

Sept 56

Sept 56

W. C. Baddeley Ltd. St. E.

Assistant Engineer S. J. Jones

Principal College

Principal College

Principal College

Principal College

No 3.

Constructing a Store room in the store room

Principal's quarter Girl Engineering College, Chapat

Vile District Engineer's No 2798 D/27 September 75

Shastri

5 Cft Concrete work in Chumam

" 2 3 " 11 3

36 1/2 12 3-2 1/2 Brick work in Chumam with thin

bricks Cft

" 2 6 5 11 "

100 Cft Plastering 2 coats to walls

2 6 " 2 6 "

50 " Laying asphalt 1/2 thick to

floaring

" 11 " 5 8 "

21 " Pannelled Venetian door with

frame

1 " 21 "

15 " Venetian window with iron

bars & frames

1 10 8 25 "

15 1 2/8 Cft Oak wood wrought & put up for

shelves

2 14 " 43 6 9

39 1/8 Cft Covering store room with teak

wood pannelings

" 4 4 10 13 1

Charge for putting in 33 teak wood

brackets and a central in the

" 4 " 8 4 "

wall including masonry

Carried Over

122 12 1

Cubical 5
 3 3/4
 32-8
 36-5
 Cubical 36-5
 100
 50
 50
 21
 21
 15
 15
 2-11-0
 1-3-9 3/4
 3-5-3
 4-3-7 1/2
 1-4-7 1/2
 10-6
 5-2 1/2
 5-3
 15-1-2 3/4
 Cubical 15-1-2 3/4
 15-2 1/2
 21 3/4
 39 1/2
 39 15/16

Charge for putting in 33 brackets and
 bolting them in the wall including brackets
 Wood Oil 3 Coats to the roof and stuff plants
 white paint 3 Coats to doors & windows
 Green paint 3 Coats " "
 Cost for Brackets wall to assist the new
 windows
 Door lock with leaf handle 5/6 each

360

75

75

12 1

No 4.

Constructing Wooden Verandah to South Side 3 Story
 Principal quarter Civil Engineering College Shipahat
 Vile District Engineer's Office 279 8.7 1/2 September 1878
 Abstract.

Quantity

Rate

Amount

29-5-67	Qty Teak wood wrought & put up	2 1/4 "	84 11 3
352 1/2	Sft Lining teak wood planks 3/4 in thick for the roof with over lapping	29 8 "	103 15 10
	Cost for fixing in 30 rafters and brass nails with iron screw in the wall	" 4 "	7 8 "
46	Rft Constructing Balustrades	1 1 "	48 14 "
	Removing old parapet wall		2 8 "
6	No Iron hoops to posts and iron pins with screws & nuts to fasten beams	" 8 "	3 "
725	Sft Green paint 3 Coats inside	4 12 "	34 7 "
350	White " 3 Coats outside	4 10 "	16 3 "
	Iron screws 400		1 1/2 12 "

Total Rupees 316 "

Comd
 5th February 1878

W. Baddley Lt. R.E.
 Assistant Engineer S. Range

W. Baddley Lt. Col. R.E.
 Principal College

Comd
 5th February 1878

W. Baddley Lt. R.E.
 Assistant Engineer S. Range

Comd

W. Baddley Lt. Col. R.E.
 Principal College

W. Baddley Lt. R.E.
 Assistant Engineer S. Range

N. 4.

Estimate of detail quantities to wooden Verandah
South Side 3rd story to P. Quater C. E. Chepuri
Vile District Engineer No. 2798-727 September 7.

