

(1) Number of pages 156

(2) Date of repair 1945

(3) Initials of the Referee

MADRAS RECORD OFFICE.

Government of Madras.

Public Works

DEPARTMENT.

G.O. No.

1587

Press
Mis.

Original

Dated

5. 6.

1875.

Not to be folded or roughly handled

*Proceedings of the Madras Government, Public Works Department,
5th June 1875.*

Read the following papers:—

No. 131. From R. CHISHOLM, Esq., Consulting Architect to Government, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Chepauk, 4th May 1875, No. 30.

In compliance with G. O., No. 2,416-A, dated the 25th August 1874, I have now the honor to submit the following documents for works connected with Tiroomala Naick's Palace, and mentioned in the 1st paragraph of the above Government Order:—

	RS.	A.	P.
1. Estimate for securing the palace throughout with iron tie bars, amounting to	12,040	0	0
2. Estimate for locating the Collector, Range Officer, Munsif, Tahsildar, Conservator of Forests, &c., &c.	50,950	0	0
3. Estimate for locating the Judge	24,010	0	0
Total	87,000	0	0

4. Plan countersigned by the Collector.

From the above estimates the following sums have actually been expended:—

	RS.	A.	P.
1. Estimate for securing the palace	10,139	6	0
2. Estimates for the Collector's Cutcherry	14,308	15	11
Total	24,448	5	11
Leaving a balance to be sanctioned of	62,552	10	1

2. There remains but one estimate now to complete the whole of the office work connected with this scheme, that for restoring and decorating those portions which are not adjacent to, and consequently not included in, the above-mentioned works.

3. Mr. Lewis recently visited Madura with me, and he has gone over the whole of the palace, taking all the necessary measurements to complete the work in strict accordance with the drawings submitted on the 14th of January 1875. The preparation of this estimate will necessarily occupy some time.

4. I have carefully given the whole subject of the restoration of this fine old pile my earnest attention, and, notwithstanding my natural anxiety to see progress towards this end, I should be failing in my duty to Government did I omit to express my conviction that in carrying on the work by annual grants the full value for the money expended is not obtained. There is a want of heartiness and earnestness both in the superintendence and the actual work-people which shows itself unmistakably in careless work, and if the Government can possibly allow the annual grant to accumulate and then send down an officer like Mr. Wybrow specially to spend the accumulations, I feel certain the result would show itself in cheaper and more substantial work. I inspected the palace at Trichinopoly before proceeding to Madura, and the vigor exemplified in the former (which is highly creditable to Mr. Wybrow) forms a striking contrast to the spasmodic efforts and long delays which have characterized the execution of the latter.

5. If the Government will be pleased to accept this proposal and to allow the funds to accumulate, I would ask sanction now for the following two sums only:—

	RS.	A.	P.
1. Estimate for completing the iron ties	1,901	10	0
2. Amount (extra) for iron railings, an item of the Collector's estimate	693	8	0
Total	2,595	2	0

*Proceedings of the Madras Government, Public Works Department,
5th June 1875.*

6. The second item requires explanation. Mr. DeCloset, of the Napier Iron Foundry, usually worked on my estimated rates, which were low but adequate, in my opinion, for the work. In January last the Napier Foundry passed into the hands of a Company, who submitted a bill amounting to Rupees 1,597-12-0, that is Rupees 561-8-0 over my estimated sum of Rupees 1,036-4-0. I have addressed Messrs. Arbuthnot, the Agents of the Company, on the subject, but it seems to me improbable that they will reduce their rates.

7. There is also an excess of Rupees 132 paid by the Range Officer, Madura, on account of carriage of iron work, and these two sums taken together amount to Rupees 693-6-0, the amount now solicited. I would ask permission to pay both these items, and in future either obtain castings direct from home or from the Public Works Department Stores.

8. The following comparative statements showing the differences between the estimates, original and revised, are also submitted:—

- | | |
|--|--|
| 1. Securing the palace with iron ties. | 6. Range Office. |
| 2. Verandah in front of octagon dome. | 7. Iron railings. |
| 3. Taluq Overseer's Office. | 8. Memorandum showing expenditure on sanctioned works up to 31st March 1875. |
| 4. Deputy-Collector's Office. | |
| 5. Restoring the octagon dome. | |

No. 132. From the Consulting Architect to Govt., dated 6th May 1875, No. 33.

No. 133. From the District Engineer, Madura, dated 17th April 1875, No. 219.

No. 134. Docket from the Controller of Public Works Accounts, dated Fort Saint George, 3rd May 1875, No. 623.

THE following memorandum is forwarded to the Chief Engineer, Department Public Works, with reference to his memorandum, No. 440, of the 22nd April 1875.

(Signed) L. CONWAY-GORDON, Captain, R.E.,
Controller of Public Works Accounts.

Memorandum of Expenditure against the allotment of Rupees 10,000 for Tiroomala Naick's Palace at Madura—Vide Item No. 80 of the Provincial Budget for 1874-75.

					Expenditure up to 31st March 1875.		
					RS.	A.	P.
Iron ties	...	...	...	...	9,513	11	5
Lightning Conductor	...	...	...	...	60	9	4
Superintendence	...	...	...	...	16	9	7
Deputy-Collector's Office	...	...	...	...	65	10	11
Octagon dome	...	...	...	...	58	5	8
Collector's Cutcherry	...	...	...	...	374	8	11
Materials at site	...	...	...	...	122	14	11
Total					10,212	6	9
Deduct the amount spent in 1873-74 on the new Racket Court, and erroneously debited to the palace works now refunded					4	1	0
Net expenditure during 1874-75 on the restoration of Tiroomala Naick's Palace					10,208	5	9

*Proceedings of the Madras Government, Public Works Department,
5th June 1875.*

No. 135. ORDER THEREON, 5th June 1875, No. 1,587.

CIVIL WORKS, No. 16.

WITH letter, No. 30, dated 4th May 1875, the Consulting Architect submits certain estimates for the completion of all works in connection with Tiroomala Naick's Palace, with the exception of restoring and decorating those portions of this ancient pile which are not adjacent to the main building, and for which latter estimates will hereafter be submitted.

2. The works included in the above estimates, at a total cost of 87,000 Rupees, comprise the following:—

Works.	Amount of Original Estimate.	Date of Sanction.	Amount of Revised Estimate.	Expenditure up to 31st March 1875.	Balance to be provided.
<i>Tiroomala Naick's Palace at Madura.</i>	RS.		RS.	RS.	RS.
Collector's Cutcherry, including materials at site.	7,956	G.O., No. 1,194, dated 25th April 1873.	13,570	5,301	8,269
Punkah for the Collector	...	...	51	...	51
Dais for do.	...	...	330	...	330
Wooden platform for the dais	...	...	135	...	135
Iron strong room for the Treasury.	...	...	1,933	...	1,933
Deputy-Collector's Office	2,400	G.O., No. 1,194, dated 25th April 1873.	3,236	2,244	992
Restoring octagon dome	...	...	4,507	3,887	620
Front verandah to do.	1,920	G.O., No. 1,194, dated 25th April 1873.	2,740	2,680	60
Taluq Cutcherry	...	...	6,110	...	6,110
Range Office	2,280	G.O., No. 1,194, dated 25th April 1873.	2,970	2,708	262
Restoration near store room	...	...	2,000	100	1,722
			Superintendence	178	
Taluq Overseer's Office	450	G.O., No. 2,626, dated 28th Oct. 1873.	535	497	38
Dismantling old Racket Court	...	...	93	40	53
District Munsif's Court	...	...	9,790	...	9,790
Fixing two lightning conductors.	535	G.O., No. 1,706, dated 2nd July 1873.	1,330	849	481
Sets of racks for records	...	...	1,620	...	1,620
Securing superstructure with iron ties.	6,900	G.O., No. 1,194, dated 25th April 1873.	50,950	18,484	32,466
Accommodating the Civil and Session Court.	...	...	12,040	10,123	1,917
			24,010	...	24,010
Total	22,441		87,000	28,607	58,393

Deducting the expenditure already incurred on the above works, a sum of Rupees 58,393 will have to be provided.

3. The Honorable the Governor in Council sanctions the above estimates and will await the further estimates called for in G. O., No. 444, dated 16th February 1875.

4. The first of the items given in paragraph 5 of Mr. Chisholm's letter for completing the iron ties is approved of for immediate execution, and Government having in G. O., No. 1,118, dated 20th April 1875, directed the work in connection with the

Proceedings of the Madras Government, Public Works Department,
5th June 1875.

Racket Court to be carried out with the allotment of funds made for the palace, the grant of 10,000 Rupees for the current year will to a great extent be absorbed. In 1876-77 a sum of Rupees 17,250 will become available from Post Office Funds under G.O., No. 1,186, dated 29th April, in addition to the annual allotment of Rupees 10,000. It will then be considered whether arrangements can be made for the active prosecution of the work under special supervision.

5. The additional amount required for iron railings appears to call for further and more particular explanation, and the submission of original papers bearing on any agreements which may have been entered into with Monsieur DeClosets.

(True Extract.)

Major, R.E.,
Offg Joint Secretary to Government.

No. 30

ARCHITECT'S OFFICE,
Chennai, 4th May 1875.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE

Secretary to
Government Public Works Dept.

SIR,

In compliance with G.O. No. 2416 A dated the 26 August 1874 I have now the honor to submit the following documents for works connected with Tirumala Naik's Palace and mentioned in the 1st para of the above G.O.

- 1 Estimate for securing the Palace throughout with iron tie bars amounting to Rs. 12,015 ..
 - 2 Estimate for locating the Collector Range Officer, Munsiff, Tahsildar Conservator of Forests &c. &c. 57,920 ..
 - 3 Estimate for locating the Judge - 24,010 ..
- Total. 87,000 ..

4 Plan countersigned by the Collector.
From the above Estimates the following sums have actually been expended.

- 1 Estimate for securing the Palace 10,139 6 ..
 - 2 Estimates for the Collector's cutcherry 14,308 15 ..
- 24,448 5 11

Leaving a balance to be sanctioned of Rs. 62,552 10 1

2 There remains but one estimate now to complete the whole of the Office work connected with this scheme, that for restoring & decorating those portions which are not adjacent to, and consequently not included in the above mentioned works.

3 Mr Lewis recently visited Madura with me, and he has gone over the whole of the Palace taking all the necessary measurements to complete the work in strict accordance with the drawings submitted on the 14 of January 1875. The preparation of this Estimate will necessarily occupy some time.

4 I have carefully given the whole subject of the restoration of this fine ^{old} pile my earnest attention, and notwithstanding my natural anxiety to see progress towards this end, I should be failing in my duty to Government did I omit to express my conviction, that in carrying on the work by annual grants the full value for the money expended is not obtained. There is a want of heartiness and earnestness both in the superintendence and the actual work people which shows itself unmistakably in careless work, and if the Government can possibly allow the annual grant to accumulate and then send down an Officer like Mr Wybrow, specially

to spend the accumulations, I feel certain the result would show itself in cheaper and more substantial work. I inspected the Palace at Trichinopoly before proceeding to Madura and the vigor exemplified in the former (which is highly creditable to Mr Wybrow) forms a striking contrast to the spasmodic efforts and long delays which have characterized the execution of the latter.

5 If the Government will be pleased to accept this proposal and to allow the funds to accumulate I would ask sanction now for the following two sums only -

- 1 Estimate for completing the iron ties 1901.10.0
 - 2 Amount (extra) for iron railings
an item of the Collectors estimate 693.8.0
- Total Rs 2595.2.0

6 The second item requires explanation. Mr Defloset of the Kapier iron Foundry usually worked on my estimated rates, which were low but adequate in my opinion for the work. In January last the Kapier Foundry passed into the hands of a Company who submitted a bill amounting to Rs 1597.12.0 that is Rupees 561.8.0 over my estimated sum of Rupees 1036.4.0 I have addressed Messrs Abuthnot the agents of the company

I have the honor to be
Sir
your most obedt. servt:
R. Lindwater ..
Consultg Archt to Govt

Executive Eng'n Office
on duty
ES
11 June 1874

Macpeter's Lieutenant
Executive Eng'n on duty

Admiral's aide

on the subject, but it seems to me as
 improbable that they will reduce their rates.
 There is also an excess of Rupees 132 paid
 by the Range Officer Madura on account of
 carriage of ironwork and these two sums
 taken together amount to Rupees 673-6-0
 the amount now solicited. I would ask
 permission to pay both these items and
 in future either obtain castings direct
 from home or from the P. W. Dept stores.
 The following comparative statements
 showing the differences between the estimates
 Original and Revised, are also submitted.

Securing the Palace with iron ties
 Verandah in front of Octagon dome
 Tailor Overseers Office
 Deputy Collectors Office
 Restoring the Octagon dome
 Range Office
 Iron railings
 Memo showing expenditure on sanctioned
 works up to 31 March 1875

I have the honor to be
 Sir
 your most obedt. servt.
 R. C. C. C. C.
 Consulting Archt. to Govt.

5 Feb/75 No 380-381
 11 April " 532-534
 29 " " 679-680
 " 20/73 432-437
 " 2 July " 20-21
 " 28 Oct/75 " 453-454
 " 25 Aug/74 635A-635F

M. 1875 sent
 No 30
 From No 2966

The Consulting Archt.
 to Government

To
 The Secretary to
 Government M.D.

