(1) Number of pages 46

(2) Date of repair 8-87

(3) Initials of the Referencer

# TAMIL NADU ARCHIVES

## GOVERNMENT OF TAMIL NADU

P.W. DEPARTMENT

| | | |
|---|---|---|
| G.O. No. / B.P. No. | 718 W | Press. / Mis. |
| Dated | 23.3.1885 | ~~198~~ |

D.9

*Not to be folded or roughly handled.*

Archives — I 10,006-9 89

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

No. 720 T.C.

Report by the Superintending Engineer, VI Circle, on the estimate for constructing a sub-registrar's office at Manapárai, Kulitalai taluk, Trichinopoly district, Rs. 2,090.

The estimate is called for in G.O. No. 3006 W., of 8th December 1884, and prepared in accordance with the standard design (sheet No. 21, terraced building) approved of in G.O., No. 120 W., of 14th January 1882.

2. The only deviation made in the estimate is the substitution of cement concrete for brick flooring. The description of the door and windows of the record-room is also altered as per suggestions made in the Inspector-General of Registration's letter recorded in G.O., No. 362, of 9th March 1884.

3. The site has been selected in communication with the sub-registrar and approved of by the Collector. The soil of site is stated to be gravel, and the undersigned considers that the foundation, 3 feet deep masonry, allowed in the estimate is sufficient. As the land belongs to Government, no compensation is required.

4. The rates are fair and the estimate is recommended for sanction.

5. The work will be completed within nine months from the date of sanction and allotment of funds.

Trichinopoly,
7th March 1885.

(Signed) H. R. MEAD, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

---

Endorsement on the above.

No. 1195 G.

Submitted for the sanction of Government.

Madras,
10th March 1885.

(Signed) G. HAMNETT,
Inspector-General of Registration.

---

No. 627, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

16th March 1885.

(Signed) H. A. STUART,
Acting Assistant Secretary.

Order—dated 23rd March 1885, No. 718 W., Public Works.

The estimate, amounting to Rs. 2,090, for constructing a sub-registrar's office at Manapárai, in the Trichinopoly district, is sanctioned.

2. This sanction has been registered as Provincial No. 282 W. of 1884-85, and classified as Civil Buildings, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with four enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of {1885} Madras.

PUBLIC WORKS.

*Dated March*, 23*rd*.

*Read.* *Encl.*

**G.O., 23rd March 1885, No. 718 W.**

**MARCH.**

**Sub-Registrar's Office at Manaparai.**

Estimate, amounting to Rs. 2,090, for constructing a —, Trichinopoly district, sanctioned.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

**Buildings and Roads.**
**Civil Works.**

READ—the following letter from G. HAMNETT, Esq., Inspector-General of Registration, to the Chief Secretary to Government, dated Madras, 1st December 1884, No. 2036 G.:—

When I inspected the sub-registrar's office at Manapárai in the Trichinopoly district on the 27th July 1883 I remarked as follows:—

"The office was last inspected by Mr. Ramiengar in February 1878. It is held in a room * 8 feet by 12 feet. There are two almirahs, two tables, two chairs, a bench and a box in the room. There is no space for parties, and it is said that very great inconvenience is experienced from the want of accommodation. A new office is required."

* As shown in plan 9′ × 15′.

2. The registrar has submitted several proposals for enlarging the accommodation; the final proposal is to erect a record-room, as shown in red on the enclosed plan, at a cost of Rs. 450.

3. The addition of the record-room would be to the taluk cutcherry, from which the sub-registrar may, any day, be required to turn out. I have therefore the honor to request that you will be pleased to obtain the sanction of the Government for the preparation, by the Public Works Department, of plan and estimate for a new office building on the standard terraced design.

No. 2703, Judicial.

Approved and transferred to the Public Works Department.

(By Order.)

5th December 1884. (Signed) M. HAMMICK,
Ag. Asst. Secy. to Govt.

ORDER—dated 8th December 1884, No. 3006 W., Public Works.

Communicated to the Superintending Engineer, VI Circle, for submission of the requisite estimate.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with one enclosure.
Judicial Department.

Exd. C. Howarth.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of [1884] Madras.

PUBLIC WORKS.

*Dated December, 8th.*

*Read.* *Encl.*

**G.O., 8th Dec. 1884, No. 3006 W.**

**DECEMBER.**

**Sub-Registry Office at Manapa[illegible]**

The Superintending Engineer, VI Circle, asked to submit the requisite estimate for a new — in the Trichinopoly district.

ESTIMATE of the Cost of constructing a Sub-Registrar's Office with terraced roofing according to Standard Design, Sheet No. 21, signed by the Officiating Consulting Architect to Government on 16th September 1881.

