

(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. 3228
~~B.P. No.~~

Press
~~Mis.~~

Dated 12.11.

1875
195-

Not to be folded or roughly handled

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Dated 12.11.

1875
195.Not to be folded or roughly handled

92118

District Engineer's Office
Bangalore 12 October 1975

From

The District Engineer
Bangalore.

To

The Under Secretary to
Govt. P.W.D.

Sir,

With reference to your
Memorandum No 629 dated 7
Instant, I have the honor to
forward the accompanying list
showing the prospective outlay
on Lock Hospital, Bangalore.

I have the honor to be
Sir

Yours Most Obedt Servt
Hendrick M. V. S. - Secy P.W.D.
District Engineer

List of the buildings and other items under which expenditure past and present appertaining to the General head of "Lock Hospital Bangalore" has occurred is proposed in order that the prospective Outlay may be entered as one item in the Budget. -

Actual Amount
Expenditure of
Total Estimate

Purchase of land &c.	14046 ..	14046 ..
Native Ward	14700 ..	14700 ..
Hospital Assistant's Quarters &c.	1600 ..	1600 ..
Ward Out houses	1200 ..	1200 ..
Dead house	720 ..	720 ..
Gate and Pillars	110 ..	110 ..

Total Rupees. - 12,376 .. or 12400.

District Engineer's Office
Bangalore 12 October
1875

Herbert Vibart. Major
District Engineer

See also style for future work.

S. N. 1875 Sep. 1.
No. 6485

See also style for future work.

Margaret

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

See also style for future work.

No 77.2111 DISTRICT ENGINEER'S OFFICE.

Bangalore 9th August 1875

From

The District Engineer,

Bangalore.

To

The Chief Engineer

Public Works Department

Madras

SIR,

With reference to Your L^y C
N^o 62 dated 2nd July 1875. I have the
hon^{or} to forward herewith for sanction
the undermentioned Estimates for the
buildings proposed to be attached to
Lock Hospital at this station.

1. Estimate with specification for
constructing Hospital Assistants
Quarters with out houses — Rs 1600
- 1 — — — out houses for wards — 1200
- 1 — — — Dead house — — — 720
- 1 Estimate for constructing Gate
pillars and repairing the old gate 110
- 1 General Estimate Rs — 3630

The Estimates have been
approved of both by the Major
General commanding the Division
and His Excellency the Com-
mander in Chief.

The Plans of the
buildings have already been

N^o 6485/75

submitted through the Military
Department.

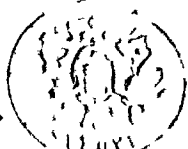
I have the honor to be
Sir

Your Most obedt Servant.

Henry Stuart Major R.E.

District Engineer

Bangalore.



Imperial Military Original work
_____ Estimate N° 69 of 1875/76 _____

Estimate No 69 of 1875/76.

District Bangalore

General Estimate showing the proposed
buildings attached to Cochin Hospital
at Bangalore.

Quantity	Description of Work	Amount	Total
1	Constructing Hospital's Ass't Quarters with out houses—	1600	
1	Constructing out houses for wards—	1200	
1	Constructing a Dead house	720	
1	Constructing gate pillars and repairing the old gate—	110	

Total Purses.—3630 ✓

Henry M. Paul.

Major B. E.
District Engineer

Letter
Dietrich Engisoffen
Bangalore
30th July 1875

5819-hwy/58.363-365 wainig
 lue 23 2693 1299 — }
 5819-hwy/58.359-360
 -9-hwy - - 62-hwy.

For 1895 Sep
to Nov
The District Engineer
Bangalore
To the Chief Engineer
P. H. Dept.

Plated 9th August 1883.

Oct 77

upwards for
 auction certain lots
 - water amounting in
 aggregate to \$630.
 Connected with this
 construction of dock
 wharves as the
 water -

G.O. No 3228 ✓ 12.11.75

10-11-75
 11-10-75

Imperial Military Original works

_____ Estimate N° 69 of 1875/76 _____

Military

Original work

Estimate N° 69 of 1875/76-

District Bangalore

General Estimate showing the proposed
buildings attached to Co's Hospital
at Bangalore

Quantity	Description of Work	Amount	Total
1	Constructing Hospital Ass ^t		
	Quarter with out houses	1600	
1	Constructing out houses for		
	wards	1200	
1	Constructing a Dead house	720	
1	Constructing gate pillars		
	and repairing the old gate	110	
	Total Purposes	3630	

Total Piques.—3630

A. C. McPherson

May 1888

District Engineer

Lett
Dietrich Engersoffen
Bamberg
30^e July 1875

1819-huay/5h.363-365 huay
 huay 2698 x 2099 — }
 huay-huay-huay 1579323456789
 1819-huay/5h.359-360
 huay-huay-huay 62 huay

For 1895 Sephr
Strom
The Anti-Slavery
Bazaar
to the Essex Fair
P. M. Weston

Rated 9²/₃ August 1885.

Oct 27
Wed: 5.