Dated 4 May 1875

Received 5th - 1875
 6m 22 P. No 23

Est. sent to Madura
 Vol. C. No 6356

Regarding Estimates
 for Teromah Nair's
 Palace

E. O. No: 1587. 5-6-75

No 131

Cir: 24/5/75 P.O. 24/5/75
 Cir: 20/6/75 P.O. 20-5-75

applied Madura
 11 June 1874
 Executive Engineer

on the subject. but in it

C. No. 2596.

No. 440 . 22^d April /75

Memo

The Controller of P. W. Accounts
is requested to be so good as to report how
the allotment of Rs. 10,000. Item No. 80 of
the Provincial Budget for 1874-75. for
Teroomala Naik's Palace, Madura, was
utilized. —

Signed G. M. Walker Secy R.C.
Chief Engineer P.W.D.

To The Controller of P. W. Accounts.

0251-1431

Encl. duly Madras 3
11th June 1874
Executive Engineer P.W.D.

on the subject herewith

Michael Estimate
District Madurai Taluk Madurai
Work. Revised Estimate for accommodating the Range Office

Quantity	Description of work	Rate	Amount	Total
		" 2 "	1 6 "	
11 1/2	cys of Excavation of earth	" 4 "	2 5 4	
9 1/3	do of do Concrete	4 8 "	69 12 "	
15 1/2	do of Filling concrete	4 "	22 "	
5 1/2	do of Brick in chunam in foundation	4 8 "	42 5 "	
94 4/9	do of Superstructure	25 "	107 8 "	
4 3/10	do of Arched roof	3 8 "	43 6 8 7	
124 139/140	do of Plastering	6 "	138 "	
23	do of Flooring	" 3 "	97 6	
5 1/2	do of Plaster Cornice	3 12 "	195 3 4	
52 1/8	do of Timber wrought & framed	1 8 "	301 2 "	
200 3/4	do of Doors & windows	" "	326 2 "	
102	do of Cast Iron Railings including carriage	3 "	18 2 5	
6 1/20	do of oil painting	1 7 4	107 11 9	
73 7/8	do of Granite	" "	2 5 4	
	extra works for do	" 10 "	104 1 "	
166 1/2	cys of Dismantling	" "	22 5 9	
	Removing old steps on the south & clearing the earth	7 "	63 "	
9	Iron Post Ventilators	12 "	27 "	
36	Sq ft of Trellis works	" "	75 13 11	
	Allowance for cleaning & washing in unrepairs portion	" 6 "	149 13 "	
399 1/2	Square feet of mouldings	" "	15 11 1	
	Contingent			

Cy 5 June 75
121557

Michael Estimate
District Engineer Madurai
Total Estimate Rupees 2708 - -
Muepyn Gaur Lieutenant

Executive Eng's Office
An aplduty Madurai
Comp 28
11 June 1874
Executive Eng's Office
Madurai

0651-1441

Detailed Estimate No.

of

1974-75

District

Madurai

Teling Madurai.

Work

Revised Estimate for accommodating the Range Office in the Palace Madurai

Particulars of work.	Measurements in feet and inches.			Contents
	Length	Depth or Height	Breadth or Thickness.	
1	2	3	4	5
Excavation of Earth				
Gross walls between Columns	98-1	2-	1-6	98-1
Steps	10-	10-	2-	200-
Total cubic feet				298-1
or cubic Yards				11 1/27
Excavation of Old concrete				
Gross walls between columns	83-10	2-	1-6	251-6
Steps				9 1/2
Total cubic feet				417-3
or cubic Yards				15 1/2
Filling concrete in the Foundation				
Gross walls between columns	98-1	2-	1-6	394-3
Steps	10-	10-	1-3	125-
Total cubic feet				417-3
or cubic Yards				15 1/2
Bricks in chunam in Foundation				
Gross walls between columns	98-1	1-6	1-6	73-6 3/4
Steps	10-	10-	1-9	75-
Total cubic feet				148-6
or cubic Yards				5 1/2

Endeavour to get the work done in the least possible time and at the least cost.

Estimated

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Madurai District

Detailed Estimate No.

of 1974-75

District

Madurai

Telug Madurai.

Work.

Revised Estimate for accommodating the Range Office in the Palace
Madurai

Particulars of work.	Measurements in feet and inches.			Contents
	Length	Depth or Height	Breadth or Thickness.	
1	2	3	4	5
Excavation of Earth Gross walls between Columns Steps	78-1 10-0	2-0 10-0	1-6 2-0	78-1 200-0 298-1
Total cubic feet				298-1
or cubic yards				11 2/3
Excavation of Old concrete Gross walls between columns Steps	83-10 10-0	2-0 10-0	1-6 1-3	281-6 125-0 407-3
Total cubic feet				407-3
or cubic yards				15 1/2
Brick in plinth, in Foundation Gross walls between columns Steps	98-1 10-0	1-6 10-0	1-6 1-9	73-6 3/4 75-0 148-6
Total cubic feet				148-6
or cubic yards				5 1/2

Engineer Madurai
for Government of India
Madurai

Estimated

Madurai District

Madurai District

Division of Estimate

Rs 2908-00

Work.

Accommodating

Range Office in the

Palace Madurai

Mr. 2966/55
12/55

Superstructure				
Open walls between columns	98-1	5-0	1-1/2	551-8 1/2
Building sides of the broken arches	4 10-3	4-0	4-0	656-0
Steps	10-0	5-0	5-0	250-0
Parapet above	38-0	2-6	-0	71-3
In the sides of the window	3 21-0	4-0	-0	126-0
For doorway to the height of the window	2-6	4-0	5-0	50-0
Repairing the South wall outside	65-0	2-6	-0	121-10 1/2
Granite Ties in the South wall	3 4-0	-0	1-0	6-0
Sides of the Arched Roof long	2 35-0	2-6	2-6	437-6
Do Sides Cross	4 10-0	2-6	2-6	250-0
Sides of the interior in each opening	}	27-6	1-6	41-3
between columns & steps				
Bases of the columns	4 18-0	-0	-0	18-0
Square Pedestal	4 6-9	-0	1-4	27-0
Total cubic feet				2606-7
Deduction for 2 doorways	2 5-0	5-0	1-1/2	56-3
Remaining cubic feet				2550-4
or Cubic Yards				94 2/3
Arched roof with concrete				430
Arches on the South side	3 14-4	10-0		440-8
Total square				470 1/2
Plastering with 3 coats in Buff color				
South wall outside	65-0	28-0		1820-0
Do inside	3 14-6	25-0		1087-6
Inner columns	8 14-0	12-0		1344-0
Outer - do -	4 15-0	12-0		720-0
Capitals for 4 columns	16 6-0	1-3		120-0
Angles	16 1-9	1-9		49-0
Pillasters on the South wall	14-6	7-0		101-6
Total sq ft				5242-0

5242-0				
Pillasters on the South wall	3 14-6	4-3		184-10 1/2
Screen walls do	2 98-1	11-0		2157-10
Steps	2 10-0	4-0		80-0
Roof inside	57-6	9-9		560-7 1/2
Do	66-0	10-0		660-0
Sides of the newly built arches	3 10-0	10-0		300-0
Repairing the inner of arches	7 14-6	10-0		1015-0
Top of Terrace	56-0	39-0		2184-0
Parapet	38-0	2-0		76-0
Total sq feet				12460-4
or square				124 3/4
Flooring with Square Tiles				124 3/4
Flooring	62-0	41-6		2573-0
Deduction for columns	8 4-9	4-9		180-6
Do	4 5-0	5-0		100-0
Total sq feet				2292-6
or sq				28-0
Plaster moulding				
Below the Arches	6 70-0	-0		420-0
South wall parapet	40-0	1-6		60-0
Outer columns' Bases	4 18-6	1-9		129-6
Total sq feet				399-6
Plaster cornice				
Below the Arches	6 70-0	1-0		420-0
South wall outside	65-0	1-6		97-6
Total sq ft				517-6

Oak wood wrought & framed.				
Longitudinal pieces for door frames	8	8-6	1-5	9-5 3/4
Do cross pieces	4	5-6	1-3	3-3 3/4
Longitudinal pieces for windows	9	6-0	1-5	7-6
cross - do -	6	4-6	1-5	3-7
Railing pieces below and top	2	102	1-3	12-7
Do - - do -	112	1-5	1-4	15-6-8

Total cubic feet 52 1/8

Doors and windows				
Doors	4	7-6	5-	150-
Windows	3	4-5	3-10	50-9

Total sq feet 200-9

Cast Iron Railings R. ft 102

Oil Painting for wood and iron work				
Door frames	4	7-6	1-	30-
Do	4	5-	1-	20-
Do	51	9	1-	51-9
Window frames	6	8-	1-	48-
Do cross	6	4-	1-	24-
Railing pieces	102	2-6		255-
Doors	4	7-6	5-	150-
Windows	3	4-5	3-10	101-7

Deduction - 6 + 3 = 9
Total sq ft or square 608-4
6 1/20

Granite step				
Do for ties	4	4-6	1-	9-
Do for steps	129	9	1-	64-10 1/2

Total C. ft. 73-10 1/2

Dismantling Brick in chumam

Arched roof	3	15-	10-3	2-	922-6
Do	28	8-	2-		448-
Sides of dilapidated Arches	4	10-3	4-	4-	656-
For windows on the south wall	2	5-	7-	4-	280-
Do for granite ties	3	5-	1-6	1-	22-6
Sides of the Arched roof long	2	35-	2-6	2-6	437-6
Do cross	4	10-	2-6	2-6	250-
Do long	2	28-	2-6	2-6	350-
Do cross	2	8-	2-6	2-6	108-
Excavating concrete for steps	3	7-	3-6	2-6	181-9
Old Roof	56	0-	40-	1-3	580-0
Old Parapet	65	1-6	3-		292-6

Total cubic feet 4500-9
or cubic yards 166 1/2

Remaining the old step on the south
& clearing the earth

Dismantling Brick in mud

Cross walls between columns	25	4-	1-9	75-
Total cubic yards <u>2 3/4</u>				
Iron Pot Ventilators				
9				
Trellis work				
Window heads				
3	3-	4-		36-
Total sq feet <u>36-</u>				

Abstract Estimate No 74 and 75

District Madras Palay Madurai

Work Revised Estimate for accommodating the Range
Office in Tirumalaikil Palace

Quantities	Description of work	Rate	Amount	Total
11/27	Cy of Excavation of Earth Dry	2	16	
9/3	Do Concrete	4	25	4
15/2	Do Filling	4	69	12
5/2	Do Brickwork Churns in foundation	4	22	
94 1/2	Do Superstructure	4	425	
4 3/10	Sq ft of arched roof	25	107	8
124 3/5	Do Plastering	3	436	87
23	Do Flooring	6	138	
399 1/2	Sq ft of Moulding	6	149	18
517 1/2	Do Plaster Cornice	3	97	6
52 1/10	Cy of Timber wrought and framed	3	195	34
201 3/4	Sq ft of Doors and windows	1	301	2
102	Sq ft of Cast Iron Railings including Carrage		326	2
6/20	Sq ft of Oil Painting	3	18	25
73 7/8	Cy of Granite	1	107	119
	Cotta works		25	4
166 1/2	Cy of Dismantling	10	104	1
	Rebuilding old steps on the south & clearing the earth		22	59
9	Do Iron Pot Ventilators	7	63	
36	Sq ft of Plaster work	2	27	00
	Allowance for clearing and washing in unrepaired		75	1311
	Contingent		15	1120800

13/11/11

$\frac{11}{12}$

A

Excavate

do

Excavate

Brick

Sup

Arche

Shack

Shack

Shack

Shack

Leak

Do

Do

Oil

Flour

Fresh

Cut

Disma

Do

Allow

Cont

Remov

Post

Ex tract

Revised Schedule
for accommodating the
large office building
in the Palace

Mr. 2964/15

Comparative Statement showing the difference between the Original & Revised Estimate for Accommodating
Range office in the Palace Madras

Particulars	Original Estimate			Revised Estimate			Less than Estimate			More than Estimate			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
Excavation of earth	112 3/4	2	16	112 3/4	2	16							
Do Concrete	9 3/4	4	25 1/4	9 3/4	4	25 1/4							
Filling Do	15 1/2	4 8	69 1/2	15 1/2	4 8	69 1/2							
Brick in Churnaw in foundation	5 1/2	4	22	5 1/2	4	22							
Superstructure	65 5/8	4 8	295	94 4/8	4 8	425				28 8	4 8	130 00	The old brickwork by the side of the arches was found so bad that it had to be removed and rebuilt.
Arched roof with 2' Concrete	4 3/8	25	115	4 1/8	25	107 8	3/10	25	7 8				
Plastering with 3 coats	124 1/8	3 8	436 1/2	124 1/8	3 8	436 87	53/240	3 8	4 2				
Forming with 1/4 Lbs	23	6	138	23	6	138							
Plaster moulding	39 9/16	6	149 1/8	39 9/16	6	149 1/8							
Do Cornice	51 7/8	3	97	51 7/8	3	97							
Each window & frame	3 1/2	3 1/2	118 2	52 1/8	3 1/2	195 3/4				20 8	3 1/2	77 1/4	Two doors and frames &c have been put at the request of the Range officer. also it was found necessary to have the windows made larger than allowed in estimate.
Do and windows	111	1 8	136 8	20 3/4	1 8	301 2				59 3/4	1 8	134 10	Curry of Iron Railings
Stone Railings	102	2 8	255	102	2 8	255						71 2	See remarks to doors.
Oil Painting	3 3/4	3	11 1/4	6 1/2	3	18 25				23/10	3	6 1/2	
Iron Bolt & Nuts	9	7	63	9	7	63							
Travelling work	36 1/4	12	27	36	12	27							
Cut Stone Steps	59	1	59	73 3/8	1 7/4	107 11/9						48 1/9	It was considered necessary to have small steps for each opening. these are added in the revised estimate.
Dismantling Brick in Churn	68 3/8	8	346	16 1/2	10	104 1						69 1/4	See remarks to superstructure - also windows have been made larger and dismantling masonry for granite ties not allowed in original estimate.
Do in mud	20 1/4	4	11				23/10	4	11				
Allowance for Churning & washing			100			75 1/3			24 2/1				
Contingencies			117 1/55			15 1/11			102 4/4				
Removing Old Steps on the left						22 5/9						22 5/9	It was originally intended not to knock down the steps.
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						22 5/9	
Do on the right						22 5/9						22 5/9	
Do on the left						22 5/9						2	

G.O. No 15-87 JS-L JV-

Joseph Ludy
Lieut. Col. 20
District Engineer, Madras

Actual engraved picture to me
 Sunday No. 1, 1874, p. 10.
 The info dated 1874, Nov. 10/14.