*Detailed Quantities.*

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Excavation for Foundations.* | | | | | | |
| Outer walls ... ... ... ... | ... | 99 0 | 4 6 | 4 6 | 2,005 | |
| Partition ... ... ... ... | ... | 21 0 | 3 8 | 4 6 | 347 | |
| Verandah walls ... ... ... | ... | 35 9 | 3 6 | 4 6 | 563 | |
| Steps ... ... ... ... | ... | 13 0 | 3 0 | 1 0 | 39 | |
| Cubic feet ... | ... | ... | ... | ... | 2,954 | |
| *Earth-filling in Basement.* | | | | | | |
| Rooms ... ... ... ... ... | ... | 24 0 | 21 0 | 1 6 | 756 | |
| Platform ... ... ... ... | ... | 12 0 | 8 6 | 1 0 | 102 | |
| Verandah ... ... ... ... | ... | 25 9 | 5 1½ | 1 6 | 198 | |
| Cubic feet ... | ... | ... | ... | ... | 1,056 | |
| *Concrete.* | | | | | | |
| Outer walls ... ... ... ... | ... | 99 0 | 3 6 | 1 0 | 347 | |
| Partition ... ... ... ... | ... | 22 0 | 2 8 | 1 0 | 59 | |
| Verandah walls ... ... ... | ... | 36 9 | 2 6 | 1 0 | 92 | |
| Steps ... ... ... ... | ... | 13 0 | 3 0 | 1 0 | 39 | |
| Cubic feet ... | ... | ... | ... | ... | 537 | |
| *Brickwork in Foundations.* | | | | | | |
| Footing course— | | | | | | |
| Outer walls ... ... ... | ... | 99 0 | 2 8 | 1 6 | 396 | |
| Partition ... ... ... | ... | 22 10 | 1 10 | 1 6 | 63 | |
| Verandah wall ... ... ... | ... | 37 7 | 1 6 | 1 6 | 85 | |
| Above footing to ground level— | | | | | | |
| Outer wall ... ... ... | ... | 99 0 | 2 3 | 2 0 | 445 | |
| Partition ... ... ... ... | ... | 23 3 | 1 6 | 2 0 | 70 | |
| Verandah wall ... ... ... | ... | 38 0 | 1 0 | 2 0 | 76 | |
| Cubic feet ... | ... | ... | ... | ... | 1,135 | |
| *Brickwork in Basement.* | | | | | | |
| Outer walls ... ... ... ... | ... | 99 0 | 2 3 | 2 0 | 446 | |
| Partition ... ... ... ... | ... | 23 3 | 1 6 | 2 0 | 70 | |
| Verandah wall ... ... ... | ... | 38 0 | 1 0 | 2 0 | 76 | |
| Steps ... ... ... ... ... | ... | 13 0 | 3 0 | 0 6 | 20 | |
| Do. ... ... ... ... ... | ... | 11 0 | 2 0 | 0 6 | 11 | |
| Do. ... ... ... ... ... | ... | 9 0 | 1 0 | 0 6 | 5 | |
| | | | | | 628 | |
| [illegible]stone in steps and under posts as per details ... ... ... | ... | ... | ... | ... | 29 | |
| Cubic feet ... | ... | ... | ... | ... | 599 | |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Brickwork in Superstructure.* | | | | | | |
| Outer walls | | 99 0 | 1 6 | 12 0 | 2,214 | |
| Partition | | 24 0 | 1 6 | 12 0 | | |
| Parapet | | 101 0 | 1 0 | 0 6 | 51 | |
| Do. | | 100 0 | 0 9 | 1 0 | 75 | |
| Do. | | 101 0 | 1 0 | 0 4 | 34 | |
| Binding wall | | 25 0 | 1 6 | 0 9 | 28 | |
| | | | | | | 2,402 |
| Deductions— | | | | | | |
| Doors | 2 | 4 0 | 1 6 | 8 0 | 96 | |
| Windows | 9 | 3 6 | 1 6 | 5 0 | 236 | |
| Archwork as per details | | | | | 45 | |
| | | | | | | 377 |
| Cubic feet | | | | | | 2,025 |
| *Archwork.* | | | | | | |
| Segmental arch over doors | 2 | 5 3 | 1 6 | 1 0 | 16 | |
| Do. do. windows | 4 | 4 9 | 1 6 | 1 0 | 29 | |
| Cubic feet | | | | | 45 | |
| *Cut-stone work under Posts and in Steps.* | | | | | | |
| Under posts | 4 | 1 6 | 1 6 | 0 6 | 5 | |
| Steps | | 39 0 | 1 3 | 0 6 | 24 | |
| Cubic feet | | | | | 29 | |
| *Teakwood.* | | | | | | |
| Clerks and Registrar's room joists | 17 | 15 6 | 0 3 | 0 7½ | 41 | |
| Record-room joists | 17 | 12 6 | 0 3 | 0 6 | 39 | |
| Small joists under coping at sides | 32 | 2 7½ | 0 3 | 0 6 | | |
| Do. do. at angles | 4 | 3 6 | 0 3 | 0 6 | | |
| Waling pieces | 2 | 28 0 | 0 2 | 0 6 | 10 | |
| Do. | 2 | 29 6 | 0 2 | 0 6 | | |
| Verandah posts | 4 | 0 5 | 0 5 | 7 4½ | 5 | |
| Do. breastsummers | 3 | 9 1½ | 0 5 | 0 7½ | 7 | |
| Do. brackets | 6 | 1 1 | 0 3 | 1 1 | 2 | |
| Do. rafters | 19 | 8 0 | 0 2½ | 0 3½ | 9 | |
| Do. wall-plate | 1 | 27 0 | 0 3 | 0 5 | 3 | |
| Do. eave board | | 27 0 | 0 4 | 0 ¾ | 1 | |
| Cubic feet | | | | | 117 | |
| *Wrought-iron Work.* | | | | | | |
| ¾″ diameter bolts to secure wall-plates. | 6 | 1 9= | 10 6 | × 1·47 | 15·43 | |
| ¾″ hex. nuts and bolt heads for do. | 6 | | | × ·43 | 2·58 | |
| ¾″ × 3″ × ⅛″ washers for do. | 6 | | | × ·31 | 1·86 | |
| lb. | | | | | 19·87 | |
| Say lb. | | | | | | 20 |
| *Venetian and panel doors with frames* | 2 | 4 0 | | 8 0 | 64 | Sq. feet. |
| *Venetian windows with frames* | 4 | 3 6 | | 5 0 | 70 | Do. |



*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Windows with glazed shutters and frames with ¾″ square iron bars for Record-room.* | 5 | 3 6 | | 5 0 | 88 | Sq. feet. |
| *Terrace roofing* | | 30 0 | | 28 6 | 855 | Do. |
| Squares | | | | | | 8·55 |
| *Slope terracing for verandah* | | 27 0 | | 8 0 | 216 | Sq. feet. |
| Squares | | | | | | 2·16 |
| *Flooring with 8-inch square bricks over a levelling course.* | | | | | | |
| Clerks and Registrar's room | | 24 0 | | 12 0 | 288 | |
| Record-room | | 24 0 | | 9 0 | 216 | |
| Verandah | | 27 9 | | 6 6 | 180 | |
| Door pieces | 2 | 4 0 | | 1 6 | 12 | |
| | | | | | 696 | |
| Deduct stones under posts | 4 | 1 6 | | 1 6 | 9 | |
| Square feet | | | | | 687 | |
| Squares | | | | | | 6·87 |
| *Plastering with two coats.* | | | | | | |
| Interior— | | | | | | |
| Clerks and Registrar's room | | 72 0 | | 12 0 | 864 | |
| Record-room | | 66 0 | | 12 0 | 792 | |
| Exterior— | | | | | | |
| Basement all round | | 120 3 | | 2 4½ | 286 | |
| Superstructure | | 105 0 | | 12 0 | 1,260 | |
| Parapet | | 101 0 | | 5 0 | 505 | |
| Binding wall | | 25 0 | | 3 0 | 75 | |
| Door jambs | 2 | 20 0 | | 1 6 | 60 | |
| Window jambs | 4 | 17 0 | | 1 6 | 102 | |
| Do. | 5 | 13 6 | | 1 6 | 101 | |
| | | | | | | 4,045 |
| *Deductions.* | | | | | | |
| Doorways 2 × | 2 | 4 0 | | 8 0 | 128 | |
| Windows 2 × | 9 | 3 6 | | 5 0 | 315 | |
| | | | | | | 443 |
| Square feet | | | | | | 3,602 |
| Squares | | | | | | 36·02 |
| *Plaster cornice exterior.* | | | | | | |
| Ends of terrace | Lineal feet. | | | | 114 | |
| *Wooden railing for Clerks' room* | L. ft. | | | | 12 | |
| *Painting doors, windows and exposed woodwork with three coats of Carson's paint.* | | | | | | |
| Venetian and panel-doors | 3 | 64 0 | | | 192 | |
| Do. windows | 3 | 70 0 | | | 210 | |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Painting doors, windows and exposed woodwork with three coats of Carson's paint*—cont. | | | | | | |
| Glazed windows with iron bars ... | 2 | 88 0 | ... | ... | 176 | |
| Waling pieces ... ... ... ... | ... | 115 0 | ... | 1 2 | 134 | |
| Verandah posts ... ... ... ... | 4 | 1 8 | ... | 7 4½ | 49 | |
| Brackets ... ... ... ... | 6 | 1 0 | ... | 1 0 | 6 | |
| Eaves board ... ... ... ... | ... | 27 0 | ... | 0 8 | 18 | |
| Square feet ... | ... | ... | ... | ... | 785 | |
| Squares ... | ... | ... | ... | ... | ... | 7·85 |
| *Wood-oiling three coats.* | | | | | | |
| Railing ... ... ... ... ... | 2 | 12 0 | ... | 3 0 | 72 | |
| Joists ... ... ... ... ... | 17 | 15 6 | ... | 1 6 | 395 | |
| Do. ... ... ... ... ... | 17 | 12 6 | ... | 1 3 | 266 | |
| Do. ... ... ... ... ... | 32 | 2 7½ | ... | 1 2 | 114 | |
| Breastsummers ... ... ... ... | 4 | 3 6 | ... | 1 2 | 45 | |
| Rafters ... ... ... ... ... | ... | 27 0 | ... | 1 8 | 120 | |
| Wall-plate ... ... ... ... | 19 | 8 0 | ... | 0 9½ | 18 | |
| | ... | 27 0 | ... | 0 8 | | |
| Square feet ... | ... | ... | ... | ... | 1,030 | |
| Squares ... | ... | ... | ... | ... | ... | 10·30 |