Description	No.	Length	Breadth	Depth	Contents	Total
-------------	-----	--------	---------	-------	----------	-------

Teakwood

posts	6	6-3	10	4	4-2-0	
Caps	6	10 1/2	6	3	7-10 1/2	

2	9	18			
2	3-6	7			
2	8-1/2	16-7			
1	8-3	8-0			

Breaststunners with lapping

1	5 1/2	5 1/2	3	5-11-10 1/2	
2	7-9	15 1/2			
2	8-1	16-2			
2	8-7	17-2			
2	9-2	18-4			
2	10-1	20-2			
2	11-1	22-2			
2	11-10	23-8			
2	12	24			
2	10 1/2	23-10			
2	12-1	24			
2	11-7	23-6			
2	11-10	23-8			
2	11-10	23-8			
2	12	24			
2	12	24			

rafters

1	323-10	6	2	17-11-10	
---	--------	---	---	----------	--

ends planks

1	51	5	2	7-11 1/2	
---	----	---	---	----------	--

Cut in 29-5-6 1/2

Joining Teakwood planks 3/4 inch thick for the

roof of the Verandah with lapping

2	8-5 1/2	6-1/2	105-5-7 1/2
2	11-11	2-3	55-7-6
2	11-10 1/2	5-3	124-5-3
1	12-1	5-8	65-5-8

Sum 352 1/2

Cost for joining 30 rafters and breaststunners & with
brick in Churnam in the wall

Constructing Balustrade with base and
 Capitals Complete
 Removing Old parapet wall
 Iron hoops and pins with screw nuts for pins
 to fasten breastings &
 Green paint 3 Coats
 white paint 3 Coats

7 46 8

Sup 46

No 6

Sup 725

Sup 350

Wm H. Lloyd
 5th February
 1876

Wm H. Baddley Lt. R.E.
 Assistant Engineer
 Southern Range

Comd. C.

No 5.

Constructing wooden Verandah East side, 3 story
 Principals quarter Civil Engineering College Chhapra
 Vire District Engineer No. 2748927 September 1875
 Westmorland

30.8.17	Cft Teak wood wrought & put up	2.14	88	3.2
423	Sft Lining teak wood planks 3/4 in thick for roof with lapping	2.9	8	124 127
10	40 Iron hoops to fasten & iron pins with screws & nuts to fasten bands	"	8	5
10	40 Iron bolts for pails	"	3	1 1/4
	Cost for fixing in a sleeper in cement	"	3	"
119 1/2	Sft Constructing Balustrades	1	1	126 136
	Removing old parapet wall		5	"
272	Sft Repairing and setting up the old blinds & painting 1 coat green	"	1	17
825	Sft Green paint 3 Coats interior	4	12	39 3
480	" " White paint 8 Coats exterior	4	10	22 32
	Sundries		20	127

Total Papers 454

Wm H. Lloyd
 5th February 1876

Comd. C.

Wm H. Baddley Lt. R.E.
 Assistant Engineer
 Southern Range
 District Engineer

No 5

Estimate of detail quantities to Wooden Verandah
East side 3 Story to P quarter C.E.C. Hospital
Viele District Engineer's Est 2798 8 2727 Sept 1870

Description	No	Length	Breadth	Depth	Contents	Total
-------------	----	--------	---------	-------	----------	-------

Teakwood

posts	8	5-9	4	4	5-1-4	
"	2	7-3	4	4	1-7-4	
Capo	10	10 1/2	3	4	4-8-9	
sleepers	1	9	6	3	1-1-6	
Breadth	1	10-10 1/2	5 1/2	3	8-11-8 1/2	
Plank	1	48-6	4	3	4-6-6	
rafters	27	9-8	3	2	30-10-6	
verandah plank	1	47	5	7/8	1-2-8 1/2	
					<u>Sup</u>	<u>30-8-1 1/2</u>

Leaving Teakwood plank 3/4 inch thick for the roof of

the Verandah with lapping	1	47	9			423
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Sup 423

Iron hoops 3/4 inch dia with screw ends	10					<u>10</u>
---	----	--	--	--	--	-----------

Iron bolts 7/8 inch for pinning	10					<u>10</u>
---------------------------------	----	--	--	--	--	-----------

Cost for fixing sleepers in cement

Constructing Balustrade with 2 Coats Churn						
Capital in base Complete in line of Parapet	1	10-6	2-0			<u>119 1/2</u>

Removing Old Parapet wall

Repairing and felling up the old blinds to new Verandah with a Coat of Green paint						<u>272</u>
--	--	--	--	--	--	------------

Green paint 3 Coats						<u>826</u>
---------------------	--	--	--	--	--	------------

white paint 3 Coats						<u>180</u>
---------------------	--	--	--	--	--	------------

Wm St George
5th Nov 1870

Wm Baddeley Esq R.E.
Assistant Engineer Rangoon

Comd C.V.