Stimulus for
caution contains

2 weeks answering in

aff. regard Oct 36.30.
~~connected with the~~

Construction of Deck
Feb. 10 1871

Notes -

G.O. No 3228 ✓ 12-11-75

Exp 10-11-75
Rec'd 12-10-75

Imperial Military original work

Detailed Estimate No 69 of 1875/76

District Bangalore

Work. Constructing out houses for Lock Hospital
at Bangalore

Particulars of work Measuring
ment Content Total
£ B S

Excavation

Front & rear walls of out houses	2 46 $\frac{1}{2}$ $\frac{1}{2}$	575
End and cross walls of do	4 13 $\frac{1}{2}$ $\frac{1}{2}$	325
Side walls of earth store in privy	8 $\frac{1}{4}$ $\frac{1}{4}$ 1	15 $\frac{5}{16}$
do for privy seats	1 13 $\frac{1}{4}$ 1	29 $\frac{1}{4}$
do under fire place	2 2 $\frac{1}{2}$ $\frac{1}{4}$ 1	11 $\frac{1}{4}$
Seven wall in front of privy	1 14 $\frac{1}{2}$ $\frac{1}{4}$ $\frac{1}{2}$	48 $\frac{5}{16}$
Step	2 4 $\frac{1}{2}$ 1 1	9
do	1 6 $\frac{1}{2}$ 1 1	6 $\frac{1}{2}$

Total of Excavation 1020 $\frac{1}{4}$

Total of Foundation shown in clay 1020 $\frac{1}{4}$

Basement

Front and rear walls	2 45 $\frac{1}{2}$ 2 1	182
End and cross walls	4 13 $\frac{1}{2}$ 2 1	108
Side walls of earth store	9 $\frac{1}{4}$ $\frac{1}{4}$ 1	11 $\frac{9}{16}$
do for privy seats	1 13 $\frac{1}{2}$ $\frac{1}{4}$ 1	23 $\frac{5}{8}$
do under fire place	2 2 $\frac{1}{2}$ $\frac{1}{4}$ 1	8 $\frac{3}{4}$
Seven wall in front of privy	1 14 $\frac{1}{2}$ $\frac{1}{4}$ 1	25 $\frac{3}{8}$

Total of Basement shown in clay 359 $\frac{5}{16}$

Superstructure

Front and rear walls of out houses	2 45 $\frac{1}{2}$ 9	1215
Carriageway		1215

[Faint handwritten notes and signatures on the left page, including "No 69 of 1875", "District Bangalore", and various names like "J. B. ..."]

Particulars of work	Measure ment				Contents	Total
	No.	L	B	D		
Brought Over					1215	
End and cross walls	4	14	1/2	9	756	✓
Lyables over do.	4	12	1/2	2	144	✓
Pygab under fire place	1	7	2 1/2	3	52 1/2	✓
Screen wall in front of privy	1	14 1/2	1/4	4 1/4	77 3/2	✓
Coping over do.	1	15 1/4	1 1/4	1/2	13 25/32	✓
Total					225 8 5/8	✓

Deduction

Doorways	2	3 1/2	1 1/2	6 1/2	68 1/2	✓
Windows	1	3 1/2	1 1/2	4 1/2	23 5/8	✓
Opening to privy	1	6	1 1/2	6 1/2	58 1/2	✓
Arch under fire place	1	8	and	2 1/2	20	✓
Arch work for do.	1	8 1/4	2 1/2	3/4	15 15/32	✓
do for doorways	2	5	1 1/2	1/4	18 3/4	✓
do for windows	1	5	1 1/2	1/2	9 3/8	✓
Stone lintel over opening to						
Privy	1	8	1 1/2	1/2	6	✓
Bullseye to privy & bath room	3	1 1/2	1 1/2	1 1/2	6 3/4	✓
Arch work do.	3	3	1 1/2	3/4	10 1/8	✓
Total Deduction					236 3/32	✓

Total cft of Superstructure bricks in clay 202 1 15/16

Bricks in chumam						
Over front & rear walls	2	45	1 1/2	1	135	✓
End & cross walls	4	17	1 1/2	1	102	✓
Side wall of earth shore		9 3/4	3/4	3	21 1/2	✓
do Privy seats	1	14	1 1/4	1/2	26 1/4	✓
Total cft of Bricks in chumam					285 3/16	✓

Archwork

Particulars of work	Measure ment				Contents	Total
	No.	L	B	D		
Archwork						
Archwork over doors	2	5	1 1/4	1 1/2	18 3/4	✓
do Windows	1	5	1 1/2	1 1/4	9 3/8	✓
do under fire place	1	8 1/4	2 1/2	3/4	15 15/32	✓
do Bulls eye to Privy and						
Bath room	3	3	1 1/2	3/4	10 1/8	✓
Total cft of archwork bricks in chumam					53 23/32	✓
Stone lintel over opening	1	8	1 1/2	1/2	1	✓

Steps

Steps to Privy	1	6	.	.	6	✓
do to Bath & cook room	2	4	.	.	8	✓
Total cft of stone steps					14	✓

Cft of fire place built with
bricks in clay & plastering mud
mixed with cow dung 7 7 7