ABSTRACT.

| Quantity. | Item. | Rate. | Per | Amount. |
|---|---|---|---|---|
| | | RS. A. P. | | RS. A. P. |
| 2,954 C. feet. | Excavation for foundations ... | ... | 1,000 C. feet. | ... |
| 1,056 ,, | Earth-filling in basement ... | ... | ,, | ... |
| 537 ,, | Concrete ... ... ... ... | ... | 100 ,, | ... |
| 1,135 ,, | Brickwork in foundations ... | ... | ,, | ... |
| 599 ,, | Do. in basement ... ... | ... | ,, | ... |
| 2,025 ,, | Do. in superstructure ... | ... | ,, | ... |
| 45 ,, | Archwork ... ... ... ... | ... | ,, | ... |
| 29 ,, | Cut-stone work ... ... ... | ... | C. foot. | ... |
| 117 ,, | Teakwood wrought and put up ... | ... | ,, | ... |
| 20 lb. | Wrought-iron work ... ... | ... | lb. | ... |
| 64 S. feet. | Venetian and panel doors with frames. | ... | S. foot. | ... |
| 70 ,, | Venetian windows with frames ... | ... | ,, | ... |
| 88 ,, | Glazed windows with frames and iron bars for Record-room. | ... | ,, | ... |
| 8·55 Squares. | Terrace roofing ... ... ... | ... | Square. | ... |
| 2·16 ,, | Slope terracing ... ... ... | ... | ,, | ... |
| 6·87 ,, | Flooring with 8-inch square bricks. | ... | ,, | ... |
| 36·02 ,, | Plastering with two coats... | ... | ,, | ... |
| 114 L. feet. | Plaster cornice exterior ... | ... | ,, | ... |
| 12 ,, | Wooden railing ... ... ... | ... | L. foot. | ... |
| 7·85 Squares. | Painting doors and windows and other exposed woodwork with three coats of Carson's oak color. | ... | Square. | ... |



ABSTRACT—*cont.*

| Quantity. | Item. | Rate. | Per. | Amount. |
|---|---|---|---|---|
| | | RS. A. P. | | RS. A. P. |
| 0·30 Squares. | Wood-oiling roof timbers, &c., with three coats. | ... | Square. | ... |
| | Contingencies at 5 per cent. ... | ... | ... | ... |
| | Total ... | ... | ... | ... |

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Registrar's Office with terraced roofing according to Standard Design, Sheet No. 19, signed by the Officiating Consulting Architect to Government on 16th September 1881.

*Detailed Quantities.*

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Excavation for Foundations.* | | | | | | |
| Outer walls | | 149 0 | 4 6 | 4 6 | 3,017 | |
| Partition | | 27 0 | 3 8 | 4 6 | 446 | |
| Verandah walls | | 44 9 | 3 6 | 4 6 | 705 | |
| Steps | | 15 0 | 3 0 | 1 0 | 45 | |
| Cubic feet | | | | | 4,213 | |
| *Earth-filling in Basement.* | | | | | | |
| Rooms | | 30 0 | 40 0 | 1 6 | 1,800 | |
| Platform | | 11 6 | 20 0 | 1 0 | 230 | |
| Verandah | | 31 9 | 7 0 | 1 6 | 333 | |
| Cubic feet | | | | | 2,363 | |
| Concrete— | | | | | | |
| Outer walls | | 149 0 | 3 6 | 1 0 | 522 | |
| Partition | | 28 0 | 2 8 | 1 0 | 75 | |
| Verandah walls | | 45 9 | 2 6 | 1 0 | 114 | |
| Steps | | 15 0 | 3 0 | 1 0 | 45 | |
| Cubic feet | | | | | 756 | |
| *Brickwork in Foundations.* | | | | | | |
| Footing course— | | | | | | |
| Outer walls | | 149 0 | 2 8 | 1 6 | 596 | |
| Partition | | 28 10 | 1 10 | 1 6 | 79 | |
| Verandah walls | | 46 7 | 1 6 | 1 6 | 105 | |
| Above footing to ground level— | | | | | | |
| Outer walls | | 149 0 | 2 3 | 2 0 | 671 | |
| Partition | | 29 3 | 1 6 | 2 0 | 88 | |
| Verandah walls | | 47 0 | 1 0 | 2 0 | 94 | |
| Cubic feet | | | | | 1,633 | |
| *Brickwork in Basement.* | | | | | | |
| Outer walls | | 149 0 | 2 3 | 2 0 | 671 | |
| Partition | | 29 3 | 1 6 | 2 0 | 88 | |
| Verandah walls | | 47 0 | 1 0 | 2 0 | 94 | |
| Steps | | 15 0 | 3 0 | 0 6 | 23 | |
| Do. | | 13 0 | 2 0 | 0 6 | 13 | |
| Do. | | 11 0 | 1 0 | 0 6 | 6 | |
| | | | | | 895 | |
| Deduct stone in steps and under posts as per details. | | | | | 33 | |
| Cubic feet | | | | | 862 | |