Comparative statement
 showing the difference
 between the original
 and the revised estimate
 for restoring the
 Oregon and in
 the Palace Gardens

C.

Brief
 Plan

Plan
 Brief
 Seat
 Door
 Diam
 Price
 Iron
 Oil
 Wash
 Count
 Cash
 Trel

Pass

Enclosed 2 more sets of plans of the
 proposed plan of the Palace
 to show the difference in the
 estimate of the original
 and the revised estimate

Madame Richard

Madame Richard

Amount of estimate
 \$10000-14

Work restoring Oregon
 and in the Palace
 Gardens

B

5/11/11
 29/11/11

Comparative Statement Showing the difference between the Original and Revised Estimate for Restoring the Octagon Dome in the Palace Naosura

Description	As per Original Estimate			As per Revised Estimate			Less than Estimate			More than Estimate			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
Plaster in Chumam 3 Coats	20,256 1/4	3 8	708 15 4 2 3 1/2	3 8	810 4					28 7/4	3 8	101 4 8	Reassment of upper gallery on the outside not included in the original estimate. Part of the old walls where the plaster was knocked off was found to be brick in fact. This had to be replaced by brick in chumam. It was found necessary to put additional cornices during the execution of the work.
Brick in Chumam	11 9/4	5 8	61 1 9 31 13 1/4	5 8	173 4 10					20 7/4	5 8	112 3 8	
Plaster Cornice	20,256 1/4	2 6	318 8 30 5 4 4/4		2 6 397 8 7					50 5/4		2 6 79 4	
Reassment Concrete & Lax	18 13 1/2	8	145 1 3							18 13 1/2	8	145 1 3	
Brick in Chumam on edge	25 5 1/4	4	100 11 10							25 5 1/4	4	100 11 10	Wooden bricks for facing door frames & the beams for supporting roof of upper gallery not included in the original estimate.
Chairs brought and framed	80 3/4	3 12	302 13 10 3 1/2	3 12	387 13					22 2/3	3 12	85	
Doors and Windows	848	1 8	12 72 809 1 8	1 8	12 13 8					39	1 8	58 8	It was impossible to fill the old plaster had been removed. What portion of the walls required to be rebuilt.
Dismantling old walls	4 1 3/4	8	22 6 10 4 1/2	8	52 4					59 1/4	8	29 14	
Principles over dome	5	4	20 5 5		25					5	1	5	
Iron ties 1 1/2" diameter			100							100			
Oil painting 2 Coats	18 1/2	2	37		37					290	6	108 12	Same remark as to Cornice
Plaster moulding	100	6	225 890	6	333 12					175 12 11			
Contingent			386 67		210 98					316	12	237	Ordered by Mr. Chisholm. This was put instead of glass allowed in original estimate as saving being made by doing so.
Extraordinary moulding					316 12 237					60	12	45	
Skeleton work					60 12 45					18 13 1/2	8	145 1 3	Not allowed for in the original estimate.
Paving with Syce Tiles				18 13 1/2	8	145 1 3							
			3700		4968 1 4					580 2		948 3 4	

Estimate of the cost of the works described
 prepared by the Engineer in Charge
 of the Public Works Department
 of the Government of India
 at the Palace Naosura
 on the 11th June 1874
 Mr. 29/6/74

Executive Engineer's Office
 on special duty 11th June 1874

Comd. P. L.
 M. S. L.

P. S. L. S. L. S. L.
 S. L. S. L. S. L.

Macquarrie
 S. L. S. L. S. L.

Executive Engineer on special duty

Encls: 2 copy letter from the
Congressional Printing Office
to the House of Representatives
dated June 10, 1868

Colonel Colman

Madame Dietrich

Maurel Alcock

House of Commons
Re 1068-1-4

Wm. Randolph Anderson
Commissioner of the
Land Office

5/11/68

B

Richard Rogers, Master to the
Sunderland, 17th Dec 1874.

17th Dec 1874.

Compendious Statement
showing the difference
between the original
and the revised estimate
for restoring the
Octagon and in
the Palace Gardens

C.

G.

Pla

Brie
Plas

Run

Brie

Seat

Door

Diam

Princ

Iron

Oil

Plas

Cont

Co ha

Shell

Paria

Comparative Statement Showing the Difference between the Original and Revised Estimate for Restoring the Octagon Dome in Amal Sainko Palace Madras

Description	As per Original Estimate			As per Revised Estimate			Less than Estimate			More than Estimate			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
Plaster in Chumam 3 coats	20256	3 8	708 15	4 23 1/2	3 8 0	810 4				28 2/3	3 8	101 4 8	Basement of up for gallery on the outside not included in the original estimate.
Brick in — do —	11 1/2	5 8	61 1 9	31 1/2	5 8	173 4 10				20 1/2	5 8	112 3 1	Part of the old walls where the plaster was knocked off was found to be brick and had to be replaced by brickwork.
Plaster Cornice	238 1/2	2 6	318 8 3	254 1/2	2 6	397 8 7				58 5/8	2 6	79 1 4	It was found necessary to put additional cornice during the execution of the work.
Lavement Concrete and Fat	181 1/2	8	145 1 3				181 1/2	8	145 1 3				
Brick in Chumam on edge	25 5/8	4	100 11 10				25 5/8	4	100 11 10				
Leak wrought and framed	80 3/4	3 12	302 13	103 1/2	3 12	387 1/3				22 1/3	3 12	85 8 8	Produce brick for giving door frames & the beams for supporting roof of up for gallery not included in original estimate.
Doors and windows	84 8	1 8	127 2	80 9	1 8	121 3 8	39	1 8	58 8				
Dismantling old walls	44 1/2	8	22 6	104 1/2	8	52 4				59 1/2	8	29 1/4	It was impossible to tell till the old plaster had been removed what portion of the walls required to be rebuilt.
Plaster on dome	5	4	20	5	5	25				5	1	5	
Iron Lino 1 1/2 diamels			100						100				
Oil Painting 2 coats	18 1/2	2	37			37							
Plaster moulding	600	6	225	890	6	333 1/2				290	6	108 1/2	Same remarks as to cornice.
Contingent			386 6 7			210 9 8			175 12 11				
Extra ordinary moulding				316	12	237				316	12	237	Ordered by Mr. Chisholm.
Plaster work				60	12	45				60	12	45 0 0	Knives put instead of glass allowed in original estimate & having being made.
Lavement with Lino Lino				181 1/2	8	145 1 3			181 1/2	8		145 1 3	Not allowed for in the original estimate.
			3700 0 0			4068 1 4			580 2			948 3 4	

11th June 1874

Signed/ G. M. Subbaraya Rao
Superintendent in Charge of Low works
Madras

Detailed Estimate No 73 and 74
 District Madras Taluk Madras

Work: Restoring the Octagon Dome in Tirumala Hills
 Madras

Particulars	No	Length	Breadth	Thickness	Quantity
Brick work in Chimneys					
Filling the hollow spaces	8	4	3		96
Support of the dome	17	4	3		204
For preventing the rain water between the openings	16-6	2-1	1		138-6
Parapet wall on the east	32	1-3	1		40
do do	11	2	1		22
do North	41	2	1		82
do do	12	2	1		24
do West	32	1	1		32
Closing hole	8	3	3		72
do	7	4	3		84
do on Southern portion	15	5	9		56-3
Total Brick in Chimneys in Cft					850-9
Plastering 3 coats with Chiman					31 ¹³ / ₂₇
Parapet exterior window openings	18	13-4	2-6		600
do do	10	14-10	2-3		333-9
do do	2	53	7		74

Plastering Brought forward				
Exterior walls	2	37-6	7	167
Ceiling East		37-6	1-6	52
do West		37-6	1-3	46
do North		53-9	1-9	92
Flooring west		37-6	1-10	68
do North		53	2-4	123
do East		37-6	2-4	87
Interior walls		141	6-6	918
Exterior walls North and South	2	56-6	10-6	1186
do east and west	2	40-6	10	810
Cornice	4	11-6	6-7	302
Breaders	10	10-3	10-3	1057
do	6	15-8	10-3	922
Wall within the recess	3	27-3	13-6	1103
do	6	27-3	6-3	1021
Pillars of Spt. Columns	6	9-9	17	994
do Cornice	2	13	17	142
do	2	17	7-6	258
Cross walls	2	57-3	27	2767
Back wall		45-6	34	1567
do		13	34	442
do		23	34	782
Top of the dome South and North	2	25	22-9	1137
do East and west	2	8-6	22-9	386-9
do	4	8-3	22-9	750-9
do	20	2		40
Benches	5	6-4	4	126-8

Plastering Brought forward				
Surface of the side terrace		31	7-9	240-3
do at Cornice	4	14	14	784
do Sides North and South	2	13	4	104
do do east and west		31	4	124
the space between windows		66 1/2	3-1	205
do		53	2-11	154
Western sides		37 1/2	2-10	106
Eastern do		37 1/2	2-10	106
Parapet on the eastern side		32	3 1/4	104
do		11	4	44
do North		41	4	164
do		12	4	48
do West		32	3	96
do		56	24	1344
Ental Spt				23285
Deduction		27-6	5-8	144-4
Remaining Spt				23141-4
do Spt				231 1/2
Plaster Cornice				
Below the Spt roof	2	107	3-3	695
Below the windows inside	4	53	1	212
do	4	37-6	1	150
Below do		118	3-6	413
Pillars heads	6	14	4	336
do	2	18	4	144
do	2	11	4	88

Plaster Cornice Brought forward				
Top of the dome	2	23	1-6	3/67
do do	2	25	1-6	52
do do	2	28	2	5
do on east side	2	31	10"	14
do cross	8	1-10	10"	19
do North d.	2	53	10	14
do cross	12	16	10"	12
do East		37-6	10"	3
do cross	6	1	10"	5
do in corner	4	14	10"	1
Total Sft				46-6
Plaster moulding ordinary	600	1		25-8
Bottom of the dome	290	1		6-2
Total Sft				2910
Extra ordinary moulding	316	1		89-2
Pavement				349-6
The Open Space of the rooms				142
Recess	46-6	32		253
do do	81	3-6		1406
Total Sft	3	7	2	2856
Doors				4442
Small doors	3	18	6 1/2	18082
Windows	3	2	4	35437
do	3	12	4	2386
	18	5	1-10	14750
	10	5	2-6	1640
Total Sft				12226-8

Leak wood wrought & framed				
Doort frame cross pieces	6	8	5"	4"
" long	6	5-3	5"	4"
large doort frames	3	57	6"	6"
28 Windows uprights	56	6	3"	3"
20 do cross	20	3-4	3"	3"
do do	36	2-3	3"	3"
Window Circular heads	10	4-3	3"	3"
do	18	2-8	3"	3"
Support pieces for the gallery	5	5	6"	6"
Leak Blocks for screwing up the doort frames	30	1	6"	6"
Total Cft				103-4
Dismanthling Walls	2	12	11	5
do	2	21	3	3
do do	3	12	2	5
do Windows	3	4	5	2
do	2	20 1/2	22	6"
do	2	8-6	22-9	6"
Total Cft				193-3
Cy of				2822-5
Penicks	5			
Brillio work	3	5	4	
				60

Abstract Estimate No 74275

Work District Madua Taluk Madua
 Restoring the Octagon Room in the Palace
 Madua

Quantity	Description	Rate	Amount	Total
31 ¹³ / ₄	Cy of Brick in Chumand	5 8"	173 4 10	
21 ¹ / ₂	Sq of Plastering & Scaff	3 8"	81 0 4	
254 ¹ / ₄	Sq of Plaster Cornice	2 6	397 8 7	
890	do do Scaffolding	6 "	333 1 2	
316	do Extra ordinary do	12 "	237 4 4	
1136	do Sawing	8 "	145 1 3	
809	do do	1 8"	1213 8 "	
103 ⁵ / ₂	Cy of Hardwood	3 12	387 13 "	
104 ¹ / ₂	Cy of Dismantling	8 "	52 4 "	
5	Perichs	5 "	25 0 0	
60	Sq of Trellis work	12	450 0	
2	Iron ties		352 4 8	
	Allow for Painting		37 0 0	4210 6 4
	Contingent			3857 7 8
	Total Proper			2709 8
				14068 1 4
				44210 0

Rupees four thousand sixty eight annas one and pie four only

11th June 1874

/Signed/ G. M. Looking also Incider
 Taluk Foresect of Town
 works Madua

Detailed & Abstract Estimate

Madura District

Madura Taluk

Estimate No 4068-1-4

5.