Pointing inside

Cook room	1	58	.	10	580	✓
Privy and bath room	2	52	.	10	1040	✓
Lyables	6	14	.	2 1/4	189	✓
Side walls of earth shore		9 3/4	.	6 1/4	65 1/2	✓
do for Privy seats	1	14	.	2 1/4	59 1/2	✓
Front and ends of Pygab for						
fire place	2	12	.	3	36	✓
Soffits of arch under fire place	1	7	.	3 1/2	17 1/2	✓
Jambos & soffit of doorway	2	16 1/2	.	1 1/2	49 1/2	✓
do Windows	1	16	.	1 1/2	24	✓
do to opening to privy	1	19	.	1 1/2	28 1/2	✓
Coping over screen wall	1	14 1/2	.	3	43 1/2	✓
Total					2133 5/16	✓

Deduction

Particulars of work ^{ment} ^{Cont} ^{Estab}

Deduction

Door ways	2 3/2	6 1/2	45 1/2	✓
Windows	1 3/2	4 1/2	15 3/4	✓
Opening	1 6	6 1/2	39	✓
Arch under fire place	1 8	area	8	✓
Total Deduction			108 1/4	✓

Total Sq. of Painting inside 2025 1/2

Painting outside

Front and rear walls	2 45	9	810	
End walls	2 17	10	340	
Gable over W.	2 17	2	68	
Screen walls in front of privy	29	4 1/4	123 1/4	✓
Basement front rear	2 45 1/2	1	91	✓
W. end walls	2 17 1/2	1	35	✓
W. Screen walls	1 29	1	29	✓
Total			1496 1/4	✓

Deduction

Doors	2 3/2	6 1/2	45 1/2	✓
Windows	1 3/2	4 1/2	15 3/4	✓
Opening	1 6	6 1/2	39	✓
Total Deduction			100 1/4	✓

Total Sq. of Painting outside 1396

Total Sq. of Painting with chunam in and outside 34.21

W. White washing inside 2025

Wood work

Rafter for couple to cook

room	22 10	3 4	18-4-0	✓
W. to privy & bath room	36 10	3 4	30-0-0	✓
Collar pieces to W.	29 9	2 1/2 3	13-7-1 1/2	✓
wall plates	2 40	4 2	64-5-4	✓

Carried over 66-4-5 1/2 ✓

Particulars of work ^{ment} ^{Cont} ^{Estab}

Brought over 66-4-5 1/2

Horizontal and vertical

bar to Bulls eye 3 4 2 1/2 - 3 -

Total of jungle wood in roof and pit up 66-7-5 1/2

Nails 6 inches long 145 . . . 145 145

Roofing

Over airt house 1 4 1/2 20 . 9 30

Total Sq. of Roofing with jungle

wood free feet, nails, flat and

pan tiles & chunam borders 9.30

Up of ridge Ventilator complete 42 . . . 42 42

Asphalting

Wash house 1 14 12 . 168

Total Sq. of Flooring with asphalt 1.68

Flooring with clay & sand

Privy 1 14 12 . 168

Deduct space for cistern 1 6 3/4 3/4 . 25 5/8 ✓

Total Sq. of Flooring with one foot of clay and 6" of sand 142 1/8

Filling

Cook room 1 14 1/2 13 1/2 1 195 3/4

Cistern in Privy 1 5 1/2 2 1/2 1 13 3/4

Wash house 1 13 1/2 1 1/2 1/2 77 5/8

Total 287 3/8

Deduct side walls under fire place 2 2 1/2 1 1/4 1 8 3/4

Total of Filling in basement with earth 278 3/8

Total Sq. of Flooring with clay & cow dung 200 3/4

Jungle wood battens

Particulars of work

Measure
ment
L B S Contents Total

Jungle wood batten'd door 8x6
with frames and iron fittings
complete 2 . . . 2 2

W. Batten'd windows 8x6 1 . . . 1 1

Painting

Doors 2 4 1/2 2 7/8 527 9/16

Windows 1 4 1/3 2 5/8 46 2/9

Total Sqrs of Painting 173 1/3

Total

Detail Estimate N^o 69 of 1875/76.

District Bangalore.

Work. Constructing Gate pillars &c and repair-
ing gate for Co's Hospital at Bangalore.

Particulars of work Measure
ment L B S Contents Total

Excavation

Gate pillars 2 2 1/2 2 1/2 31 1/4

Wall between pillars & 2 1/2 2 5 1 3/4 2 35

Total cft of Excavation 66 1/4

Total cft of Foundation shown clay 66 1/4

Bricks in clay

Gate pillars 2 2 2 8 64

Cop over - 2 2 2 1 8

Wall between gate pillars

and Quarters 2 5 1/2 1 1/4 6 82 1/2

Coping over - 2 5 1/2 1 3/4 5/8 12 3/32

Total cft of Bricks in clay 166 1/8

Plaster of Cornice or moulding work

around the gate pillars 2 10 . . 20 20

Plastering

2 6 3/4 . 6 3/4 91 1/8

Gate pillars 2 8 . 1 1/4 20

Cop over - 2 8 . 1 16

Wall between pillars & 2 5 1/2 2 6 132

Coping over - 2 5 1/2 . 3 33

Total Sqrs of Plastering 292 1/8

Repairing the present gate and
fixing the same 1 12 1/2 . . 1 1

Total

Specification to accompany
Estimate for constructing out houses &
for Dock Hospital at Bangalore.

Amount of Estimate Rs 1200.

The excavation for foundation
to be taken down to the depth shown
on the drawing or to such other depth
as the District Engineer may consider
necessary and the bottom taken out
perfectly level.