Improvements, Matting, blinds, paper, putty, &c. &c. &c.
 done in the rooms of the Principal quarters C. L. C. Chapin
 Nile District Engineer 1127980727 September 17th

634	Yft	Rattan floor mats 2' class for 12 ft	3 8 "	52 13 14
321	Yft	Double Rattan blinds complete	1 8 "	80 3 "
17 1/2	Yft	Leam Zinc gutter with iron clamps	8 "	8 10 "
9	"	Zinc tanks 3 in dia	6 "	3 6 "
67	"	Paper putty & frame varnished	10 "	82 13 "
32 1/2	"	" " water color & quid red		
		paper new brown holland covered in		
		with red cloth	1 8 "	28 12 "
22	"	" " " with paper	1 8 "	28 12 "
		and brown holland finish	1 2 "	24 12 "
6	W.	Pentagon wheels with iron work		
		are found necessary	3 3 "	18 "
448	Yft	Repairing floor matting & fitting up to bath rooms	9 "	21 "
3	W.	Repairing the floor matting with new cotton tape for 3 ft	5 "	13 1/2 "
4	W.	Cover matting to door	1 1/2 "	13 1/2 "
3	Yft	Altering the main staircase with new hard frame upright & backst as found necessary including ironing	5 4 10 "	
150	Yft	Stair case matting with red tape for	1 9 16 6 6	

Carried over 35 1/2 11 8

Brought Over 35 1/2

30	ft. Parallel Venetian door without frame to drawing room	" 12 "	22 8
80	White paint 3 coats to do	" 10 "	3 11
40	Repairing flooring of the bath room with portland cement	" 10 "	4 "
102	also small bolts fastening the hoop frames of all the doors	" 4 "	25 8
58 2	ft. Teak wood trellis work to Portico	" 2 "	69 "
5	Coat for giving in	" 4 "	
	making good the Cornice	" 2 "	10 "
690	ft. Green paint 3 coats Canvas	" 12 "	32 12 8
150	ft. Trellis work to rear verandah balued & fitted up	" 2 6 "	23 7
50	Covering over the kitchen with sea	" 2 6 "	23 7
16	ft. missing drainage	" 2 "	2 "
225	ft. Green paint 3 coats	" 12 "	10 11
4	ft. Extending the landing of the verandah	" 2 "	15 "
16	ft. Landing to do with brick	" 30 12 "	4 14 10
	Repairing and repairing the ladder	" "	5 "
100	ft. Canvas paint 3 coats to do	" 10 "	4 10
74 5	ft. Parallel Venetian door with frame to connect upper boiler	" 1 "	74 4
	Repairing 2 old windows & putting up 2 doors	" 2 "	4 "

Carried over 669 2 6

Brought Over 6693 6

100	ft. ^{Common} Green paint 3 coats Canvas	" 12 "	4 12
100	White do do	" 10 "	4 10
	Washing all the doors & windows & cleaning the places	" 20 "	
	Sundries		30 6 6

Total Rupees 729

For St. George
5th February
1876

W. C. Baddeley Lt. Col. R. E.
Assistant Engineer
Southern Range

W. C. Baddeley
District Engineer
Residence

W. C. Baddeley
Principal C. E. College

Comptroller

Estimate of detail quantities to Improvements,
 Pankaj's 1000 Pankaj's quarters, Civil Eng. College, the present
 1st District Engineer's Office 27/8/27 27/8/27