Revised Estimate for
Restoring the Octagon
Dome in the Palace with
Comparative Statement

Pr. 2966/55

G.O. No 1587 of 5-6-75

Estimated At 19

Detail Estimate for accommodating Deputy Collector's Office
in the Palace of Animal Hairs in the Town of Madura for
1872 and 1873

Particulars	Length	Breadth	Thickness	Content
Excavation of Foundation				
Cross wall between Columns	77	3'	9"	173-3
Long do do	42	3'	9"	94-6
For Steps	10	10	9"	75
Total Cost				342-9
Total Yards				12 3/4
Excavating Concrete				
Cross wall between Columns	77	3	1-6	346-6
Long do do	42	3	1-6	189
For Steps	10	10	1	100
Total Cost				635-6
Total Yards				23 1/2
Concrete				
Cross walls between Columns	77	2-6	1-6	288-9
Long do do	42	2-6	1-6	157-6
Steps do do	10	10	1-3	125
Total Cost				571-3
Total Yards				21 1/2

Particulars	Length	Breadth	Thickness	Cubits	
Brick in Chumau in Foundation					
Cross walls between Columns	77	1-6	6"	57-9	
Long do do	42	1-6	6"	31-6	
Steps	10	10	6"	50	
Total Cubes				139-3	
Total Cuyards				5 1/2	
Superstructure					
Cross walls between Columns	77-6	5	1	387-6	
Long do do	42-6	5	1	212-6	
Steps	10	5	5	250	
Sides of the 3 windows	3	29	4	174	
Parapet wall filling the level	56	1-6	2	198	
Deduction for do	66	2-6	3"	123-9	
Total Cubes	5	7	5 1/2	1170-9	
Total Cuyards				48 1/3	
Cut Stone Steps					
Gravel for steps	10	10	1	6"	50
Gravel for level for Broken arches	3	4	1	9"	9
Total Cubes				59	
Arched Roof with Concrete					
Arches near the South wall	2	16	11	352	
Total Sqft				3 1/2	
Plastering					
Dwarf wall	120	11		1320	
South wall inside	56	25		1400	
Total Sqft				2720	

Particulars	Length	Breadth	Thickness	Cubits
Plastering with Chumau Brought forward				2720
South wall outside	56	36		2016
Outer Column inside	4	13-1	15-3	823-6
Inner do do	8	13-1	14-3	1539
Space between the Columns	3	14-3	46	1966-6
Top Level	56	30		1680
Side Sides	56	10		560
Total Sqft				11305-0
Total Sqft				113 1/2
Plaster Mouldings				
Ornamental work on the	6	12	9"	54
Making new Capitals for Columns	5	20	1-9	175
Below the new arches	4	15	1	60
do do	4	10	1	40
Mouldings under the arches	4	20	1-6	120
Parapet Ornamental work	66	2-6		165
Total Sqft				614
Painting with Soft Brick and Pointing				
Open Space	56	46		2576
Deduction the Space of Columns	9	4-6	5	202-6
Total Sqft				2373-6
Total Sqft				23 3/4
Yellow work brick no Chumau				
Over the Window Heads	3	3	4	36
Total Sqft				36

Particulars

Length
Breadth
Thickness
Contents

Good wrought framed					
Door frames longitudinal Piece	10	8	5"	4"	11-1/2
do. Cross do.	10	5-6	5"	4"	7-7/8
Window longitudinal do.	9	5	5"	4"	6-3
do. Cross do.	6	4-6	5"	4"	3-3
Pailling Piece Bottomed Lp.	2	10	3"	3"	12-6
do. Over the Door frame	2	20	4"	4"	4-6 1/2
Total Effect					45-8 1/2
Door	5	7-1	5		187-6
Windows	3	4'	3'		36
Total Effect					223-6

Cast Iron Paillings Wt. 120

Painting for wood & Iron work

Doors	10	10	6		600
Windows	6	6	5		180
Door frames	80	1			80
Window frames	55	1			55
Windows do.	45	1			45
do. do.	27	1			27
Paillings	200	9"			150
do.	40	1			40
Cast Iron Paillings	120	2-6			360
Total Wt.					1477

Total Sgts 14 3/4

Don't put Ventilators in the Arch'd Roof 1/2 9
 since the Chasing and working of the Ironwork
 is better

Particulars

Length
Breadth
Thickness

Dismounting Churnaw in Brick

3 Windows	do.	5	7	4	140
A Roof	do.	15	10	1	150
do.	do.	15	10	1	150
Total Effect					440

Total Cyards 16 8/27

Dismounting Brickwork

Walls	9-6	8	1-6	114
do.	10-6	8	1-6	126
Total Effect				240

Total Cyards 9

built

12' x 6'

Lucas 2nd in 1895

the 11/2" thick ledge must
be lengths. not under

Thickest Part

16 1/2
9 1/2
The old wall here to be removed and removed
to its former position in to segmental arches
of 2' diameter. with some materials and
filled with concrete to the level of the roof

Plaster in Chumam Poff. Below 3 coats in Buff color

The first coat of plaster to be applied in proportion of
1/2 sand and one of Chumam. The second one to one
and the 3rd, must be half. They should be well rubbed
and finished as much as possible

Plaster buildings in Chumam

The Druidan building 9' high also finished and
first floor the bridge the monumental work
in Chumam to be painted similar to those
now exists in every part of the Palace
the buildings of that province to be of the same
kind now in existence from the old ruins
and the west side of the present rock - Cast

Drawing with 9' Pattern like

The bits used for the work to be Pattern made
and in Chumam. on the top of the wall
concrete to form now in existence then
paints to be well scraped and thick rubbed
with cement mixed with brick dust

Fullano work with loose bricks in Chumam

The 3 Druidan Keats on the south wall to
be filled with the fullano work similar to
that of the 3 windows. now put up in the
sectioned Parthian. a step in the Parthian

Seakmough and mounds

All the doors and window frames to be made in
teak. about the top and bottom of the C. & S. sills -

Like doors and windows

The door to be made of teak similar to that of
the doors now received from Madras. Stained
with brass knobs with 1/4" iron bolts brass and iron
washers and nuts

Cast Iron Railings

The Railings of the pattern shown in the
plan. will be received from Madras through
the Consulting Architect. Government and
without an error for the required length. through
the District Engineer.

~~Painting of the buildings~~

Oil painting

The wood work and cast iron Railings. to be
painted with 3 coats of any brand of oil
the C. & S. the District Engineer.

Pat. Paints

The 7 covered roof for the office. Each of them

Executive Engineer on Special duty

W. P. Poochappa

them to have an iron oil-mechanism in the center
of each arch similar to those now fixed in
the Roof of the room above in most of
the octagon dome

Whichever the millstone is remaining
to be cleaned and washed with soap & water

W. S. Hayatbakhsh
L. A. A. in charge
of L. A. V.

Journal of the Palace

Madura

Specification of work to be undertaken in order
to provide accommodation for the Office of
the Deputy Collector in the Old Palace
at Madura.

The Space to be devoted to this Office
is marked H. 1, 2, and 3, I. 1, 2, & 3 and

I. 1, 2 and 3 in plan of Palace dated 1873
February 1873.

Space H 1 and H 2 will form a room
for the Clerk I 1 and I 2. The Deputy
Collector's Room, and I 1 and I 2 the private
apartment. The Space H 3 - I 3 and I 3 in
forming public Corridor.

Partition Walls.

Dwarf walls surmounted by
iron openwork railings will be built on
the lines shown on the drawings.

Each Compartment will have one door
opening out to the public passage and one
door for Communications between each
apartment. —

Doors.

The existing masonry will be repaired
where necessary and the whole afterwards
plastered and whitewashed to harmonize
with the tints of the new Academy
Court. —

Repairs and
whitening

The whole of the roof H 1.2.3, I 1.2.3, Terrace.
and J 1.2.3 will be picked up and
repaired with fresh materials and fine
plastered. —

The flooring H. 1.2. J 1.2 and I, and 2 Floor
will be laid with square tiles neatly
jointed and pointed. —

South opening

Break through 3 openings in the
South.

South wall 4 feet broad and 3 feet high
to springing with a Saracenic arched
head. The wood work for these openings
Can be obtained from Madras. —

The details of the Screens and
doors are shown on the detailed drawing
and the work will be carried out
in strict accordance with the
drawing.

For Pat. Phil.
Consulting Architect.
(True Copy).

Resident Engineer on Special
duty
Ch. Chokkalingam

Estimate No 19 1873

From 33

M. G. Subbagarathu
I. C. S. D.

To The Officer in charge
of No 1 Range Madras

Dated 21-2-73

Ad 26-2-73

Estimate with Spec-
ifications for the Deputy
Collector's Office in the
Palace

Amount of Estimate Rupees
2520-00

Enclosure No 1 Ina letter
from the Dist Engineer
Madras
No 5235 dated 7-1-1873

To The Secretary to Govt
P. W. D.

No 4.

P. W. 2966/75

G. O. No 1587 of 5-6-75
Estimate of Rs 2400 for the
of Collector's Office in the
Palace Madras.

P. W. 1975/73.

Abstract Estimate No. of 74 & 75
 District Madurai Taluk Madurai
 Works Revised Estimate for accom^{mo}dating the Taluk Officers Office

Estimate No 10

Quantities	Description of Work	Rate	Amount	Talab
2 1/3	Cyds of Excavation of Concrete	4	9 4	
7/9	D: Earth	2	1 6	
2/3	D: Filling Concrete	3 8	8 2 8	
7/9	Brick in Churnam in foundation	4	3 1 8	
12 24 5/27	D: Superstructure	4 8	58 2 2	
27 17/100	Squares of Plastering	3 8	95 1 6	
208 3/4	Square feet of Plaster Cornice	3	39 2 3	
91 7/8	D: Moulding	6	34 7 3	
7	Flowers	4	1 12	
6 1/2	Squares of Flooring	8	52	
8 3/4	Sqft of Teak wood brought and framed	3 12	32 13	
54 1/4	Sqft of Doors	1 8	81 6	
10	of Iron Railings	2 8	25	
1 7/8	Squares of Oil Painting	3	5 10	
40 2 1/2	Sqft of Dismantling	8	20 4	
3	Ventilators	7	21	
1	Rain Water pipe	2 8	2 8	
12	Square ft of Trellis Work	12	9	
	Sundries		21 11 6	

Talab Supers

511 12 10

District Engineer Madurai

Executive Engineer's Office

On spec^l duty 11 June 74

Comd^g E.E.

Macapooru

Executive Engineer on Special duty

Ch. Poochappaiah

Work. Revised estimate for accommodating the Saluganconeri's office.

Nat'l. Ass'n. of Young

Madame Dobbert
Madame Dabert

Amount of Estimated
Rs 511-12-10

Handwritten signature

Recommending
the Doctor's Quercit

Office in the Palace

Producture
H.

Brickwork for Parapet above the roof	20	1	1	335-11/2
Do - do - do	20	1-6	1-9	22-6
Total cubic feet				378-5 1/2
Deduction for door way	5	3	5	29-6
Remaining cubic feet				348-10
or cubic yards				12 24 5/6
				27
Plastering with 3 coats				
South wall	14	9	28	423--
North wall	14	11	3	157-6
Front 2 columns	2	15	12	360--
Capitals	8	6	1-3	60--
Angles	8	1-9	1-9	24-6
Introdoses of the Arcades	3	14	9 1/3	575-3
West and South side	6	13	9	702--
Introdoses	3	14	9 10	442-8
Total sq. feet				2744-9
Deduction for doorway	5	6	5	27-6
Remaining sq. feet				2717-3
Total square				27 17 3/10
Plaster cornice				
Round the segmental arches	144	1		144--
Capitals of the columns	2	15	1-9	52-6
Cornice round the shellwork in the window head	13	1	1-4 1/2	4-10 1/2
Do. over the dwarf wall	2	7	4 1/2	7-4
Total sq. feet				208-8 1/2
Plaster maulding				
Round the arches	144	1	1/2	72--
Do. Window heads	2	12	3 1/2	18-4 1/2
Over the arch	2	1	12 1/2	1-6
Total sq. feet				91-10 1/2

Flowers	7			
Painting with edge Tiles				
Floor	4 1/2	15 1/2		643-6
Total sq. feet				6 1/2
Teak wood wrought & framed				
Longitudinal pieces for door frames	2	8	1-4	2-2 3/4
Top cross		14	1-4	2-0 1/2
Bottom do		5	1-4	1-9 1/2
Window longitudinal pieces	3	5	1-4	2-2 1/4
Horizontal do	2	5	9	1-7 1/2
Total cubic feet				8-9 1/2
Teak wood doors & windows				
Door		7	6	37-6
Window		4	5	10-9
Total sq. feet				54-3
Cast Iron Railings				
Over the North wall		10	2	25--
Oil Painting 3 coats				
Door frames longitudinal pieces	2	8	1	16--
Top horizontal do		14	1	14--
Do. Bottom		5	1	5--
Window longitudinal pieces	3	5	1	15--
Horizontal do	2	5	1	10--
Door		7	6	75--
Windows		6	4	24--
Cast Iron Railings		10	2	25--
Total sq. feet				184--
Total Sq. feet				17 1/2

Dismantling

Old gallery	24	6	6	864
Window opening	7	5	4	140
Parapet wall over the gallery	24	2	1	90
Total C. feet				1094
or Cubic Yards				40 2/3

Ventilators

3 Arched roof centre & front Ventilators				
1 Rain Water pipe	6		9	Diameter
Platts work				
over the Window head	4	3		12

52/5
9962 WID

Comp. 2070

Abstract Estimate No

of 74 & 75

District Madura Taluk Madura

Work Revised Estimate for accommodating the Taluk Quersart Office

Quantities	Description of work.	Rate.	Amount.	Amount of each part.
2 1/3	Cubic Yards of Excavation of concrete	4	9	4
7/9	do do Earth	2	1	6
2/3	do do Filling concrete	3	8	28
7/9	do do Brick in Chumam in foundation	4	3	18
12 24 5/8	do do Superstructure	4	8	58 22
27 1/2	Sq. of Plastering	3	8	95 16
208 3/4	Sq. feet of Plaster cornice	3	3	923
91 7/8	do do Moulding	6	3	473
7	Flowers	4	1	2
6 1/2	Sq. of flooring	8	62	
8 3/4	C. ft. of Teak wood wrought & framed	3	12	32 1/3
54 1/4	Sq. ft. of Doors	1	8	81 6
10	Sq. ft. of Iron Railings	2	8	25
17/8	Sq. of oil Painting	3	5	10
40 1/2	C. yds. of Dismantling	8	20	4
3	Ventilators	7	21	
1	Rain water pipe	2	8	2 8
12	Sq. ft. of Platts work	12	9	
	Sundries		21	116
Total Rupees			571 12/10	

11 June 1874

Signed/ G. M. Subrayaswami
Taluk Quersart Office

Comp. 2070

Co. 1877-5-6-95

Apr. 29 1877

Received Estimate
for accommodating
the Acting Revenue
Office in the Palace.
Do Lms No 511-12-10

Madama District
Madama Salary
No. of 1874/75

No. 3.