*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Brickwork in Superstructure.* | | | | | | |
| Outer walls | | 149 0 | 1 6 | 14 0 | 3,759 | |
| Partition | | 30 0 | 1 6 | 14 0 | | |
| Corbels | 8 | 1 0 | 0 6 | 1 6 | 6 | |
| Parapet | | 151 0 | 1 0 | 0 6 | 76 | |
| Do. | | 150 0 | 0 9 | 1 0 | 113 | |
| Do. | | 151 0 | 1 0 | 0 4 | 50 | |
| Binding wall | | 31 0 | 1 6 | 0 9 | 35 | |
| | | | | | | 4,039 |
| Deductions— | | | | | | |
| Doors | 2 | 4 0 | 1 6 | 8 0 | 96 | |
| Windows | 13 | 3 6 | 1 6 | 5 0 | 341 | |
| Ventilators | 7 | 3 6 | 1 6 | 2 3 | 83 | |
| Arch work as per details | | | | | 59 | |
| | | | | | | 579 |
| Cubic feet | | | | | | 3,460 |
| *Arch work.* | | | | | | |
| Segmental arches over doors | 2 | 5 3 | 1 6 | 1 0 | 59 | C. feet. |
| Do. windows | 6 | 4 9 | 1 6 | 1 0 | | |
| *Cut-stone work.* | | | | | | |
| Under posts | 4 | 1 6 | 1 6 | 0 6 | 5 | |
| Steps | | 45 9 | 1 3 | 0 6 | 28 | |
| Slabs under beams | 2 | 3 0 | 2 0 | 0 4 | 4 | |
| Do. | 4 | 2 0 | 2 0 | 0 4 | 5 | |
| Cubic feet | | | | | 42 | |
| *Teak-wood.* | | | | | | |
| Beams | 4 | 22 3 | 0 10 | 1 5 | 105 | |
| Joists | 56 | 12 3 | 0 3 | 0 6 | | |
| Do. | 28 | 10 9 | 0 3 | 0 6 | 139 | |
| Do. small under coping | 42 | 2 7½ | 0 3 | 0 6 | | |
| Do. angle do. | 4 | 3 6 | 0 3 | 0 6 | | |
| Waling pieces | 2 | 35 3 | 0 2 | 0 6 | 14 | |
| Do. | 2 | 47 0 | 0 2 | 0 6 | | |
| Verandah posts | 4 | 0 6 | 0 6 | 7 4½ | 7 | |
| Do. breastsummers | 3 | 11 0 | 0 6 | 0 9 | 12 | |
| Do. brackets | 6 | 1 1 | 0 3 | 1 1 | 2 | |
| Do. rafters | 23 | 9 9 | 0 3 | 0 4 | 19 | |
| Do. wall-plate | | 33 0 | 0 3½ | 0 5 | 4 | |
| Do. eave board | | 33 0 | 0 ¾ | 0 6 | 1 | |
| Cubic feet | | | | | 303 | |
| *Wrought-iron work.* | | | | | | |
| ⅜" bolts to secure verandah wall-plate. | 6 | 1 9 | =10 6 | ×1·47 | 15·43 | |
| ⅜" hex. nuts and heads | 6 | | | ×·43 | 2·58 | |
| 3" × 3" ⅛" washers | 6 | | | ×·31 | 1·86 | |
| lb | | | | | 19·87 | |
| Say lb. | | | | | | 20 |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Venetian and panel doors with frames* ... | 2 | 4 0 | ... | 8 0 | 64 | Sq. feet. |
| *Venetian windows with frames* ... ... | 6 | 3 6 | ... | 5 0 | 105 | Do. |
| *Windows with glazed shutters and frames and $\frac{3}{4}$" square iron bars for Record-room.* | 7 | 3 6 | ... | 5 0 | 123 | Do. |
| *Glazed ventilators* ... ... ... | 7 | 3 6 | ... | 2 3 | 55 | Do. |
| *Terrace roofing* ... ... ... ... | ... | 36 0 | ... | 47 6 | 1,710 | Do. |
| Squares ... | ... | ... | ... | ... | ... | 17·10 |
| *Slope terrace for verandah* ... ... | ... | 33 0 | ... | 9 9 | 322 | Sq. feet. |
| Squares ... | ... | ... | ... | ... | ... | 3·22 |
| *Flooring with 8-inch square bricks.* | | | | | | |
| Rooms ... ... ... ... ... | ... | 40 0 | ... | 30 0 | 1,200 | |
| Verandah ... ... ... ... ... | ... | 33 9 | ... | 8 0 | 270 | |
| Door pieces ... ... ... ... | 2 | 4 0 | ... | 1 6 | 12 | |
| | | | | | 1,482 | |
| Deduct stones under posts ... ... | 4 | 1 6 | ... | 1 6 | 9 | |
| | | | | | 1,473 | |
| Square feet ... | ... | ... | ... | ... | ... | 14·73 |
| Squares ... | ... | ... | ... | ... | ... | |
| *Plastering with two coats.* | | | | | | |
| Interior ... ... ... ... ... | ... | ... | ... | 14 0 | 2,800 | |
| Rooms ... ... ... ... ... | 2 | 100 0 | ... | ... | ... | |
| Exterior ... ... ... ... ... | ... | ... | ... | ... | ... | |
| Basement all round ... ... ... | ... | 173 3 | ... | 2 4½ | 411 | |
| Superstructure ... ... ... ... | ... | 155 0 | ... | 14 0 | 2,170 | |
| Parapet ... ... ... ... ... | ... | 151 0 | ... | 5 0 | 755 | |
| Binding wall ... ... ... ... | ... | 31 0 | ... | 3 0 | 93 | |
| Door jambs ... ... ... ... | 2 | 20 0 | ... | 1 6 | 60 | |
| Window do. ... ... ... ... | 6 | 17 0 | ... | 1 6 | 153 | |
| Do. do. ... ... ... ... | 7 | 13 6 | ... | 1 6 | 142 | |
| Ventilator do. ... ... ... ... | 7 | 8 0 | ... | 1 6 | 84 | |
| | | | | | | 6,668 |
| Deductions— | | | | | | |
| Doorways ... ... ... 2 × | 2 | 4 0 | ... | 8 0 | 128 | |
| Windows ... ... ... 2 × | 13 | 3 6 | ... | 5 0 | 455 | |
| Ventilators ... ... ... 2 × | 7 | 3 6 | ... | 2 3 | 110 | |
| | | | | | | 693 |
| Square feet ... | ... | ... | ... | ... | ... | 5,975 |
| Squares... | ... | ... | ... | ... | ... | 59·75 |
| *Plaster cornice at ends of terrace*...L. feet. | ... | ... | ... | ... | 166 | |
| *Wooden railing for Clerk's room*...L. feet. | ... | ... | ... | ... | 20 | |