The foundation and
Basement to be built with stone in
clay and the walls brick in clay
with the exception of arch work and one
foot all round the top of the walls
which will be built with brick in
Chunam and English bond to be
observed throughout.

Splay. All openings
will have splayed edges measuring 4"
on the face of the splay.

A stone lintel will be placed
over the opening of the doorway instead of
arch work. The stone will be 8" long 1 1/2 ft.
wide and 6" thick extending one foot on
each side of the opening.

Stone slabs for steps to be of
one stone of the required dimensions according
to

to the nature of the steps.

The fireplace will be constructed in the center a masonry fire with bricks in clay and plastered with mud and then washed with Cow dung.

The joints of the masonry will be scraped out and pointed with Chumam.

The interior of the buildings will be whitewashed with two coats.

The roof of the out-houses will be pent supported on jungle wood couples with collar pieces. The rafters for couples will be (3×4) and collar pieces $(2 \frac{1}{2} \times 3)$. The couples will be 18" apart from center to center nailed on the wall plates (4×5) placed over the walls as shown on the plan and the couples will be covered with reapers $(2 \frac{1}{2} \times 3)$ flat and pan tiles with Chumam borders.

The ridge Ventilator will consist of upright posts and rafters and covered with reapers flat and pan tiles with Chumam borders.

The floor of the Cook room will be smeared with clay and Cow dung. The bathroom will be floored with

with asphalt and the paving with one foot of clay and 6" of sand.

Two battered doors 3×6 (Jungle wood) frames 3×4 and iron fittings complete will be fixed to the Cook and bathroom.

A jungle wood battered window 3×4 frames and iron fittings complete will be fixed to the Cook room.

The doors and windows will be painted with two coats of red paint.

The old out houses will be dismantled and the rubbish carted away from the site of the work to such a distance as the District Engineer may consider necessary.

Tell
District Engineer
Bangalore
30th July 1875

Henry M. West
Major D.E.
District Engineer

Imperial Military Original works
 Detailed Estimate No 69 of 1875/76
 District Bangalore

Work. Constructing a Dead house for Lock
 Hospital at Bangalore.

Particulars of work as measured by the
 L B & Co

Excavation

Front and rear walls	2	22	2 1/2	2	220	✓
End walls	2	11	2 1/2	2	110	✓
Steps	1	6 1/2	3	1/2	9 3/4	✓

Total cft of Excavation 339 3/4
 Total cft Foundation shown in clay 339 3/4

Basement

Front and rear walls	2	21	1/2	2	172	✓
End walls	2	11	1/2	2	92	✓
Steps	1	6	2	3/4	9	✓

Total cft of Basement shown in clay 273

Superstructure

Front and rear walls	2	21	1/2	11	693	✓
End walls	2	12	1/2	11	396	✓
Total					1089	✓

Reduction

Door	1	5	1/2	8	60	✓
Arch work	1	6 1/2	1/2	1/4	12 3/4	✓
Windows	3	5	1/2	3	67 1/2	✓
Arch work	3	7	1/2	1/4	39 3/4	✓

Total Reduction 179 1/8
 Total cft of Superstructure shown in clay 909 5/8

From

The District Engineer

Bangalore

The District Engineer

Worked on 23rd September 1875

Dead

Estimated with the

estimation for the

erection and house

for the District Engineer

at Bangalore

Amounting to Rs 1000

Aug 1880

Imperial Military Original works
 — Detailed Estimate No 69 of 1875/76 —
 District Bangalore

Work. Constructing a Dead house for Lock
 Hospital at Bangalore

Particulars of work	Measur- ment L B S	Contents	Total
<u>Excavation</u>			
Front and rear walls	2 22 1/2 2	220	✓
End walls	2 11 1/2 2	110	✓
Steps	1 6 1/2 3 1/2	9 3/4	
Total cft of Excavation			339 3/4
Total cft Foundation shown in clay			339 3/4
<u>Basement</u>			
Front and rear walls	2 21 1/2 2 2	172	
End walls	2 11 1/2 2 2	92	
Steps	1 6 2 3/4	9	
Total cft of Basement shown in clay			273
<u>Superstructure</u>			
Front and rear walls	2 21 1/2 11	693	
End walls	2 12 1/2 11	396	
Total			1089
<u>Deduction</u>			
Door	1 5 1/2 8	60	
Arch work	1 6 1/2 1 1/4	12 3/16	
Windows	3 5 1/2 3	67 1/2	
Arch work	3 7 1/2 1 1/4	39 3/8	
Total Deduction			179 1/16
Total cft of Superstructure shown in clay			909 1/16

From

The District Engineer
 Bangalore

No 69 of 1875/76

To The District Engineer
 Bangalore
 Worked on the 17th 1875
 Estimated with the
 specification for the
 structure and house
 for the Lock Hospital
 at Bangalore
 amounting to Rs 1200