Discharged & Recd of the same

Enclosure No. 4. In a letter

No. 5235. dated 7th March 1878

from the District Engineer

To the District Engineer

The Secretary of the

Office.

Do. No. 5235. dated 7th March 1878

Estimate of Rs 1920 for

Constructing a verandah

in front of the Octagon Room

on the south side of the

Palace.

O.R. 1975/78.

*Comparative Statement showing the difference between the Original & Revised Estimate
for accommodating the Taluk Quarter's Office in the Palace, Madras.*

Description of work	As per ^{original} estimate			As per ^{revised} estimate			less than estimate			more than estimate			Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	
Excavation of concrete	2 1/30	" 4 "	" 9 4	2 1/30	" 4 "	" 9 4	"	"	"	"	"	"	
Do of earth	7/9	" 2 "	" 1 6	7/9	" 2 "	" 1 6	"	"	"	"	"	"	
Filling concrete	2 1/30	3 8	8 2 8	2 1/30	3 8	8 2 8	"	"	"	"	"	"	
Brick in chunam in foundation	7/9	4 "	3 1 8	7/9	4 "	3 1 8	"	"	"	"	"	"	
Superstructure	3 1/27	4 8	14 15 4	12 27	4 8	58 2 2	"	"	"	9 16/27	4 8	43 2 10	The end wall was originally included in the estimate for the Range & the latter was not sanctioned & consequently it had to be debited to this office.
Plastering	27 1/100	3 8	95 1 6	27 1/100	3 8	95 1 6	"	"	"	"	"	"	
Plaster cornice	19 1/2	" 3 "	36 13 6	20 3/4	" 3 "	39 2 3	"	"	"	12 1/4	3 "	2 4 9	
Do Moulding	7 1/2	" 6 "	27 "	9 1/8	" 6 "	34 7 3	"	"	"	19 7/8	6 "	7 7 3	
Flowers	"	"	"	7	" 4 "	1 12	"	"	"	7	4 "	1 12	
Flooring with stone	6 1/2	8 "	52 "	6 1/2	8 "	52 "	"	"	"	"	"	"	
Leak wood wrought & framed	8 3/4	3 12	32 13	8 3/4	3 12	32 13	"	"	"	"	"	"	
Doors	49 1/2	1 8	74 4	54 1/4	1 8	81 6	"	"	"	4 3/4	1 8	7 2	The windows in the original estimate were 3' x 4' in the revised estimate 5' x 4'
Iron Railings	10	2 8	25 "	10	2 8	25 "	"	"	"	"	"	"	
Oil Painting	17/8	3 "	5 10	17/8	3 "	5 10	"	"	"	"	"	"	
Dismantling	40 1/2	" 8 "	20 4	40 1/2	" 8 "	20 4	"	"	"	"	"	"	
Ventilators	3	7 "	21 "	3	7 "	21 "	"	"	"	"	"	"	
Rain water pipe	1	2 8	2 8	1	2 8	2 8	"	"	"	"	"	"	
Trallis work	12	" 12 "	9 "	12	" 12 "	9 "	"	"	"	"	"	"	
Sundries	"	"	21 11 6	"	"	21 11 6	"	"	"	"	"	"	
			450 "			494 8 "			47 4 10			61 12 10	
						511 12 10							

11th June 1874

R. C. C. C.

Signed/ G. M. Subramanyam
Taluk Quarter in charge of Town works
Madras

M. L. 1. 1. M. 2. 1. 1.

Constructing a veranda
in front of the octagon room
on the outside of the
Palace.

O. W. 1975/73.

Particulars	Q/	Length	Breadth	Thickness	
Oil Painting Brought forward					720
Water Pipes		124	9"		93
Total Feet					<u>813</u>
		Total sq ft	<u>8 1/8</u>		
Gravel					
West Openings	4	2-3	2-3	9"	15-2 1/2
South Columns hollow	4	3-3	3-3	9"	31-8 1/2
do Center	8	3	3	9"	54
do Capitals	4	3-6	3-6	9"	36-9
Total Feet					<u>137-7 1/2</u>

To
The J. A. Anderson with
of S. H. Palace
Dinner
to
Sept 10. Green. RR
West Virginia
Indiana
D
March 28-2-73
Dr L.
Seasonal and blood
Report from the
King Leopold
became much interest
of the California
Century in 1869
1

Particulars	Q3	Length	Breadth	Thickness	Contents
Brick on edge					
Verandah	52	12	4 1/2"		234
Inner Space bet the West arch	8	2	4 1/2"		6
West Corners	4-6	1-6	4 1/2"		2-6 3/8
Openings of Front Columns	3	10	3	4 1/2"	33-6
East Corner	4	1-6	4 1/2"		2-3
Total C feet					278-3 3/8
Total C yds				10 2/3	
Sq ft Lino Paving					
Verandah	52	12			624
Inner Space bet the West arch	8	2			16
West Corners	4-6	1-6			6-9
Front Opening, between Columns	3	10	3'		90
East Corner	4	4	1-6		24
Total Sq feet					760-9
Total Sq ft				7 2/3	
Hollow Work					
Front Openings between Columns	2	10-6	2		42
Side do on the West.	8	2			16
Total S feet					58
Rain Water Pipes 3" in diameter N ^o 4	31				
Wood work					
Joists	N ^o 40	14-9	3"	7"	86-1/2
Total C feet					
Oil Painting for wood work.					
Joists	40	12	1-6		720

Particulars	Length	Breadth	Thickness	Content
Plastering with Chaux & Gravels				600
West end wall	2 6-9	27-6		371-3
do Cross Wall	2 12	27-6		660
do Spandrels	2 44	4-6		396
and pieces on each side of the arches	1-9	8		561
Recesses on the front face	40-6	6"		20-3
do do	9	3"		2-3
Front interior of the arches	3 24	2		144 1
Cornice over the roof	56	2		112
do do Cross	15-6	2		31
top of the terracing	56	15		840
balustrade	41 12	1-3		615
Total sq ft				3847-9

Total sq ft 38 1/2

Plaster Cornice				
Front Wall	54	3		162
do Cross	16	3		48
Parapet for the Gallies in front	40	1-3		50
Total sq ft				260

Plaster Mouldings				
Over the 3 front openings	6 24	1		144
do West	2 10-6	1		37
Below the Roof longitudinal	2 56	6"		56
do Cross	3 16	1		48
Total sq ft				285

Particulars	Length	Breadth	Thickness	Content
Superstructure Brought forward				870
West end wall	6-9	2	27-6	371-3
Cross Wall	12	2	27-6	660
Spandrels between arches in front	44	2-6	4-6	495
and pieces on the sides of the arches	8	2-6	1-9	35
Cornice in front	56	2	1-6	168
do Cross wall	15-6	2	1-6	46-6
Top and bases for side opening	8	6"	1-3	5
do front openings	2 10-6	6"	1-3	13-1/2
Total sq ft				2663-10 1/2
Deductions recess above arches in front	40-6	2-6	6"	50-7 1/2
do on side	9	2-6	3"	5-7 1/2
Arch way in west	8	2	22	352
Total sq ft				2255-7 1/2
Total yards				83 5/9

Arch Work				
Arches in front	3 24	3	2	432
do on West	10-6	2	2	74
Total sq ft				506
Yards				18 3/4

Terracing				
	58-6	13-6		790
Total sq ft				7 1/10
Plastering 3 Coats				
Front sq Columns	6 3	18		270
East end wall	2 6	27-6		330
Total sq ft				600

Estimate No 23

Detail Estimate for the proposed New Verandah in front of the Octagon Dome on the South or now intended for Collector's Cutchery in Kinnal Naik's Palace Madras for 1872 and 1873.

Particulars	Length	Breadth	Thickness	Contents
Excavating Foundation				
Longitudinal Wall	60	7	6	2520
Cross do	10	7	6	420
Total Feet				2940
Total Yards	108 $\frac{8}{9}$			
Concrete in Foundation				
Longitudinal Wall	60	6-6	1	396
Cross do	10	6-6	1	66
Total Feet				462
Total Yards	16 $\frac{3}{4}$			
Brick in Chamars in Foundation				
Longitudinal Wall	59	4	2-3	531
Cross do	11	4	2-3	99
Longitudinal do	58	3	2-9	478-6
Cross do	11	3	2-9	90-9
Total Feet				1199-3
Total Yards	44 $\frac{1}{2}$			
Superstructure				
Columns including Base & Capital	4	3	3	16
East end Wall	27-6	6	2	330
Total Feet				870

The Carcase and the Plaster moulding works will be same but the Carcase and the mouldings now existing in the undecorated and restored Portions of the Palace.

The flooring to be made with Pattars tiles 9 or 10 inches in sq.

The Verandah to put in to the 2 front and outside opening will be same but the same style in keeping with ancient building.

The Rain water pipes provided will be fitted against the Draining and provided over with air pipes in the same color of the new Verandah to be provided.

Kinnal Naik's Palace
28 Feb 1873
J. Cunningham
of F. S. P.

Specification & Plan for the accompanying
Estimate for the new Varandah (porch) to be
constructed in front of the Citayan House on
the South side on the spot now intended for
Collectors Cutchery in Timal itaichas Palace
Estimate Refers. 1,920 10. 00

The proposed Varandah will be constructed
in a longitudinal wall on the South and a
Cross wall on the west up to the ground level
on which it will be divided in to 3-10 1/2 feet
openings on the South and one on the west
with 2 Salient angles one on the East and the
other on the west the intermediate space will
be constructed with three square columns
As shown in the accompanying plan the square
columns to be built of brick in Chumam the
Base and Capital of these columns to be built
in one full granite and 2 pieces of the same
kind will be built in masonry. Over these
columns three Saravane arches in front on
South face and one on the west face will
be thrown and the Spandrels will be filled
up accordingly shown in the plan. up to the
bottom level of the Terrace. And that a cornice
of Brick work to be built as shown in the
plan. The Varandah will be fitted with
lute joints and Larned iron and made
water tight after which the whole of the
brickwork and the Terrace will be plastered
with Chumam of Buff color to match with
the present restoration of the Citayan
House

32
Chin Wai. F.R.M.B.A.
Cmt. As to Jan

Estimate No 23

Abstract Estimate for the proposed New Veranda in front of the Octagon Dome on the South of now intended for Collectors Cutchery in Trimal Nakh's Palace Madras Jan 1872-73

Quantity	Particulars	Unit	Rate	Amount
108 3/4	Grade of Excavating Foundation	Cy	2 0	139 9
18 3/4	do Concrete do	do	4 0 0	67 0 0
44 1/2	do Brick in Churnam do	do	4 0 0	178 0 0
83 3/4	do Superstructure	do	4 12 0	396 14 2
18 3/4	do Arch work	do	6 0 0	112 8 0
7 7/10	Sq of Terraceing	Sq	18 0 0	142 3 2
38 1/2	do " Plastering 3 Coats	Sq	3 8 0	134 12 0
260	Sq of Plaster Cornice	Sq	0 3 0	48 12 0
285	do do Insulating	Sq	0 6 0	106 14 0
10 3/3	Cy of Brick on edge	Cy	4 0 0	41 5 4
7 3/5	Sq of Sg. Silk Painting	Sq	10 0 0	76 0 0
58	Sq of Gellous work	Sq	12 0	43 8 0
124	Rft of Water Pipes 3 in diam	Rft	5 0	38 12 0
86	Cft of Wood work	Cft	3 8 0	301 0 0
8 1/8	Sq of Oil Painting 3 Coats	Sq	3 0 0	24 6 0
137 5/8	Cft of Granite	Cft	0 12 0	103 3 6
Total Dupes				1838 11 11

Add 5% Contingencies &c

Total Dupes

1926 0 0

S. A. De la

28 February 1873

Mr. J. H. C.

Collector

District Engineer of Madras.

W. J. Haydn

Superintendent

of the Works

[Faint handwritten notes and calculations on the right page, including a large sum 1926 0 0.]

Statement showing the difference between the amount of Mr A De laet's bill and the amount provided in the estimate.

Quantities	Description	Amount charged by Mr De laet	Amount provided in the estimate	Difference
414 1/2	2 feet of cart iron railings received for the work as per bill at 3 1/2 Rs	1450 12	1026 4	
	cart hire paid in Madras as per bill	147		
	deduct the amount paid by the Madras Range Officer for the cart hire		132	
	Total Rupees	1597 12	904 4	693 8
	Total amount due to him as per estimate for 414 1/2 2 feet		<u>904 4</u>	

Salook Overseers Office
25 March 1875

Signed / by Subroyaloo Sarro
Salook Overseer

1 true copy /

W. H. Tucker Vicar's Secy
District Engineer

R. Chelvan.

Encl: 13. 10 p. bill from
the Madras Engineer's Office
to the Secretary to the Government
of P. W. Works dated 18th March 75

12480

and enclosed

works in Richmond and the Palmetto Plantation.