Description	Length	Breadth	Depth	Contents & Total
Rattan flooring Mats 2 nd Clap	1	20	11	235
	3	4	5	21
	1	29	6	343
	5	4	1	35 $\frac{3}{4}$
				634 $\frac{3}{4}$
				Suppl. 634
<u>Double rattan blinds Complete</u>				
	7	8	3	40
	1	8	3	37
	4	8	3	123
	2	8	3	75
	1	7	6	44
				321
				Suppl. 321
Semi zinc gutter with iron Clamps 5 inch diameter				Rpt. 17 $\frac{1}{2}$
Zinc tringles 3 inch diameter Complete				Rpt. 9
Repairing Pankaj's & Varisling the frame	12			60
	9			7
				67
				Rpt. 67
Pankaj's with galvanized paper and brownish paper & over covered with red cloth	7	18	6	18 $\frac{1}{2}$
	1	16		16
				32 $\frac{1}{2}$
				Rpt. 32 $\frac{1}{2}$

Painting with newspaper & Comp. 12	12	
Painting with newspaper & Comp. 10	10	
	<u>Suppl. 22</u>	
Painting wheels with iron work & as are found necessary	<u>10 6</u>	
Repairing floor matting and fitting up the Bath room	2 11 8 7-6	172 1/2
	3 11 8 8	276
		<u>448 1/2</u>
	<u>Suppl. 148</u>	
Repairing floor matting with cotton & as are found necessary for 3 stories	<u>10 3</u>	
Care mats for doors	<u>12 4</u>	
Altering the main stair Case with new hand frame upright and rail & as are found necessary including masonry work		
Alter Case matting with red tape both end & finishing in	50 3	150
		<u>Suppl. 150</u>
Painting Venetian door without frame to drawing room	7-6 4	30
		<u>Suppl. 30</u>
White paint 3 Coats to		<u>Suppl. 80</u>
Flooring with portland Cement Clamber to the Bath room	2 10 2	40
		<u>Suppl. 40</u>
Iron bolts for fastening the hoop frame of the door & window for 3 stories		<u>102</u>
Tool Room & Mill work for Creepers	2 6 17	204
	2 6 9 17	229 1/2
	1 7 17	119
		<u>552</u>
	<u>Suppl. 552</u>	

Cost for fixing 5 Panells of Sill frame and making good the Cornice & Green paint 3 Coats to		<u>29 5</u>
Trills work to near Verandah lattice and fitted up	2 7-5 7-9	116 1/2
	1 4-7 1/2 7-9	35-9 9
		<u>150-8 9</u>
	<u>Suppl. 150</u>	
Covering over the drain with 8 in sq bricks to near Verandah	1 12 3	36
	2 8 9	12
		<u>48</u>
	<u>Suppl. 50</u>	
Masonry drain age. Complete	2 8	16
		<u>Suppl. 16</u>
Green paint 3 Coats		<u>Suppl. 225</u>
Extending the landing of the service stair Case with supports & Landing to D. with 1 inch plank		16
		<u>Suppl. 16</u>
Removing and refixing the ladder with masonry		100
		<u>Suppl. 100</u>
White paint 3 Coats		
Panell Venetian door with frame Complete to lower and upper story to Old Bath room	1 8-6 4-6	38 1/2
	1 8 4-6	36
		<u>74 1/4</u>
	<u>Suppl. 74 1/4</u>	
Removing 2 Old windows and inserting the new door		

green paint 3 coats

white paint 3 coats

Washing the doors & windows

Sept 200

Sept 100

W. H. H. H. H.
5th February 1901

C. H. H. H. H.

W. H. H. H. H.

Assistant Engineer
Southern Railway

No. 7.

Laying a new road to beach with gate posts
to Principal's quarters Civil Engineering College Chittagong
Vide District Engineer's No. 2798 of 27 September 1901
Dhaka

58½	Sq	Laying road 5 in thick with			
		Latent Jack 18 inch	4	8	24 12
58½		Levelling course with Clin Kars			
		Underneath the road way	1	9	91 6 6
95½		Reps. Road in the compound with			
		3 inches jelly & gravel where	2	26	205 6 1
		Necessary			
38½		Levelling ground for Road	4	9	10
96	Cy	Raising Road with earth	2	12	
28½	Sq	Surfing Slopes	5	8	1 6
16½	Cy	Brick work in Chumans	5		82 8
250	Sq	Plastering 2 Coats li. gate posts			
		with panelling work	3		7 8
29½	Sq	Cornice work complete	3		5 8 6
60	Cy	Concrete work in Chumans	23	8	7
120	Sq	Brick on edge in Chumans	7	13	9 6
4-20½	Cy	Brick work in Chumans	5		23 13 6
200	Sq	Plastering 2 Coats li. walls	2	6	4 12
85½		Granite covering stone in Chumans	5		26 10 7
		Occasionally forming stone	1		
355½	Cy	Remaining the old compound wall			
		Carried Over	12	2	14 5
					70 7 1