1875/76
 4/7/75

Aug 1886

Particulars of work	No.	Measure ment L B S	Contents	Total
<u>Brickwork chumam</u>				
Over front and rear walls	2	21 1/2 1	63	✓
Over end wall	2	12 1/2 1	12	✓
Side wall over platform	1	6 3/3 1	29	✓
Plat form for sink	1	3 2 2	12	✓
Total cft of Brickwork chumam				113 1/4
<u>Arch work</u>				
Over door	1	6 1/2 1/2 1/4	12 3/8	✓
Windows	3	7 1/2 1/4	39 3/4	✓
Total cft of arch work brickwork chumam				51 9/16
Qty of stone slabs for steps	7	6 3	18	18
<u>Pointing inside</u>				
Around the inside	1	60	12	720
Jambos & sills of door	1	21	1/2	3 1/2
Do - - - for windows	3	16 1/2	1/2	74 1/2
Around the plat form for sink	1	7	3	21
Total				846 3/4
<u>Deduction</u>				
Door	1	5	8	40
Windows	3	5	3	45
Total Deduction				85
Total Qty of Pointing inside				761 3/4
<u>Pointing outside</u>				
Around the outside	1	72	11	792
Do - - - Basement	1	74	2	148
Total				940
<u>Deduction</u>				
Door	1	5	8	40
Windows	3	5	3	45
Total Deduction				85
Total Qty of Pointing with chumam in & outside				1616 3/4
Do - - - whitewashing two coats				761 3/4

Particulars of work	No.	Measure ment L B S	Contents	Total
<u>Wood work</u>				
Rafter for couples	14	11 1/4 3 4 1/2	14-9 2 1/4	✓
Collar piece large	7	9 1/4 2 1/2 4	4-5-11 1/2	✓
Do - - - small	7	5 2 1/2 4	2-5-2	✓
Hip rafters	4	15 1/4 4 1/4 6 1/2	11-8-5 1/8	✓
Jack rafters	68	6 3/8 3 4 1/2	40-7-8 1/4	✓
Wall plates	67	4 2 3	8-8	✓
Car or badge board	88	1/2 6 1	10--	✓
Total cft of jungle wood wrought and put up				79-7-1 1/2
Nails bunches long				105 105
<u>Roofing</u>				
Front and rear	2	25 1/2 1 1/2	35 5/8	✓
Sides	2	19 5 1/4	218 1/2	✓
Total Qty of Roofing with jungle wood, rafters, nails, flat & cham tiles and chumam borders				5-75
<u>Filling in Basement</u>				
Inside	1	17 1/2 1 1/2 2	402 1/2	✓
Total cft of Filling in basement with earth				402 1/2
<u>Flooring</u>				
Inside	1	18 12 1	216	✓
Total Qty of Flooring with asphalt				216
Jungle wood 3/4 fanned & s				
1/4 glazed door with frames, hinges & bolts &c complete	1	5	8	1
Do - - - glazed windows with frames & fittings complete	3	5	3	3
<u>Painting</u>				

Particulars of work	No.	Measuring unit			Contents	Estab.
		L	B	S		
<u>Painting</u>						
Doors	1	5 $\frac{3}{8}$	2	9 $\frac{3}{8}$	98 $\frac{3}{32}$	✓
Windows	3	5 $\frac{3}{4}$		3 $\frac{3}{4}$	64 $\frac{9}{16}$	✓
Total Sq ^t of Painting					162 $\frac{25}{32}$	
Qty of Lead piping $\frac{1}{2}$ & for sink	4				4	✓
Qty of Sheet lead for sink					16	✓
Dissecting board	1				1	✓

Lab.

Specification to accompany
Estimate for Constructing a Dead house
for Lock Hospital at Bangalore
Amount of Estimate Rs 720.

The excavation for foundation
to be taken down to the depths shown
on the drawings to such a depth as
the District Engineer may consider
necessary and the bottom taken out
perfectly level.

The foundation and base-
ment to be built with stone in clay and
the walls brick in clay with the exception
of arch work and one foot all round
the top of the walls which will be built
with brick in Chumam and English
bond to be observed throughout.

Splay. All openings will
have splayed edges measuring 4 inches
on the face of the splay.

Stone slabs for steps to be of
one stone of the required dimensions ac-
cording to the nature of the steps.

The joints of the masonry
will be scraped out and pointed with
Chumam.

The interior of the building
will be whitewashed with two coats.

The

The roof will be pent up
posted on jungle wood couples with
collar pieces. The rafters for couples will
be $13 \times 4\frac{1}{2}$ and collar pieces $(2\frac{1}{2} \times 4)$. The couples
will be 15 apart from centre to centre nailed
on the wall plates (4×6) placed on the walls
as shown on the plan and the couples will
be covered with reapers $(2\frac{1}{2} \times \frac{3}{4})$ flat and pan
tiles with chinam borders.

The basement will be
filled in with earth well watered and
rammed till thoroughly consolidated
over which an asphaltic floor will be laid
on a course of concrete.

A jungle wood Door
 $3\frac{1}{4}$ pannelled and glazed (5×8) with
frames $(3\frac{1}{2} \times 4\frac{1}{2})$ hinges hooks locks and
other fittings complete will be provided
and fixed.

Three glazed windows (5×3)
with frames (3×4) and iron fittings complete
will be provided and fixed.

The Doors and Windows
will be painted with two coats of red paint.

A lead piping $\frac{1}{2}$ Diameter
will be fixed in the pyab for carrying out
the water.