H. Nichols

March 30 - 1890

10000-10000

Wm. H. Nichols

July 1st 1890

Wm. H. Nichols

July 1st 1890

sufficient showing the
 difference between
 Mr. McClure's bill for
 iron railings and
 the amount paid
 for the same in the
Estimate.

90 Mc 1587 of 5/6/50
 2966/15-17

Memorandum the
Expenditures on Sect.
Estimates up to 3/01
March 1895.

V. M. 2966 $\frac{18}{15}$

Ex-1087-56-75

2

Comparative Statement showing the difference between the original and the Revised Estimate for securing the Superstructure of Tirumala Nripa Palace Madura.

50 ✓

As per Original Estimate As per Revised Estimate Less than Estimate More than Estimate

Description	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Quantity	Rate	Amount	Remarks
Bron work for Calvaruzid Liss	20-17-2-17	300	6294 12 5										
Value at invoice of Bron work received						1687 28							
For S. S. Hindoo						142 3 11							
Exchange on do						274 12 8							
Value of stores for S. S. Hindoo						24 15 8							
Exchange on do						371 4							
Traight paid here on stores						21 14							
Boat hire for landing about						14 14							
Pier toll for do						8 11 6							
Police employed for do						2							
Pier toll for landing stores						7536 5							
			352 14 8			521 13						188 14 4	
Bron Liss for Redagon domes			493 5			493 5							
Conveyance of 20-17-2-17 to Trichinopoly			609 1			609 1							
do to Madura as per Transfer	3	12	36	3	12	36							
Scaffolding fixing Liss	4	10	40	4	10	40							
Holes for Liss for North Quadrangle	3	12	36	3	12	36							
Scaffolding fixing Liss for South	4	10	40	4	10	40							
Holes for do	40	5	200	40	6	240							
Scaffolding & fixing Liss for	80	10	800	80	15	1200							
Holes for Liss for do	2	30	60	2	30	60							
Scaffolding fixing Liss for Central dome	8	5	40	8	5	40							
do do small	16	8	128	16	8	128							
do do bed room	32	10	320	32	10	320							
Holes for Liss for do	4	5	20	4	5	20							
Scaffolding fixing Liss for ward room	8	10	80	8	10	80							
Holes for Liss				64	1	64							
cut stone for plates				6	5	30							
brick work			449 14 11			509 12 7							
Contingencies						12040							
			10000			1635							

Total Rupees

Madura 1895
27 April

W. G. G. G.

W. G. G. G.

W. G. G. G.
L. G. G. G.

2-10 1/2
3-6
0
0
25
5
15
33-6
76
70
0
300
70
40
1-7 1/2
-6
2-10 1/2
-11 1/2
22-6
35-5 1/2

Dh. 2965/55-
 1/55-

Comparison of the
 showing the difference
 between the Original
 and Revised Estimate
 for determining the value
 of the work of the
 Princes of the Palace

No. 1.

Detailed Estimate No. of 1875/76.
 District Madras Salug Madras.
 Work—Recommending the Civil and Session Court
 in Primal Palace Madras

Particulars	Measurements				Contents
	No.	L	B	H.	
<u>Recommending</u>					
Brick in mud					
Water shed cross walls	4	10	1	9 1/2	380
do long walls	3	11	1	9 1/2	313-6
Ratna cross walls	5	1-3	9	90	
do do	5	1-3	9	90	
do long walls	2	10	1-3	9	225.
Cross walls between columns	8	1-3	9-6	95	
do do Pillars	7-6	4	10-6	315	
do do	6-9	4	10-6	283-6	
do do	8	4	5-6	176	
do do	10	4	6-9	270	
do do	8	10	12	80	
West wall of the dome	55	4	15	3300	
North walls	7-6	4	9	270	
do	8-9	2	3	140	
East gable wall in repair	2	5-7	4-9	1	54-7 1/2
do	3-9	1-9	1	6-6	
do	15-9	1-6	9	212-10 1/2	
do	6-3	1-9	1	10-11 1/2	
do Northern side	43	1-6	5	322-6	
Total Cost					6635-5 1/2

Brick in Mud	Near Dome	2	5-6	3-6	1	38-6	6635-5%	Picking up the old plaster North wall inside	100	21	2100	1330		
"	do		6-6	4-9	1	30-10 1/2		" " South " do	100	21	2100	1330		
"	do		2-9	2	1	5-6		" " Pillasters North	10	4 1/4	10	425	864	
"	do	2	2	2	1	5		" " do South	10	10	4 1/4	125	576	
Total Effect							6718-3 3/4	" " do East	5	10	4 1/4	212-6	2850	
Deductions								" " Cornice over Pillasters	25	6	3-6	525	1872	
"	Water shed doorway	3	4 1/2	2 1/2	12	33-9		" " Ceiling north and south	20	9	9	1620	5872	
"	Lahiri Windows	2	3	2-6	1-3	18-9		" " Arcades do	13	16	4-6	1296	78	
"	do Door		6-6	2-9	1-3	22-4		" " do	36	4-6	4-6	729	1372	
"	do openings		5-9	2-3	1-3	16		" " do in gallery	20	16	4-6	1440	7457	
"	Door in the north wall		6-6	3-6	4	91		" " do do	40	4-6	4-6	910		
Total Deductions Effect							181-10	" " Ceiling East	2	9	7	126	187 3/4	
Remaining Effect							6453-7 1/4	" " do do	2	8	7	112	1539	
or Cyds							239	" " do do		14	7	98	243	
Dismantling Brick in Charnam								" " Arcades do	3	20	4-6	270		
"	Buttresses in west side	2	16	8	2-6	660		" " do do	6	7	7	294		
"	Broken arched roof in the gallery above	13	10 1/2	9		716-7 1/2		Total Effect					30293-6	107 1/2
"	one opening from the Bench to the great room	5 1/2	3	7 1/2		123-3/4		Deductions						
Total Effect							1480	Doors	3	13-6	5-6	222-9	189	
or Cyds							54 3/4	Windows	12	9	5	540	49 1/2	
Picking up the old plaster								Remaining Effect					29530-9	67 3/4
"	Dome out side	2	23	118		5428		or Cyds					275 3/10	2252 1/2
"	Moulding do	2	6	118		1416		Judge's Court						
"	Dome inside	8	46	9-6		3696		Excavation for foundations						214 1/2
"	Spandrels	16	30	3-6		1680		Porch front & rear	2	25-0	11-0	8-0	4400	225
"	do	8	33	3-6		924		" " Sides	2	8-6	11-0	8-0	1496	620
"	Columns	24	11	10		2640		" " Towers	2	28-0	22-0	8-0	9856	236
"	Cornice over Columns	24	11	1-6		504		Walls between Pillars west side	2	10-0	7-6	8-0	1200	450
"	Angles	48	1-6	1-6		108		" " "	1	34-8	7-6	8-0	2080	810
"	Pillaster over Columns	24	20	9		360		Total value feet					19032	283 1/2
"	East wall		55	21		1155		or Cubic yards					705	526 1/2

Top of Turrets	2	14	14	392
Upper East Keraidah	1	42	9	378
Building up a portion of Large Dome on the west side	1	56	8	336
				74.30

Interior Decorations &c

Restoring Capitals to Column	22			
Small carrels over Columns	110	new works		
Figures over Columns griffen	20			
Griffle figures west side	2			
Restoring Columns at Angles	4			
First Mouldings Round the room	324	1 1/2		486
2 ^d do do	324	1 1/4		425
3 ^d do do	324	1/3		162
4 th do do between piers	2	83	1/3	221
Extraordinary mouldings over Triplets	12	18	1	216
do Centre ones	2	20	1	40
Initials over large Dome	17			
Restoring Capitals in the Ledges private room over Columns	10	116	1 1/4	1650

Exterior decorations &c

Moulding over Porch Arches	3	30	4	30
Cornice 3 sides of Porch		77	2	154
do inside porch under roof		64	1	64
do Lower Cornice in Turrets 3 sides	2	53	1	106
do Upper do in do	2	48	5	480
West face of the Dome on sides of the large windows	2	10	2	40
Moulding over large window		36	1	36
Curved do on the ends of the dome east and west sides	2	56	19	196
Main Cornice below the Porch		70	3	210

2 do East	(51)	39	3'	117
2 do West		75	3'	225
do North		135	3'	405
Ornamental spandrels Turret upper windows	6	4	2'	48
Allow for ornament over west entrance Dome	7	19		19
				5,110

Restoring upper ornamental cornice				130
------------------------------------	--	--	--	-----

Rain water pipes on 2 sides of the dome	16			
do do in porch	2			
do do Turrets	4			
Rain water pipes in Ledges private room	8			

Feet wrought and framed

West entrance Dome	36	6"	6"	9
do large window frame	83	3"	6"	31 1/8
do do uprights	8 12	6"	6"	38
Turrets small window frames	6 12	4"	5"	10
do upper windows	6 25	4"	5"	21
do uprights in the Turrets	6 6 1/2	4"	5"	5 1/2
Glass window frames for the sides and ends of the dome on the gallery	26 25	4"	5"	83 1/4
Ledges private room East sides frames for windows	5 26 1/2	4"	5"	17 1/2
Frames for Doors & windows	3 27	4"	5"	11 1/4
Entrance door frames for the Turret	2 21	4"	5"	6
Frame for the glass windows on the east side of the dome upper openings	1 22	3"	4"	2
do do	2 18	3"	4"	3
do do	2 12	3"	4"	2
do do	2 9	3"	4"	1 1/2

Ludges private rooms south side 4 20 4 4 9
269 3/4

Doors Panel & glass

West entrance dome 1 7 9 1/2 66 1/2
2 Large windows 1 18 1/2 19 351 1/2
Turrets small windows 6 1 7 4 42
do Large windows 6 5 1/2 6 198
658

Glass window shutters

For the sides and ends of dome in the
gallary 24 26 624
Ventilators south side of Hall in the lower story 8 1 1/2 2 24
Shutters for windows east side of Ludges' private room 5 4 5 100

Doors do do 3 7 1/2 5 112 1/2
Shutters for openings on southern entrance dome for turrets 2 3 1/4 6 1/4 40 1/2

Glass windows

East side upper openings in the dome with circular
tops 1 4 6 6 6 29 1/4
do do 2 3 6 5 6 38 1/2
do do 2 2 4 16
do do 2 2 2 1/2 10

Ludges private room south side windows 4 4 6 26
do Ventilator in dome above the roof 8 1 1 1/2 12

Trellis work over windows on the east side of Ludges' room 5 3 5 75
1102

Dais for the Dudge

Wood work

Upright pieces for the corners 2 18 6 4 4 1 1/4
End ones 2 10 4 4 2 2 8
Shuts 2 4 4 4 10 8
Intermediate pieces on 4 sides 8 4 4 4 3 6 8
Cross pieces above 17 4 4 1 10 8
Uprights over the cross pieces 4 2 4 2 5 4 Total
Straining pieces for the uprights 3 5 3 3 11 3
Joists across the frame of the Dais 4 13 5 3 5 5
Hand railings on front 15 3 1/2 3 1/2 1 6 4
Sides bottom piece for the balustrade 4 4 3 2 8
Front do 15 3 2 6 3
Ports do 2 3 3 3 4 6
Cross do 3 2 2 1
Total Cput 23 9 0

1 1/2" Planking

over the Dais 10 1/2 15 157 6
do in the recesses 6 3 1/2 21
Steps 2 4 13 8 8
do 2 6 13 13
do 2 8 13 17 4 36 5
Recesses for steps 2 3 10 6 3 10
do 2 5 10 6 5 10
do 2 7 10 6 7 10
Sides for the step 4 2 2 16

Total Sput 251 0
Total Sgts 2 1/2 5 2

Balustrade east 3' in length 44 44
Ornamental 1" Planking 14 1/2 2 29
do sides 2 3 2 12
Total Cput 41

Wooden platform for the Dais

— Stands or uprights for the platform —	20	1.3	4"	4"	2.9.4
— Longitudinal pieces for outside —	2	20	4"	4"	4.5.4
— Cross pieces outside —	2	5	4"	4"	1.1.4
— Do — inside —	3	5	4"	3"	1.3.0
— Do — 30 — 1 front step —	4	1.3	6"	4"	10.0
— Stand or uprights for witness box —	4	1.3	3"	3"	3.9
— Longitudinal pieces —	2	3.3	3"	3"	4.10
— Cross pieces —	2	1.3	3"	3"	1.10
90 1/2 Cleats for the platform —	44	6"	4"	4"	2.5.4
Total cost of plank —					13.8.9

1" Planking

— Do — for the platform & step —	20	15			3.00
— Do — witness box —	3	1.3			3.9
Total cost —					303.9
or Squares —					3 1/100

— Allow for sundry repairs such as cleaning
and washing — Rs 250 }
Lightning conductor over the dome — 450.

Mr. 2966/75
20/75

G. O. No. 1584 of 5-6-75

47

Amount 15 Cents
Sent.

But note for Rs
50 of 50 sent to
the D. C. S. S. S. S. S.
on the 1st of 1st.

21/10/75

Returned with
Lachar 22/10/75

Wooden platform for the Dais

Stands or uprights for the platform 20 1.3 6" 6" 2.9.6

Longitudinal

4
4
0
0
1

Abstract Estimate No. of 1874-75.