*Detailed Quantities.*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.* | | | | | | |
| Venetian and panel doors ... ... | 3 | 64 0 | ... | ... | 192 | |
| Do. windows ... ... ... | 3 | 105 0 | ... | ... | 315 | |
| Glazed windows with iron bars ... | 2 | 123 0 | ... | ... | 246 | |
| Do. ventilators ... ... ... | 1 | 55 0 | ... | ... | 55 | |
| Waling pieces ... ... ... ... | ... | 164 6 | ... | 1 2 | 192 | |
| Verandah posts... ... ... ... | 4 | 2 0 | ... | 7 4½ | 59 | |
| Do. brackets. ... ... ... | 6 | 1 0 | ... | 1 0 | 6 | |
| Eave Board ... ... ... ... | 0 | 33 0 | ... | 1 0 | 33 | |
| | | | | | 1,098 | |
| Square feet ... | ... | ... | ... | ... | | |
| Squares ... | ... | ... | ... | ... | ... | 10·98 |
| *Wood-oiling, three coats.* | | | | | | |
| Railing ... ... ... ... ... | 2 | 20 0 | ... | 3 0 | 120 | |
| Beams ... ... ... ... ... | 4 | 23 0 | ... | 3 8 | 337 | |
| Joists ... ... ... ... ... | 56 | 12 3 | ... | 1 3 | 1,234 | |
| Do. ... ... ... ... ... | 28 | 10 9 | ... | 1 3 | | |
| Do. ... ... ... ... ... | 42 | 2 7½ | ... | 1 2 | 145 | |
| Do. ... ... ... ... ... | 4 | 3 6 | ... | 1 2 | | |
| Do. ... ... ... ... ... | 3 | 11 0 | ... | 2 0 | 66 | |
| Breastsummers ... ... ... ... | 23 | 9 9 | ... | 0 11 | 206 | |
| Rafters ... ... ... ... | ... | 33 0 | ... | 1 1½ | 37 | |
| Wall-plate ... ... ... ... | ... | | | | | |
| | | | | | 2,145 | |
| Square feet ... | ... | ... | ... | ... | | |
| Squares ... | ... | ... | ... | ... | 21·45 | |

## ABSTRACT.

| Quantity. | Item. | Rate. | Per. | Amount. |
|---|---|---|---|---|
| | | RS. A. P. | | RS. A. P. |
| 4,213 C. feet ... | Excavation for foundations ... ... | ... | 1,000 C. feet. | ... |
| 2,363 „ ... | Earth-filling in basement ... ... | ... | „ | ... |
| 756 „ ... | Concrete ... ... ... ... | ... | 100 C. feet. | ... |
| 1,633 „ ... | Brickwork in foundations ... ... | ... | „ | ... |
| 862 „ ... | Do. in basement ... ... | ... | „ | ... |
| 3,460 „ ... | Do. in superstructure ... ... | ... | „ | ... |
| 59 „ ... | Archwork ... ... ... ... | ... | Cubic foot. | ... |
| 42 „ ... | Cut-stone work ... ... ... | ... | „ | ... |
| 303 „ ... | Teakwood wrought and put up ... | ... | lb. | ... |
| 20 lb. ... | Wrought-iron work ... ... ... | ... | Square foot. | ... |
| 64 S. feet ... | Venetian and panel doors with frames. | ... | „ | ... |
| 105 „ ... | Venetian windows with frames ... | ... | „ | ... |
| 123 „ ... | Glazed windows with frames and iron bars for Record-room ... ... | ... | „ | ... |
| 55 „ ... | Glazed ventilators ... ... .. | ... | „ | ... |
| 17·10 Squares. | Terrace roofing ... ... ... | ... | Square. | ... |
| 3·22 „ ... | Slope terrace ... ... ... ... | ... | „ | ... |
| 14·73 „ ... | Flooring with 8-inch square bricks ... | ... | „ | ... |
| 59·75 „ ... | Plastering with two coats ... ... | ... | „ | ... |
| 166 L. feet. | Plaster cornice, exterior ... ... | ... | L. foot. | ... |
| 20 ... | Wooden railing ... ... ... | ... | „ | ... |

ABSTRACT—*cont.*

| Quantity. | Item. | Rate. | Per. | Amount. |
|---|---|---|---|---|
| | | Rs. A. P. | | Rs. A. P. |
| 10·98 Squares. | Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint ... ... ... ... | ... | Square. | |
| 21·45 „ ... | Wood-oiling roof timbers, &c., with 3 coats .. ... ... ... | ... | „ | ... |
| | Contingencies at 5 per cent ... ... | ... | ... | ... |
| | Total ... | ... | ... | ... |

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM.
Consulting Architect to Government.



# DEPARTMENT PUBLIC WORKS.

## REGISTRAR'S AND SUB-REGISTRAR'S OFFICES WITH TERRACE ROOFING.

*Specification of works to be performed in executing the Standard Designs for Registrar's and Sub-Registrar's Offices according to Drawings, Sheets Nos.* 19 *and* 21, *signed by the Officiating Consulting Architect on* 16*th September* 1881.

### EXCAVATOR.

*Clearing site.*—Take down any existing building on the site, stacking such materials as it may be desirable to use again.

*Excavation.*—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations, and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

*Slips and Baling.*—If slips occur during the progress of the works, clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

*Ramming.*—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths well ram the bottom with heavy beaters for the after reception of the concrete.

### BRICKLAYER.

*Concrete.*—Lay over the full breadth of the trenches about nine inches of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about six inches. After the first layer has consolidated, lay a second and execute as before. The complete concrete should be about twelve inches thick.

*Brickwork.*—Mark off carefully the centre lines and lay off the thickness of the footing course according to the plan.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door and window frames, wood-bricks for railing, &c.

The walls will be two bricks thick, about eighteen inches.

*Splays.*—The openings will be splayed as shown on the plan.

*Arching.*—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

*Bond.*—The bond should be English if possible.

*Stones.*—Set the stones under the verandah posts, also those under the beams and fasten properly. All wood supplied by the carpenter.

### STONE MASON.

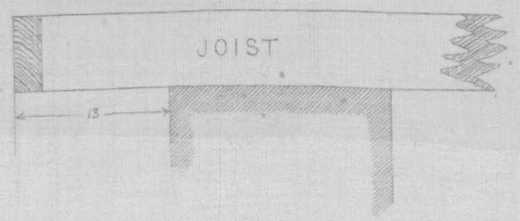
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

*Steps.*—Provide and dress two lines, the steps shown on the drawing, tailing each stone not less than three inches.