A sheet lead trough
 $2\frac{1}{3}$ feet long $1\frac{1}{3}$ feet broad and one foot
deep

deep to be placed on the pyab inside
for sinks as shown on the plan.

A dissecting board 6' long
4 feet broad and $3\frac{1}{2}$ feet high with
legs 2" will be provided.

Tell
Distt Engrs office
Bangalore
30 July 1915

Alfred W. Stuart Major R.E. Retd
District Engineer

Imperial

Detail Estimate No 69 of 1875/76
District Bangalore.

Work Constructing Hospital Assistant Dr.
 for Govt Hospital at Bangalore.

Particulars of work Measurements Contents Total
Sq. Ft. Cu. Yds.

Excavation

Front and rear walls of Main building	2 2 1/2	3	330 1/2
Do. Do. Verandah	2 5 1/2	3	330
End walls of Main building	2 15 1/2	3	225
Do. of Verandah	4 9 1/2	3	270
Step front	1 6 1/2	2 3/4	9 3/4
Step rear	1 4 1/2	2 3/4	6
Total cu. ft. of Excavation			1170 3/4
Total cu. ft. of Foundation stone in clay			1170 3/4

Basement

Front and rear walls of Main building	2 2 1/2	1 1/2	129
Do. Verandah	2 2 1/2	1 1/2	129
End walls of Main building	2 15 1/2	1 1/2	93
Do. Verandah	4 9 1/2	1 1/2	114 1/2
Front step	1 6 1/2	2 1/2	6
Rear step	1 3 1/2	2 1/2	3 1/2
Total cu. ft. of Basement stone in clay			474 1/2

Superstructure

Front and rear walls of Main building	2 2 1/2	1 1/2	693
Carried over			693

No 69 of 1875/76.

From the District Engineer Bangalore

To the District Engineer Bangalore

Dated 9th August 1875.

Resd

Specification for
 Constructing a shed
 for the District
 Engineer at Bangalore
 Estimated at Rs 220
 5/12 1/2
 3/12 1/2
 1875/76

Particulars of work	Measure ment	Contents	Total
Brought over			693
End walls of Main building	2 16 1/2 11	528	
Gables over	2 14 1/2 22	105	
End and rear wall of			
Verandah	2 2 1/2 8	504	
End walls of	4 10 1/2 9	540	
Plinth to frieze of arches	16 1/2 1/2 3	13	
Total			2371 3/4

Deduction

Doors	Rectangular portion	3 3 1/2 12 6 1/2	102 3/4
	Arch work	3 5 1/2 1 1/2	28 1/2
Windows	Rectangular portion	3 3 1/2 5	67 1/2
	Arch work	3 4 1/2 1 1/2 1/4	25 3/4
Archways	Rectangular portion	2 6 1/2 4	72
	Semicircular portion	2 14 1/2 1/2 area	42 3/4
	Arch work	2 12 1/2 1 1/2	54
Total Deduction			392 7/8

Total cft of Superstructure brick in
clay 1977 5/8

Brick in chumam

Over Front and rear wall			
of Main building	2 21 1/2 1	63	
End walls of	2 20 1/2 1	60	
Front & rear wall of Verandah	2 21 1/2 1	63	
End walls of	4 10 1/2 1	60	
Total cft of Brick in chumam			246

Arch work

Over Doors	3	6	12	14	28 ⁵ / ₈
Do Windows	3	4	12	14	26 ⁵ / ₈
Do Arch ways	2	12	15	12	54
Total cft of Arch work brick in chumam					107 ⁷ / ₈

Particulars of work

Steps			
Front step	1 6 2 1/2 12	✓	
Rear step	1 3 2 1/2 7	✓	
Total cft of stone steps			19

Painting inside

Main room	1 68 1/2 12	816	✓
Gables to	2 16 1/2 3	96	
Verandah	2 56 1/2 10	1120	✓
Jamb & soffits door ways	3 16 1/2 1/2	74 1/2	✓
Do Windows	3 16 1/2 1/2	72	
Do Archways	2 18 1/2 1 1/2	54	
Total			2232 1/2

Deduction

Doors both sides	5 3 1/2 8 1/2	113 3/4	✓
Windows	4 3 1/2 5	60	
Archways	Rectangular portion	2 6 1/2 4	48
	Semicircular portion	2 14 1/2 1/2 area	28 1/2
Total Deduction			230 1/4

Total cft of Painting inside 1982

Painting outside

Front and rear verandah			
walls	2 21 1/2 1	42	
Ends of	4 11 1/2 10	460	
Do Main room	2 19 1/2 12	456	✓
Gables	2 19 1/2 3	114	
Basement Arched	1 28 1/2 1/2	192	
Total			1600

Deduction

Archways	Rectangular portion	2 6 1/2 4	48
	Semicircular portion	2 14 1/2 1/2 area	28 1/2
Learned over			76 1/2

Brought over 76 1/2

Door 1 17 1/2 15 1/2 22 3/4

Windows 2 3 5 30

Total Deduction 129 1/4

Total Sqr of Painting outside 1470 3/4

Total Sqr of Painting with churan in & outside 3452 3/4

Do White washing two coats 19.82

Woodwork

Rafter for Coupler 26 11 3 4 1/2 26-9-9

Large 13 13 2 1/2 4 11-8-11

Collar piece

Small 13 7 1/2 2 1/2 4 6-9-3

Rafter to Verandah 26 14 3 5 37-11-

Wall plates 6 19 4 2 6-4-

Total Lft of Junglwood wrought and put up 89-6-10

Sqr of Roofing with Junglwood reperf. nails flat span.