District Madras Telug Madras.

Work Securing the superstructure of Primal Nair's Palace, Madras, with his.

Quantity

Description

Rate

Amount

Total

Value of invoice of Iron works received
per J. G. Hindoo on 17th Feb'y 1874 } 6687 2 8

Exchange on do 142 3 11

Value of stores for S. S. Thomson of
20th March 1874 } 274 12 8

Exchange on do 24 15 8

Freight paid here on stores received
per J. G. Hindoo. 371 1 -

Boat hire for landing above 21 14 -

Pier toll for do 4 16 -

Coolies employed for do 8 11 6

Pier toll for landing stores received
per J. G. Thomson } 2 - 7536 - 5

2. Iron ties for Octagonal Dome
including fittings } 561 13 -

Conveyance of 20 tons 19-2-17 to Trichy

by railway as per the Bill

No 9, 22 April from the Superintendant

of Public workshop & stores

do to Madras as per the Transfer

advice No 976 and 1007 of 28th & 31st

March respectively 607 1 -

3 Scaffolding and fixing ties for
North Quadrangle } 12 - 36 -

4 Holes for ties for do do 10 - 40 -

3 Scaffolding and fixing ties for do 12 - 36 - 721 1 -

9292.3 5

4	Holes for ties for do do	10	40	9292 3 5
40	Scaffolding & fixing ties for columnade	6	240	
80	Holes for ties do do	15	1200	
2	Scaffolding & fixing ties for centre dome	30	60	
8	do do for all domes	5	40	
16	do do for bed room	8	128	
32	Holes for ties do do	10	320	
4	Scaffolding and fixing ties for Record Room	5	20	
3	Holes for ties for do	10	80	
64	Spots of cut stone for plates 8 (4' x 2' x 1') for do	1	4	80
6	Cops of Brickwork for supporting the ties 4 (5' x 4' x 2') for do	5	30	2238 4

Contingencies 549 12 7

Madras
27 April 1895

Total Rupees 12040

Dr. Subraya lochan
Master teacher
M. R. S.

K. S. S. S.

Abstract Estimate No. of 1874/75
District - Madurai Taluk - Madurai
 Work - Accommodating the Collectors Office in Tirumal
 Vaiko Palace - Madurai.

62 ✓

Quantities	Description	Rate	Amount	Total
365	Qty ^s of diamanthling bricks in Mud	" 4 "	91 4 "	
8	Small window openings No 1 (Diamanthing)	5 " "	40 " "	
8	Large - do - do - each	7 " "	56 " "	
1	Circular - do - do - do	3 " "	3 " "	
63	Qty ^s of removing Earth	" 2 "	7 14 "	
79 1/2	- do - Excavating old Concrete	" 4 "	19 14 "	
51	- do - do - Earth	" 2 "	6 6 "	
320 1/2	- do - filling Concrete	3 " "	661 8 "	
17	- do - bricks in chunam in foundation	4 " "	68 " "	
208	Qty ^s bricks in chunam superstructure	4 8 "	936 " "	
168 3/4	Qty ^s of granite for steps	1 8 "	253 2 "	
125	Qty ^s of Cast iron railings	4 8 "	562 8 "	210 1
340	- do - do - do	4 8 "	1549 " "	
375 1/2	Squares buff Color plastering	3 8 "	1314 4 "	
1602 1/2	Qty ^s of plaster Cornice	" 3 "	300 10 6	

No 1.

District Madurai
Taluk Madurai

Drawing the superstructure
 of Tirumal Vaiko Palace
 Madurai with this

Amount of work No 12041

Oct. 29 1875
 19/75

190'2	Sq ft of trellis work	"	12	142	14	"
1422	Do plaster moulding	"	6	533	4	"
115	Sq ft of paving with Square Tiles	}	9	1035	4	"
236	Sq ft of teak wrought and framed		3	2	885	"
1243	Sq ft of doors & windows		1	8	1864	8
372	Do of 1/2 panel & 1/2 louvered windows	}	4	12	65	10
553	Do glass shutters		1	8	829	8
12025	Sq ft of terracing		5	"	602	8
120	Rain water pipes		5	"	60	"
70	Rail do do		1	"	70	"
7	Pinnacles over the dome		5	"	35	"
30	Iron ties		3	"	90	"
1962 1/4	the iron bars at the 25		2	8	196	37
85 1/4	Sq ft of oil painting		3	8	298	6
	Allow for cleaning and washing	}		300	"	"
	Add 5 percent for Contingent charges			692	11	"

Total Rupees 13570

Punkah for the Collector

12	Feet 1 piece of teak or deal plank	"	8	6	"	"
25	Do punkah paper	"	12	18	12	"
12	yards of brown halba d	"	8	6	"	"
25	Feet silk ribbon 1" broad	"	2	3	2	"

2	Brass hammer hooks with bolt and nuts	2	"	4	"	"
2	Do ring hooks for rope	"	8	1	"	"
2	5/8" round iron bars to suspend the punkah with screw and nut	}	1	4	2	8
5	the Cotton rope		"	8	2	8
24	Feet of rough gummy	"	1	6	2	14
100	1" Copper nails	"	4	"	1	"
12	Do 1/2" plank for tops	}	"	1	"	12
	varnished		"	1	"	12
24	1 1/4 Dozen screw nuts	"	1	3	"	2
12	2" Do Do	"	2	"	"	2
1	Hire for mucky	"	"	"	1	"
	Do Tailor	"	"	"	2	"

Sundry Charges " " " 9 6
Total Rupees 51 " "

Pais for collector

23 1/8	Culiv feet of timber	3	8	80	15	"
2 1/4	Squares of planking	75	"	16	8	12
44	Palustrade	1	"	44	"	"
69 200	Squares aramental planking	50	"	17	4	"
	Cost of iron work		5	1	316	"
	Sundry Charges				14	"
	Total Rupees				330	"

Wooden platform for Dais

15	Kulic feet of teak wood	3	"	15	
1 ¹¹ / ₅	Sqrs. of 1" planking	50	"	8 ¹ / ₂	129

Contingent Charges _____ 6
 Total Rupees _____ 135

Constr. Iron strong Room for Sec.

4285	lbs Flat and Square iron	"	4	1071	4
163	Do bolts and nuts	"	6	61	2
26	Into hexagonal 1/2"	"	6	13	
400	Do Do Do	"	6	12	8
312	lbs of Cutstone	"	8	156	
260	lbs of Pig head	"	2	32	8
8 ⁶² / ₁₀₀	Sqrs of Cutstone Paving for the room	20	"	173	129

1 Iron barred Door each 75 .. 75 ..
 Painting the Cage in oil paint
 3 Coats } .. 25 ..

Allow for fitting the Cage
 in the room where it should
 be kept of Treasury }
 Patent chubb lock with
 duplicate key }
 100 ..
 8 ..
 85 = 3

Allow Contingencies 5 percent

Cart hire to convey the
 iron works from Madras
 to Madurai _____ 22 " 132 ..

Total Rupees _____ 1933 ..

Deputy Collector's Cutcherry

12 ³ / ₄	lbs of Excavation of foundation	"	2	1	96
23 ¹ / ₂	Do Do Concrete	"	4	5	14
74 ¹ / ₂	Do filling Concrete	"	8	335	4
5 ⁴ / ₂₇	Do bricks in chunam in foundation	4	"	20	96
50 ¹ / ₆	Do Do Superstructure	"	8	225	12
86	lbs of Cutstone for Steps	1	8	129	
3 ¹ / ₂	Sqrs of arched roof with Centre	25	"	87	8
113	Do plastering 3 Coats	3	"	339	
614	Sqrs of plaster moulding	"	6	230	4
23 ³ / ₄	Squares of painting with Sqrs tiles	9	"	213	12
36	Sqrs of bellis work	"	12	27	
6 ¹ / ₂	lbs of teak wrought & framed	3	"	226	9
29 ⁵ / ₂	Sqrs of doors and windows	1	8	443	4
120	Rft of Cast iron railings	4	8	540	
16 ¹ / ₅	Sqrs of Painting for wood & iron work	3	"	48	97
4	Iron pot ventilators	7	"	28	
35 ¹ / ₉	Kulic yards of dismantling bricks in chunam	"	8	17	810

7	kgds of dismantling bricks in mud	4	2	4	
2	Rain water pipes	5	10		
	Allow for cleaning & washing	150		3081	125

Contingencies 5 percent 15437
 Total Rupees 3206

Restoring the Octagon Dome

31 $\frac{15\frac{1}{2}}{27}$	kgds of bricks in chunam	5	8	173	410
23 $\frac{1}{2}$	Sqrs of plastering	3	8	810	4
254 $\frac{1}{2}$	Sqrs ft of plaster cornice	"	26	397	43
890	Do do moulding do	"	6	333	12
316	Do extra ordinary do	"	12	237	
181 $\frac{1}{2}$	Do framing do	8	"	145	13
809	Do doors	1	8	1213	8
103 $\frac{4\frac{1}{2}}{12}$	Sq ft of teak wood	3	12	387	124
106 $\frac{1}{2}$	kgds of dismantling	"	8	52	4
5	Pinnacles	5	"	25	
60	Sq ft of Trellis work	"	12	45	
	Allow for painting			37	
290	Sq of glass doors	1	8	435	

Contingent charges 5 per cent 214131
 Total Rupees 4507

Verandah for Octagon Dome

108 $\frac{1}{2}$	kgds dismantling foundations	"	2	13	78
-------------------	------------------------------	---	---	----	----

16 $\frac{23}{27}$	kgds of filling Concrete	4	"	67	66
44 $\frac{1}{2}$	Do bricks in foundations	4	"	178	
104 $\frac{14\frac{1}{2}}{27}$	Do Superstructure	5	"	522	116
18 $\frac{2}{4}$	Do arch work	10	"	112	8
7 $\frac{2}{10}$	Sqrs of terracing	18	"	142	32
57 $\frac{12}{20}$	Do of plastering 3 coats	3	8	202	77
528	Sq of plaster moulding	"	6	198	
150 $\frac{5}{8}$	Sq ft of granite	"	12	112	156
50	Do limestone steps	1	8	75	
10 $\frac{1}{3}$	kgds of bricks on edges	4	"	41	54
73 $\frac{1}{5}$	Sq of framing	10	"	76	
102	Sq of trellis work	"	12	76	8
2	Rain water pipes	19	5	38	10
86	Sq ft of wood work	3	8	301	
8 $\frac{1}{8}$	Sq of oil painting	3	"	24	6
260	Sq of Plaster Cornice	"	3	48	12
79 $\frac{1}{10}$	Sqrs of terracing	10	15	86	6
	bleaching and filling as well			40	
	Allow for altering the present rain water pipes			50	
2	Ornamental birds	1	"	2	
5	Griffins large	3	"	15	
6	Small griffins	1	8	9	
5	Flowers	"	8	2	8
23 $\frac{1}{4}$	Sq of extra ordinary moulding	"	12	175	8

Contingent charges _____ 128 2 9
 Total Rupees _____ 2740

Salug Batcher

36 1/4 Sps of Excavation of Concrete " 4 " 9 1
 23 1/9 " " " " Earth " 2 " 2 14 2
 9 3/4 " " brick in chunam in foundation } 4 " " 39
 40 " " filling Concrete " 3 " " 120
 126 3/4 " " brick in chunam Superstructure 4 8 " 570 6
 193 1/5 Sps of plastering 3 Coats " 3 8 " 676 3 2
 445 Sft. of plaster Cornice " 3 " 83 7
 275 5/6 " " plaster moulding " 6 " 103 7
 27 Sps arched roof with concrete 25 " " 13 8
 198 Sft. Cut stone for steps 1 8 " 297
 550 " " " " plinth " 1 12 " 962 8
 54 13/20 Sps of paving with Square Tiles 9 " " 491 13 7
 87 6 1/2 Sft of wood work 3 12 " 328 7
 475 Sft. of doors and windows 1 8 " 712 8
 138 Sft. of Cast iron railings 4 8 " 631
 1 Single window dismantling 5 " " 5
 1 Double " " " 7 " " 14
 2 Sps dismantling brick in chunam " 8 " 1
 38 " " " " in mud " 4 " 9 8
 36 Sps of oil painting 3 8 " 126
 4 Rain water pipes 5 " " 20

27 Sft. of trellis work " 12 " 20 4
 50 3/5 Sps of terracing with 6" Concrete 5 " " 253
 450 Sft. of iron work @ 25 lbs " 2 8 " 45

Allow for repairing and washing _____ 200 " 5724 15
 Contingent Charges _____ 385 1
 Total Rupees _____ 6110

Range Office

11 1/2 Sps of excavation of Earth " 2 " 1 6
 9 1/3 " " " " Concrete " 4 " 2 5 4
 15 1/2 " " " " of filling " 4 8 " 69 12
 5 1/2 " " " " brick in chunam foundation 4 " " 22
 94 4/9 " " " " Superstructure 4 8 " 425
 4 3/10 Sps arched roof 25 " " 107 8
 124 3/5 Sps of plastering 3 8 " 436 1 7
 23 " " flooring " 6 " " 138
 517 1/2 " " plaster Cornice " 3 " 97 6
 52 2/3 Sft. of timber wrought & framed 3 12 " 195 3 4
 203 1/4 Sft. of doors and windows 1 8 " 301 2
 102 Sft. of Cast iron railings 4 8 " 459
 6 5/20 Sps of oil painting 3 " " 18 7 2
 73 3/8 Sft. of granite for steps 1 7 4 107 11 9
 Extra work for D. " " 2 5 4
 16 9/4 Sps of dismantling " 10 " 105 12 6
 Removing old steps on the south and clearing the earth } 22 5 9
 9 Iron pot ventilators 7 " " 63
 36 Sft. trellis work " 12 " 27