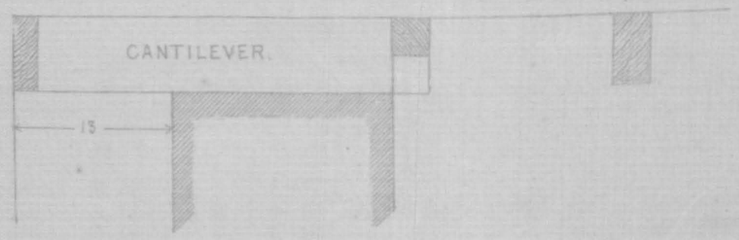
### CARPENTER.

NOTE.—*Vary this clause to suit Registrar's and Sub-Registrar's Offices.*—Supply beams ——— × ——— × ——— supply joists ——— × ——— × ——— supply doors, windows and ventilators as shown on the drawing neatly rebated and morticed in a workmanlike manner.

Halve the joists into the beam to the extent of half an inch. The longitudinal joists will project over the wall to the extent of about 13 inches including the waling piece.



small cantilevers will be arranged along the longitudinal walls halved under the joists nearest the wall thus—




Support all joists and beams during the execution of the terrace and slightly ease the wedges as the work progresses, allow the supports to remain for three weeks after the completion of the terrace.

TERRACE.

Lay over ordinary terrace brick in mortar and finish off in the particular method employed in the district, taking care to make proper slopes for drainage.

FLOORING.

After the surface has been brought up to the proper level lay an even floor of 8-inch square tiles, set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERER.

Plaster the whole of the interior and exterior with two coats of plaster (see Specification Standard Designs for Police Stations, dated 15th January 1881).

MATERIALS.

The bricks will be cast in a mould ——— inches × ——— inches × ——— inches well burnt and free from defects.
The timber will be well seasoned and free from defects.
The lime will be collected at ——— properly burnt and slaked.
The sand will be collected at ———.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.



ESTIMATE of the Cost of constructing a Sub-Registrar's Office with tiled roofing according to Standard Design, Sheet No. 22, signed by the Officiating Consulting Architect to Government on 16th September 1881.

*Detailed Quantities.*

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Excavation for Foundations.* | | | | | | |
| Outer walls | | 99 0 | 4 6 | 4 6 | 2,005 | |
| Partition | | 21 0 | 3 8 | 4 6 | 347 | |
| Verandah walls | | 35 9 | 3 6 | 4 6 | 563 | |
| Steps | | 13 0 | 3 0 | 1 0 | 39 | |
| Cubic feet | | | | | 2,954 | |
| *Earth-filling in Basement.* | | | | | | |
| Rooms | | 24 0 | 21 0 | 1 6 | 756 | |
| Platform | | 12 0 | 8 6 | 1 0 | 102 | |
| Verandah | | 25 9 | 5 1½ | 1 6 | 198 | |
| Cubic feet | | | | | 1,056 | |
| *Concrete.* | | | | | | |
| Outer walls | | 99 0 | 3 6 | 1 0 | 347 | |
| Partitions | | 22 0 | 2 8 | 1 0 | 59 | |
| Verandah walls | | 36 9 | 2 6 | 1 0 | 92 | |
| Steps | | 13 0 | 3 0 | 1 0 | 39 | |
| Cubic feet | | | | | 537 | |
| *Brickwork in Foundations.* | | | | | | |
| Footing course— | | | | | | |
| Outer walls | | 99 0 | 2 8 | 1 6 | 396 | |
| Partition | | 22 10 | 1 10 | 1 6 | 63 | |
| Verandah wall | | 37 7 | 1 6 | 1 6 | 85 | |
| Above footing to ground level— | | | | | | |
| Outer walls | | 99 0 | 2 3 | 2 0 | 445 | |
| Partition | | 23 3 | 1 6 | 2 0 | 70 | |
| Verandah wall | | 38 0 | 1 0 | 2 0 | 76 | |
| Cubic feet | | | | | 1,135 | |
| *Brickwork in Basement.* | | | | | | |
| Outer walls | | 99 0 | 2 3 | 2 0 | 446 | |
| Partition | | 23 3 | 1 6 | 2 0 | 70 | |
| Verandah wall | | 38 0 | 1 0 | 2 0 | 76 | |
| Steps | | 13 0 | 3 0 | 0 6 | 20 | |
| Do. | | 11 0 | 2 0 | 0 6 | 11 | |
| Do. | | 9 0 | 1 0 | 0 6 | 5 | |
| | | | | | 628 | |
| Deduct stone in steps and under posts as per details | | | | | 29 | |
| Cubic feet | | | | | 599 | |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Brickwork in Superstructure.* | | | | | | |
| Outer walls ... ... ... ... ... | | 99 0 | 1 6 | 12 0 | 2,214 | |
| Partition ... ... ... ... ... | | 24 0 | 1 6 | 12 0 | | |
| Gables ... ... ... ... ... | 3 | 27 0 | 1 6 | 4 6 | 547 | |
| Over gable ends ... ... ... ... | 2 | 33 0 | 1 6 | 0 9 | 74 | |
| Corbels ... ... ... ... ... | 12 | 1 0 | 0 6 | 1 6 | 9 | |
| Band over verandah roof ... ... | 1 | 27 0 | 0 3 | 0 9 | 5 | |
| | | | | | | 2,849 |
| *Deductions.* | | | | | | |
| Doorways ... ... ... ... | 2 | 4 0 | 1 6 | 8 0 | 96 | |
| Windows ... ... ... ... | 8 | 3 6 | 1 6 | 5 0 | 210 | |
| Gable ventilators ... ... ... | 8 | 1 3 | 1 3 | 1 6 | 19 | |
| Archwork as per details ... ... | ... | ... | ... | ... | 94 | |
| | | | | | | 419 |
| Cubic feet ... | ... | ... | ... | ... | ... | 2,430 |
| *Archwork.* | | | | | | |
| Segmental arches over doors ... ... | 2 | 5 3 | 1 6 | 1 0 | 94 | C. feet. |
| Do. windows ... ... | 6 | 4 9 | 1 6 | 1 0 | | |
| Semi-circle arch for gable ventilator ... ... ... ... | 2 | 11 9 | 1 6 | 1 0 | | |
| *Cut-stone work.* | | | | | | |
| Under posts ... ... ... ... | 4 | 1 6 | 1 6 | 0 6 | 5 | |
| Steps ... ... ... ... ... | ... | 39 0 | 1 3 | 0 6 | 24 | |
| Slabs under beams ... ... ... | 3 | 2 0 | 3 0 | 0 4 | 6 | |
| Do. ... ... ... | 6 | 2 0 | 2 0 | 0 4 | 8 | |
| Cubic feet ... | ... | ... | ... | ... | 43 | |
| *Teakwood.* | | | | | | |
| Clerks' room purlins and ridge ... | 3 | 14 0 | 0 5 | 0 9 | 23 | |
| Record-room do. ... ... | 3 | 11 0 | 0 5 | 0 9 | | |
| Wall-plates ... ... ... ... | 2 | 25 6 | 0 3 | 0 3 | 3 | |
| Rafters ... ... ... ... ... | 36 | 19 0 | 0 3 | 0 4 | 57 | |
| Struts ... ... ... ... ... | 36 | 2 6 | 0 3 | 0 3 | 6 | |
| Uprights (double) ... ... ... | 72 | 3 2 | 0 3½ | 0 1½ | 8 | |
| Eaves board ... ... ... ... | 2 | 27 0 | 0 ¾ | 0 5 | 1 | |
| Verandah posts ... ... ... ... | 4 | 6 6 | 0 5 | 0 5 | 4 | |
| Do. breaststummers ... ... | 3 | 9 1½ | 0 5 | 0 7½ | 7 | |
| Do. brackets ... ... ... | 6 | 1 1 | 0 3 | 1 1 | 2 | |
| Do. rafters ... ... ... | 19 | 9 1½ | 0 3 | 0 4 | 14 | |
| Do. wall-plates ... ... ... | 1 | 27 0 | 0 3 | 0 5 | 3 | |
| Do. eave board ... ... ... | 1 | 27 0 | 0 ¾ | 0 5 | 1 | |
| Cubic feet ... | ... | ... | ... | ... | 129 | |
| *Wrought-iron work.* | | | | | | |
| ¾" diameter bolts to secure verandah wall-plate ... ... ... | 6 | 1 9 = 10·5 × | | 1·47 = | 15·43 | |
| ¾" hex. nuts and bolt heads. ... | 6 | ... | ... × | ·43 = | 2·58 | |
| ¾" × 3" × ⅛" washers for do. ... | 6 | ... | ... × | ·31 = | 1·86 | |
| lb. ... | ... | ... | ... | ... | 19·87 | |
| Say lb. ... | ... | ... | ... | ... | ... | 20 |