tile & churan borders 1 22 25 550 550

Sqr of Bengal terrace with

Junglwood reperf. nails 4

Courses of flat tiles & churan

plaster 2 21 1/2 13 1/4 569 3/4 569 3/4

Nails 6 long for Coupler rafter 143 143 143

Filling

Main room 1 17 1/2 15 1/2 40 6 1/8

Verandah 2 7 1/2 9 1/2 1/2 49 8 3/4

Total Lft of Filling in basement with

earth 905 5/8

Flooring

Main room 1 17 1/2 15 1/2 27 1/4

Verandah 2 17 1/2 9 1/2 33 2 1/2

Total Sqr of Flooring with clay and Cow dung 603 3/4

Junglwood framed and verandah doors 3x6 frames 4x3

with fitting 3 3 3

Do Venetian windows

2 1/2 x 4 1/2 with glazed shutter

inside frames and fitting

complete 3 3 3

Painting

Doors 3 3 3/8 2 6 1/8 159 3/8

Windows 3 3 3/8 2 5 1/8 123 5/8

Total Sqr of Painting 283 1/2

Out Houses

Excavation

Around the Cook room 31 1/2 2 1/2 2 133 1/2

Do Latrine 28 1/2 2 1/2 2 121 1/2

Compound wall 26 2 1/2 2 110 1/2

Screen wall 7 1/2 1 1/2 2 24 5/8

Total cft of Excavation 390 1/2

Total Lft of Foundation shown in clay 390 1/2

Basement

Around the Cook room 31 1/2 1 1/2 2 25 3/4

Do Latrine 28 1/2 1 1/2 2 23 5/4

Compound wall 27 1/2 1 1/2 2 22 1/2

Screen wall 7 1/2 1 1/2 2 4 1/4

Total cft of Basement shown in clay 75 3/4

Structure

Particulars of work. ^{Measurements} No. L B D Content Total

Superstructure

Around the cook room 31 1/2 1 8 2 83 1/2

Do Latrine 28 1/2 1 8 2 56 1/2

Compound wall 29 1 5 1 18 1/2

Screen wall 1 7 1/2 3/4 5 30 23/128

Coping over Compound wall 1 29 1 5 1 23 1/2

Do Screen wall 1 7 1/2 1 1/2 4 1/2

Wall under fire place 3 1 1/2 1 2 9

Total 79 5 1/2

Deduction

Door for cook room 1 3 1 8 6 20 1/2

Arch work 1 4 1/2 1 8 1 4 6 21/64

Opening for Latrine 1 2 1/2 1 8 6 16 1/2

Stone lintel 1 4 1 8 1/2 2 1/2

Bull eye ventilator for cook room 1 1 1 8 1 1/8

Arch work 1 6 1 8 3/8 5 7/16

Total Deduction 51 57/64

Total est. of Superstructure brick

Plaster in Chumam

Around the cook room 31 1/2 1 8 35 1/2

Do Latrine 28 1/2 1 8 32 1/2

Total est. of Plaster in Chumam 67 1/2

Arch work

Over Cook room door 1 4 1/2 1 8 1 1/2 6 21/64

Arch work to Bull eye

Ventilator 1 6 1 8 3/8 5 1/16

Total est. of arch work brick in Chumam 11 25/64

Stone slabs over opening (4 x 1 1/2 x 2)

Pointing inside

Particulars of work. ^{Measurements} No. L B D Contents Total

Pointing inside

Cook room 27 9 243

Latrine 24 9 216

Coping over Compound wall 29 1 5 72 1/2

Do Screen wall 27 1/2 2 1/2 75 1/2

Total est. of Pointing inside 546 1/4

Pointing outside

Cook room 36 10 360

Latrine 33 10 330

Compound wall 2 29 6 37 1/2

Screen wall 2 7 1/2 6 1/2 92 1/4

Total 1159 1/8

Deduction

Door 1 3 6 18

Opening 1 2 1/2 5 13 1/2

Total Deduction 31 3/4

Total est. of Pointing outside 1127 1/4

Total est. of Pointing with Chumam plaster outside 1674 1/4

Do White washing two coats 5 46 1/4

Wood work

Rafters to Cook room & Latrine 11 10 7 1/2 4 7-7-8

Wall plates 2 14 1/2 4 2 1-7-4

Horizontal & vertical pieces for

Bull eye ventilator 3 1/2 3 3 0-2-7 1/2

For ventilator Poles 3 1 1/4 2 1/2 4 0-3-1 1/2

on the roof of Horizontal pieces 1 5 3 4 0-5-0

Cook room Rafters 4 4 1/2 2 3 0-9-0

Total est. of jungle wood upright

and put up 10 10 9 1/4

Est. of Roofing with jungle wood

reapers mats, flat & pan tiles and

Chumam borders 14 1/2 11 1/2 224 1/4

Particulars of work	Measure meat.		Contents	Total
	No.	2 13 0		
Sp. of flooring to Cook room with clay and cow dung ———	1	7 5 2	38 2	38 2
Sp. of flooring to Privy with one foot of clay & 6 of sand ———	1	5 2 5 2	30 7	30 7
Dep. of show slabs under fire place ———	1	7 2 1 2	7 2	7 2
Dep. of Fire place ———	1	7 2	7 2	7 2
Jungli wood battens doors 2 2 1/2 x 5 2 and fittings complete ———	1		1	1
Sp. of Painting to doors ———	1	3 2 2 5 2	39 2 1/2	39 2 1/2
Privy seats complete ———	2	(3 4 2)	2	2

Tell

Specification to Accompany
Estimate for Constructing Quarters
for Hospital Assistants for Cochin
Hospital at Bangalore.