Brought Over 70471
 Sundries 34811

Total Receipts 739

Spilled 3
 5th February 1875

W. B. Baidley Esq. J.E.
 Assistant Engineer
 Southern Range

W. B. Baidley Esq. J.E.
 District Engineer

W. B. Baidley Esq. J.E.
 Principal Clerk

Comptroller

Estimate of detail quantities to New Road
 to Principal quarter C. Eng. College Chapultepec
 Vide District Engineer's No. 2798 of 27 September 1875

Description No. Length Breadth Depth Contents Catal

Laying road 5 inch thick with latrils				
Sally and gravel	1	488	12	5836
Levelling Course of Chalk and gravel				Square 58 1/2
the road way				Square 58 1/2
Repairing Road in the Cair paved with				
Sally and gravel where necessary				
		55	12	660
		20	12	240
		90	12	1080
		14	12	168
		185	18	3294
		26	11	286
		30	12	360
		38	31	1178
		24	10	240
		25	16	400
		65	25	1625
				7531
				Square 98 1/2
Levelling ground for road	326	12		3912
				Square 38 1/2
Repairing road with earth	162	16		2592
				Cubic 96
Repairing slopes	2	478	3	2868
				Square 28 1/2

Gate

Brick work in Chimney

Foundation 2 3-9 3-9 6 188 1/2

Gate post 2 10 3 4 3 4 227 1/2

Cape lot 2 3-3 3-3 1-3 26 3/8

Side of the gate post on old Camp wall 1 1-6 2 1 1/2 22 1/2

445 7/8

Cubical 16 1/2

Plastering 2 Coats with Portland waste 2 10 10 270 250

Cement work Corn plate 2 14-9 6 8 29 1/2

18 1/2

29 1/2

Road Tunnel

Cement work in Chimney

20 6 6 60

Cubical 60

Brick an edge in Chimney

20 6 120

Suppl 120

Brickwork in Chimney

Side wall 1 19 2 10 31-8

Center wall 1 16 2 7 26-8

Front wall 1 19 2 1 1/2 47-6

Wing wall 2 5 2 10 16-8

5 piers 2 1-3 2 1 1/2 6-3

178-9

Cubical 4-20 3/4

Plastering

Granite covering stone in Chimney

16-3 5-3

Suppl 200

85 5/6

Suppl 85 5/6

Excavating foundation

Removing the old Camp wall

19-9 9 2 355 1/2

Cubical 355 1/2

16 1/2

5th February 1878

W. W. Baddeley R.E.

Assistant Engineer

On 3 March 1878

Camp Coy

17-2-76

From the app. Eng.
S. O. R. M. J.

Estimates for Bath
rooms for to Principal
Quarters Civil Engng
College, Chhannu.

Papers - 3745 - 11 - 11

Rs 7. 12/100. 11/12/76
2/10

Memo: 2569 A + 870 925/9/35

Examine & send to
as signs for the
to in question of the
Principal C. E. 10/4/35

Examine for sanitation

Examine 10/30/35

Examine 2/27 10/4/35

Examine 10/30/35

Examine 10/30/35

Examine 10/30/35

No. 571
Sanctioned and
ordered to be deliv-
ered to the Imperial
Suspense Account

26.2
7/30 March 1936

18-19

Dr. 11-3-36
Dr. 11-3-36
Dr. 11-3-36

1478
GOV. OF THE STATE
PUBLIC WORKS.

The Engineer
Residency

4/3

203 Howard St. 577

Nov. 18 79

Returned by me to the
Principal Engr.

Mr. Adams

Amount of Rs 3745
received, and
transmitted to the
Technical Bureau
Account.