*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Venetian and panel doors with frames* ... | 2 | 4 0 | ... | 8 0 | 64 | Sq. feet. |
| *Venetian windows with frames* ... ... | 4 | 3 6 | ... | 5 0 | 70 | Do. |
| *Glazed windows with frames and ¾" square iron bars for Record-room* ... | 4 | 3 6 | ... | 5 0 | 70 | Do. |
| *Glazed ventilators in gables* ... ... | 8 | 1 3 | ... | 1 3 | 12½ | Do. |
| *Tiled roofing.* | | | | | | |
| Over rooms ... ... ... ... | ... | 26 9 | ... | 39 0 | 1,043 | |
| Do. verandah ... ... ... ... | ... | 27 0 | ... | 9 1½ | 246 | |
| Square feet ... | ... | ... | ... | ... | 1,289 | |
| Squares ... | ... | ... | ... | ... | ... | 12·89 |
| *Flooring with 8-inch square bricks.* | | | | | | |
| Clerks' and Registrar's rooms ... ... | ... | 24 0 | ... | 12 0 | 288 | |
| Record-room ... ... ... ... | ... | 24 0 | ... | 9 0 | 216 | |
| Verandah ... ... ... ... | ... | 27 9 | ... | 6 6 | 180 | |
| Door pieces ... ... ... ... | 2 | 4 0 | ... | 1 6 | 12 | |
| | | | | | 696 | |
| Deduct stones under posts ... ... | 4 | 1 6 | ... | 1 6 | 9 | |
| Square feet ... | ... | ... | ... | ... | 687 | |
| Squares ... | ... | ... | ... | ... | ... | 6·87 |
| *Plastering with two coats.* | | | | | | |
| Interior— | | | | | | |
| Clerks' and Registrar's room ... ... | | 72 0 | ... | 12 0 | 864 | |
| Record-room ... ... ... ... | | 66 0 | ... | 12 0 | 792 | |
| Gables ... ... ... ... | 4 | 24 0 | ... | 4 6 | 432 | |
| Exterior— | | | | | | |
| Basement all round ... ... ... | | 120 3 | ... | 2 4½ | 286 | |
| Superstructure ... ... ... ... | | 105 0 | ... | 12 0 | 1,260 | |
| Gables ... ... ... ... | 2 | 27 0 | ... | 5 2 | 279 | |
| Wall over do. ... ... ... | 2 | 33 0 | ... | 3 0 | 198 | |
| Door jambs ... ... ... | 2 | 20 0 | ... | 1 6 | 60 | |
| Window do. ... ... ... | 4 | 17 0 | ... | 1 6 | 102 | |
| Do. do. ... ... ... | 4 | 13 6 | ... | 1 6 | 81 | |
| | | | | | | 4,354 |
| *Deductions.* | | | | | | |
| Doorways ... ... ... 2 × | 2 | 4 0 | ... | 8 0 | 128 | |
| Windows ... ... ... 2 × | 8 | 3 6 | ... | 5 0 | 280 | 408 |
| Square feet ... | ... | ... | ... | ... | ... | 3,946 |
| Squares ... | ... | ... | ... | ... | ... | 39·46 |
| *Wooden Railing.* | | | | | | |
| For Clerks' room ... Lineal feet. | ... | ... | ... | ... | 12 | ... |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. FT. IN. | Breadth. FT. IN. | Depth. FT. IN. | Contents. | Total. |
|---|---|---|---|---|---|---|
| *Painting doors, windows and exposed woodwork with three coats of Carson's paint.* | | | | | | |
| Venetian and panel doors ... .. | 3 | 64 0 | ... | ... | 192 | |
| Do. windows ... ... ... | 3 | 70 0 | ... | ... | 210 | |
| Glazed windows with iron bars .. | 2 | 70 0 | ... | ... | 140 | |
| Glazed ventilators ... ... ... | ... | .. | ... | ... | 13 | |
| Struts ... ... ... ... ... | 36 | 2 6 | ... | 1 0 | 90 | |
| Uprights ... ... ... ... | 72 | 3 0 | ... | 0 8½ | 153 | |
| Eaves boards ... ... ... ... | 2 | 27 0 | ... | 0 9 | 41 | |
| Verandah posts... ... ... ... | 4 | 6 6 | ... | 1 8 | 43 | |
| Do. brackets ... ... ... | 6 | 1 0 | ... | 1 0 | 6 | |
| Do. eave board ... ... ... | ... | 27 0 | ... | 0 9 | 20 | |
| Square feet ... | ... | ... | ... | ... | 908 | |
| Squares ... | ... | ... | ... | ... | ... | 9·08 |
| *Wood-oiling, three coats.* | | | | | | |
| Railing ... ... ... ... ... | 2 | 12 0 | ... | 3 0 | 72 | |
| Purlings and ridge ... ... ... | 3 | 14 0 | ... | 1 11 | 144 | |
| Do. ... ... ... ... | 3 | 11 0 | ... | 1 11 | | |
| Rafters ... ... ... ... | 36 | 19 0 | ... | 0 11 | 627 | |
| Breastsummers ... ... ... ... | ... | 27 0 | ... | 1 8 | 45 | |
| Rafters ... ... ... ... | 19 | 9 1½ | ... | 0 11 | 159 | |
| Wall-plate ... ... ... ... | ... | 27 0 | ... | 0 8 | 18 | |
| Square feet ... | ... | ... | .. | ... | 1,065 | |
| Squares ... | ... | ... | ... | ... | ... | 10·65 |