399 1/2 Sft. moulding " 12 " 119 13 -
 Allowance for Cleaning &
 washing in unrepaid portion 76 4 11 2827 3 2

Contingent Charges 142 12 10
 Total Rupees 2970 " "

Range Store

11 7/8 Cords of Excavating Concrete " 4 " 2 15 6
 7 3/9 " " " " " 2 " 15 4
 15 5/9 " " " " " 4 " 62 3 6
 7 7/4 " " " " " 4 " 31 " "
 98 6/9 " " " " " 4 8 " 39 4
 92 2/10 Squares of plastering " 3 8 " 322 5 7
 237 Sft. of plaster Cornice " 3 " 114 7
 154 7/6 " " " " " 6 " 58 6
 28 3/2 Cords of Concrete floor " 4 " 112 8 3
 23 5/5 Sft. terracing laying inter " 4 " 93 9 7
 119 5/9 Cords of dismantling brick
 in chunam } " 8 " 59 4 5
 106 " " " " " 2 " 13 4
 45 Sft. of timber wrought and
 framed } 3 12 " 168 12
 133 1/2 Sft. of doors and windows 1 8 " 204 4
 73 1/8 Sft. of cut stone for steps 1 8 " 109 11
 5 1/2 Sqrs of oil painting 3 " 16 8

772 lbs. rammed iron @ 25 lbs " 8 " 77 3 2
 27 Sft. of Srellis work " 12 " 65 4
 4 Rain water pipes 5 " 20 " "
 Allow for cleaning and
 washing 50 " " 1902 11 10
 Contingent Charges 5 percent 97 4 2

Total Rupees 2000 " "

Valuy Overseer's Office

2 1/3 Cords of Excavation of concrete " 4 " 9 4
 7/9 " " " " " 2 " 16
 2 1/3 " " " " " 3 8 " 8 2 8
 7/9 " " " " " 4 " 3 18
 12 26 5/8 " " " " " 4 8 " 58 2 2
 27 7/10 Sft. of plastering " 3 8 " 96 11
 208 8 1/2 Sft. of plaster Cornice " 3 " 39 2 3
 91 7/8 " " " " " 6 " 34 7 3
 7 Flowers " 4 " 1 12
 6 1/2 Sqrs of flooring 8 " 52
 8 3/4 Cords of teak wood wrought and
 framed } 3 12 " 32 13
 53 1/2 Sft. of floors 1 8 " 80 4
 10 Sft. of iron railings 4 8 " 45
 1 7/8 Sqrs oil painting 3 " 5 10

40 1/2 Cys of dismantling ————— " 8 " 20 4 -
 3 Ventilators ————— 7 " " 21 " "
 1 Rain water pipe ————— 2 8 " 2 8 "
 12 Sft of trellis work ————— " 12 " 9 " " 508 9 9

Sundries ————— 26 6 3
 Total Rupees ————— 535 " "

Dismantling Old Racket
Bound

239 22/27 Cys brick in chumam dismantling " 10 " 149 14 2
 315 17/27 Do brick in mud dismantling " 2 " 39 7 3
 23 4/27 Do terrace Do " 8 " 11 9 2
 33 1/9 Squares of picking out the
 paving } " 4 " 8 4 5
 71 1/9 Cys of Earth work " 1 " 4 71 213 10 1

Deduct the value of old works ————— 120 10 1
 Remaining Rupees ————— 93 " "

District Moonsiff's Court

19 2/3 Cys of Excavation Concrete " 4 " 4 14 8
 18 1/9 Do Do Earth " 2 " 2 5 6
 38 3/6 Do Do filling Concrete 4 " " 156 " "
 9 16 1/2 Do brick in chumam in
 foundation } 4 " " 38 7 1
 75 1/6 Do Do Superstructure 4 8 " 338 4 -

122 1/2 Cys brick in chumam super story — 7 " " 855 13 -
 Windows dismantling ————— 5 " " 25 " "
 12 3/4 Cys of Do brick in mud " 4 " 3 3 -
 175 1/8 Sft of Cutstone for steps ————— 1 8 " 292 11 "
 706 1/2 Do Do for lintel ————— 1 12 " 1286 2 6
 16 Iron wedges ————— " 8 " 8 " "
 36 1/2 Sqrs of framing with 8" sq tiles 9 " " 328 8 "
 81 1/2 Cft of teak wood wrought &
 framed } 3 12 " 305 10 "

400 Sft of doors and windows — 1 8 " 600 " "
 142 R. ft railings ————— 4 8 " 639 " "
 17 3/8 Sqrs of Oil painting ————— 3 " " 52 2 "
 961 Sft of Glass windows ————— 1 8 " 1441 8 "
 266 Sqrs of plastering 3 Coats — 3 8 " 931 " "
 8 Do water Color painting — 10 " " 80 " "
 150 7/2 Sft of plaster Cornice ————— " 3 " 282 10 6
 935 Do Do moulding ————— " 6 " 350 10 "
 729 Do Extraordinary Do ————— " 12 " 576 12 "
 8 Ornamental gaffris ————— 10 " " 80 " "
 106 Small Do ————— 1 " " 106 " "
 Allow for washing ————— 350 " "

Contingent Charges @ 1 percent ————— 686 6 9

Total Rupees ————— 9790 " "

3 Lightning Conductors — each 442 5 4 1320 " " 1330 " "

Racks for Records

181 Cubic feet of Oak wood 3 . . 54.3 "
 19 1/2 Squares of 1" planing } 50 " " 77.5 "
 per Square }
 202 Dozens of 2" Screw Nails " 2 " 25 4 "

8 Sets of Racks for record 3 192 14 6 1563 4 "
 Contingencies &c 76 12 "
 Total Rupees 1620 " "

Grand Total Est. Rupees 20950 " "

90-1587-5-6-75

No. 33

ARCHITECT'S OFFICE,
 Shepauk Royapettah, 6 May 1875.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE Secretary to
 Government P. W. A.

SIR,

I have the honor to acknowledge
 the receipt of your letter dated the 5th
 and to inform you that the estimates
 in question were despatched to your
 Office yesterday morning the 5th.

I have the honor to be

Sir

Your most Obedt. Servant

N. Krishnan

Consultg Archt to Govt.

District Engineers Office
Madras 17 April 1875

No 219

From

Lieutenant Colonel J. F. Fischer R.E.
District Engineer Madras

To

Colonel G. W. Walker R.E.

Secretary to Government P.W.D.
Madras.

Sir,

As directed in G.O. No. 994 of the 13th Instant, I have the honor to report that the work of securing the roof has not as yet been completed, but it has been carried out so far as the Budget allotments for 1874-75 would allow of fully.

An Estimate for this service will be submitted on Mr. Chisholm's visit to Madras.

I have the honor to be
Sir

Your most Obedt. Servt.
Wm. Fischer
District Engineer Madras

P.W. 1875 Del.

From

No: 3007

Mr. J. F. Fischer R.E.
to Government.

For

the Secretary to
Govt. P.W.D.

Dated 6th May 1875
Received 7th May 1875

Estimates & Plan

for Madras.

No. 1875-5-6. 25

12-132

with 6 & 12-132

No 628. V 4

N^o Fort St George 3rd May 1875.

The following Memo is forwarded to the Chief Engineer, — Department Public Works, with reference to his Memo N^o 440 of the 22nd April 75.

Lowry Gordon

Controller of P.W. Accounts.

Memo of expenditure against the allotment of Rs 10,000 for Terumal Naick's Palace at Madurai - vide item N^o 80 of the Provincial Budget for 1874-75.

	Expenditure up to 31 st March 1875		
Iron ties	95	13	5
Lightning Conductor	60	9	4
Superintendence	16	9	7
Deputy Collector's Office	65	10	11
Octagon Dome	58	5	0
Collector's lutcherry	374	8	11
Materials at site	122	14	11
	10,212	6	9

Deduct the amount spent in 1873-74 on the new Rocket Court and erroneously debited to the Palace works now refunded 4 1 .
Net expenditure during 1874-75 on the restoration of Terumal Naick's Palace 10,208 5 9

Dr. A. C. C. - 18-11-1875
- 994-8-13-11-1875

Dr. 15-7-1875
of 19-10-1875
The District Engineer
Boussim

The Secretary to the
Government
Madurai

Order 17
Order 19
Order 21

Dr. C. C. C. - 18-11-1875
- 994-8-13-11-1875

Report that the cost

of securing the roof in the

Palace has been passed

out to the 1874-75

amount of 1074-75

order 1587-5-6-75

133

Mr. 18/5 Sept
No 2975
No. 6. 28.
From

The Controller of
P.W. Accounts
The Chief Engineer
P.W. Department
Fort St George

Dated 3rd May 1875
Rec 2. 5th

Forwarding a Memo
of Expenditure against
the allotment of Rs
10,000 for Terunul
Naick's Palace at
Madura.

El. No. 1587. 5-6-75.

K134

75 Recd.
Sent to the
to Caus. Bldg.
Office
21/10/75
Consulting Architects Office
1st October 1875
The Chief Assistant
Govt Sect. P.W.D.

Sir,

Please forward me with
the Estimate submitted to
Govt. with Consulting Archts.
letter No. 30 dated 16 May 1875.
They will be returned
tomorrow.

I am Sir
Yours faithfully
* Primal Naicks
Palace, Madura. S. S. S.

Lyman
8.5.75

Ind
21.5

15171

In the Secretary's notes
regarding expenditure on
Lezroomal Naich's Palace
Dft G.O. sent up 20th Inst
mention is made somewhat
to the effect "Surely something
was spent on the Judges Court"
to make sure undesignated notes
to (archt)' office set them out
that nothing was expended
there until after the Dft
G.O.
JMC 22/5/75

P. B. Rept
Proceedings of the Madras Government.

Read the following:-

From the Lez Architect
to Govt } (N.S. No. 30 d/16 May 1875)
do do do } H.E. No. 33 d/8th May 1875
D.C. Madras } H.E. No. 219 d/17th April 1875
Controller P.W.D. } H.E. No. 628 d/3rd May 1875
G.O. No. 1537 d/5th June 1875

With the above letter
2039 d/17th May 1875
the Lez Architect

submit certain estimates
the completion of all
for works in connection with
Lezroomal Naich's Palace
with the exception of restoring
and decorating those portions
of this ancient pile which
are not adjacent to the main
building; and for which latter
estimates will hereafter be
submitted.

2. The works included
in the above estimates at

a total cost of 87000 Rupees
Comprise the following

Works	Amount of Rupees estimated	Date of Sanction	Amount of Rupees estimated	Amount of Rupees estimated	Balance to be pro- vided
<u>Serumalay Nair's Palace</u> <u>at Madura</u>					
Collectors Catching including materials at site	7956	G.O. No. 11964/25-4-73	13570	5301	8269
Pen Box for the Collectors		"	51		51
Bois for do		"	330		330
Wooden platform for the Bois		"	185		185
Iron strong room for the Treasury		"	1933		1933
Deputy Collectors Office	2400	G.O. No. 11944/25-4-73	3236	2244	992
Restoring Betagad House		"	4507	3887	620
Front verandah to do		"	2740	2680	60
Salug Catching	1920	G.O. No. 11944/25-4-73	6110		6110
Range Office		"	2970	2708	262
Restoration near Otero room	2280	G.O. No. 11944/25-4-73	2000	1007	1722
Salug Overseers Office		"	835	497	38
Re-mantling old Racquet Court	150	G.O. No. 26264/28-10-73	93	40	53
District Munsiff's Court		"	2790		2790
Fixing 2 lighting Conductors	535	G.O. No. 7064/2-7-73	1330	849	487
Site of Racquet for Records		"	1620		1620
			50950	18484	32466
Securing Infrastructure with iron ties	6900	G.O. No. 11944/25-4-73	12040	10123	1917
Accommodating the Civil and Revenue Courts		"	24010		24010
	22461		87000	28607	58393

Deducting the dispenditure
already incurred on the above
works a sum of Rs 58393

will

will have to be provided.
3. The Honorable
the Governor in Council
sanctions the above estimate
and will await the
further estimate called
for in G.O. No. 444 dated
16th February 1875.

4. The first of the
items given in para 5
of Mr. Chisholm's letter
for completing the iron
ties is approved of for
immediate execution,
and Government having
in G.O. No. 1118 dated
20th April 1875 directed
the work in connection
with the Racquet Court
to be carried out with

The

the allotments of funds made for the Palace, the grant of 10,000 Rs for the current year will to a great extent be absorbed.

In 1876-77 a sum of Rs 17,250 will become available from Post Office Funds under G.O. No 1186 dated 29th April, in addition to the annual allotment of Rs 10,000.

It will then be considered whether arrangements can be made for the active prosecution of the work under special supervision.

The additional amount required for the Railings

Railings appears to call for further and more particular explanation, and the submission of original papers bearing on any agreements which may have been entered into with Monsieur De Closets.

John

Conspectus to part V with 1 Estimate of Rs 50950 - vide C No 6356 - 7-10-75
D. E. - Muzumdar with 3 Abstract Estimates - 26.6.75
C. H. M. & Co.

S C Repd - 21-6-75

29065
3507
25976
Govt. of Madras.
PUBLIC WORKS.

To

The Engineer-in-Chief
of Public Works.

Dated

ccd.

Encl.

G. O. S. No. 1587

Nos. 131-135

For the Engineer-in-Chief,
Madras. — Sanctioning
the revised estimate of
Rs. 74,000 for the completion
of the works in connection
with the provision of
water.