Amount of Estimate Rs 1600--

The excavation for foundation
to be taken down to the depths shown
on the drawing or to such other depths
as the District Engineer may consider
necessary and the bottom taken out
perfectly level.

The foundation and
Basement to be laid with stone in
clay and the walls built in clay with
the exception of arch work and one foot
all round the top of the walls which
will be built with brick in Chunar
and English brick to be observed through
out.

Splays All openings will
have splayed edges measuring 4 inches
on the face of the splay.

Stone slabs for steps to be
of one stone of the required dimensions
according to the nature of the steps.

The joints of the masonry
will be scraped out and pointed with
Chunar.

The

The interior of the building will be whitewashed with two coats.

The roof of the main building will be pent supported on jungle wood couples with collar pieces. The rafters for couples will be $3 \times 4\frac{1}{2}$ and collar pieces $2\frac{1}{2} \times 4$. The couples will be 8' apart from centre to centre nailed on wall plates 4×2 placed over the walls as shown on the plan and the couples will be covered with reapers ($2\frac{1}{2} \times \frac{3}{4}$) flat and pan tiles with chinam borders and the verandah will be Bengal terraced with four courses of flat tiles laid in chinam and three coats of plaster with jungle wood reapers ($2\frac{1}{2} \times \frac{3}{4}$) supported on rafters 3×5 placed 18' apart nailed on wall plates as shown on the plan.

The basement to be filled in with earth well watered and rammed till thoroughly consolidated. The floor of the main building and cook room will be smeared with clay and cow dung and the Privy with 1 foot of clay and 6" of sand. The fire place will be constructed in cook room on a masonry base with brick in clay and plastered with

with

with mud and then washed with cow dung.

Three jungle wood pannels and venetian doors 3×6 frames $4\frac{1}{2} \times 3\frac{1}{2}$ with hinges, hooks, and other fittings complete will be fixed to the main building and one battened door $2\frac{1}{2} \times 5\frac{1}{2}$ with frames and iron fittings 1" will be fixed to cook room.

Three jungle wood venetian windows with glazed shutters inside frames and other fittings complete will be fixed ^{to the} main building.

The planks for privy seats will be 2" thick 18" broad and 6 ft long supported on wooden brackets $3\frac{1}{2} \times 2\frac{1}{2}$ inserted one foot into the wall as shown on the Plan.

The doors and windows are will be painted with two coats of red color. The old buildings will be dismantled and the rubbish carted away from the site of the work to such a distance as the District Engineer may consider necessary.

Sd/-

District Engrs office
Barrackpore
30th July 1875.

Per Sir W. V. Baird

Major &c
District Engineer

No 3228

Public Works Dept.

Proceedings of the Madras Government

Under date the 12 Nov 1875

Read the following

From The Dist. Eng. Bangalore (H. N. 7749 of 1875)
(15-12-1875)

The following are
the items constituting the
general Estimate for the
Lock Hospital at Ban-
galore.

1 Cost of land	Rs 4048
2 Native Ward	4700
3 Hospital of 100 beds quarters	1600
4 Ward outhouses	1200
5 Dead House	720
6 Gate and Pillars	110
	<u>12376</u>

No 694 of 1875/76

From

The District Eng.

Bangalore

To The District Eng.

Madras.

Dated 9th August 1875

Recd

Estimate for the year

1875-76 for the construction

of the Lock Hospital at Bangalore

and for the purchase of land

at Bangalore

Amounting to Rs 12376

Rs 5124/95

Rs 2000/00

12-12-1875

12-12-1875

2. The purchase of the
land has already been
effected, the estimate for
the native word was ap-
proved in G.O. No. 1397 dated
1st May 1875 and an al-
lotment from the reserve
under Military was made
and Estimates for items
Nos. 3 to 6 aggregating
Rs 3630. are now submitted
by the District Engineer.

These are now sanctioned
for immediate ex-
~~ecution~~ ~~and~~ ~~the~~
~~District Engineer~~
~~with supply for the~~
~~balance of funds which he can spend~~
~~in the current year,~~

at the usual time -

272/74 Adm

D. M. Banerjee
Controller
M. J. C. P. S.
11-75

Swth 4th Col

5174
Bob. of

10

17.9.82 Bangalore

Issued

Red

Enel

G. O. *12th* 1875, No.

3228

Nos. 272-274-

Lock Hospital at
Bangalore. - The estimates
~~aggregating~~ for items 3 to 6
aggregating Rs. 3630 for the
sanctioned for immediate
execution