ABSTRACT.

| Quantity. | Item. | Rate. Rs. A. P. | Per | Amount. Rs. A. P. |
|---|---|---|---|---|
| 2,954 C. feet. | Excavation for foundations ... | ... | 1,000 C. feet. | ... |
| 1,056 „ | Earth-filling in basement... ... | ... | „ | ... |
| 537 „ | Concrete ... ... ... ... | ... | 100 C. feet. | ... |
| 1,135 „ | Brickwork in foundations ... | ... | „ | ... |
| 599 „ | Do. in basement ... ... | ... | „ | ... |
| 2,430 „ | Do. in superstructure ... | ... | „ | ... |
| 94 „ | Archwork ... ... ... ... | ... | „ | ... |
| 43 „ | Cut-stone work ... ... ... | ... | C. foot. | ... |
| 129 „ | Teakwood wrought and put up ... | ... | „ | ... |
| 20 lb. | Wrought-iron work ... ... | ... | lb. | ... |
| 64 Sq. feet. | Venetian and panel doors with frames ... ... ... ... | ... | Sq. foot. | ... |
| 70 „ | Venetian windows with frames ... | ... | „ | ... |
| 70 „ | Glazed windows with frames and iron bars for record-room ... | ... | „ | ... |
| 12½ „ | Glazed ventilators in gables ... | ... | „ | ... |
| 12·89 Squares. | Tiled roofing with flat and pan tiles including teak reepers ... | ... | Square. | ... |



ABSTRACT—*cont.*

| Quantity. | Item. | Rate. Rs. A. P. | Per | Amount. Rs. A. P. |
|---|---|---|---|---|
| 6·87 Squares. | Flooring with 8-inch square bricks. | ... | Square. | ... |
| 39·46 „ | Plastering with two coats ... ... | ... | „ | ... |
| 12 L. feet. | Wooden railing. ... ... ... | ... | L. foot. | ... |
| 9·08 Squares. | Painting doors, windows and exposed wood-work with three coats of Carson's oak paint. | ... | Square. | ... |
| 10·65 „ | Wood-oiling roof-timbers, &c., three coats. | ... | „ | ... |
| | Contingencies at 5 per cent. ... | ... | ... | ... |
| | Total ... | ... | ... | ... |

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.

ESTIMATE of the Cost of constructing a Registrar's Office with tiled roofing according to Standard Sheet No. 20, signed by the Officiating Consulting Architect to Government on 16th September 1881.

*Detailed Quantities.*

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Excavation for Foundations.* | | | | | | |
| Outer walls ... ... ... ... | | 149 0 | 4 6 | 4 6 | 3,017 | |
| Partition ... ... ... ... ... | | 27 0 | 3 8 | 4 6 | 446 | |
| Verandah walls... ... ... ... ... | | 44 9 | 3 6 | 4 6 | 705 | |
| Steps ... ... ... ... ... ... | | 15 0 | 3 0 | 1 0 | 45 | |
| Cubic feet ... | ... | ... | ... | ... | 4,213 | |
| *Earth-filling in Basement.* | | | | | | |
| Rooms ... ... ... ... ... ... | | 30 0 | 40 0 | 1 6 | 1,800 | |
| Platform ... ... ... ... ... | | 11 6 | 20 0 | 1 0 | 230 | |
| Verandah ... ... ... ... ... | | 31 9 | 7 0 | 1 6 | 333 | |
| Cubic feet ... | ... | ... | ... | ... | 2,363 | |
| *Concrete.* | | | | | | |
| Outer walls ... ... ... ... ... | | 149 0 | 3 6 | 1 0 | 522 | |
| Partition ... ... ... ... ... | | 28 0 | 2 8 | 1 0 | 75 | |
| Verandah walls ... ... ... ... | | 45 9 | 2 6 | 1 0 | 114 | |
| Steps ... ... ... ... ... ... | | 15 0 | 3 0 | 1 0 | 45 | |
| Cubic feet ... | ... | ... | ... | ... | 756 | |
| *Brickwork in Foundations.* | | | | | | |
| Footing course— | | | | | | |
| Outer walls ... ... ... ... ... | | 149 0 | 2 8 | 1 6 | 596 | |
| Partition ... ... ... ... ... | | 28 10 | 1 10 | 1 6 | 79 | |
| Verandah walls ... ... ... ... | | 46 7 | 1 6 | 1 6 | 105 | |
| Above footing to ground level— | | | | | | |
| Outer wall ... ... ... ... | | 149 0 | 2 3 | 2 0 | 671 | |
| Partition ... ... ... ... ... | | 29 3 | 1 6 | 2 0 | 88 | |
| Verandah wall ... ... ... ... | | 47 0 | 1 0 | 2 0 | 94 | |
| Cubic feet ... | ... | ... | ... | ... | 1,633 | |
| *Brickwork in Basement.* | | | | | | |
| Outer walls ... ... ... ... ... | | 149 0 | 2 3 | 2 0 | 671 | |
| Partition ... ... ... ... ... | | 29 3 | 1 6 | 2 0 | 88 | |
| Verandah walls ... ... ... ... | | 47 0 | 1 0 | 2 0 | 94 | |
| Steps ... ... ... ... ... ... | | 15 0 | 3 0 | 0 6 | 23 | |
| Do. ... ... ... ... ... ... | | 13 0 | 2 0 | 0 6 | 13 | |
| Do. ... ... ... ... ... ... | | 11 0 | 1 0 | 0 6 | 6 | |
| | | | | | 895 | |
| Deduct stone in steps and under posts as per details. | ... | ... | ... | ... | 33 | |
| Cubic feet ... | ... | ... | ... | ... | 862 | |
| *Brickwork in Superstructure.* | | | | | | |
| Outer walls ... ... ... ... ... | | 149 0 | 1 6 | 14 0 | 3,759 | |
| Partition ... ... ... ... ... | | 30 0 | 1 6 | 14 0 | | |



*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Brickwork in Superstructure*—cont. | | | | | | |
| Gables ... ... ... ... ... | 3 | 33 0 | 1 6 | 5 3 | 780 | |
| Over gable end ... ... ... ... | 2 | 40 0 | 1 6 | 0 9 | 90 | |
| Corbels ... ... ... ... ... | 12 | 1 0 | 0 6 | 1 6 | 9 | |
| Band over verandah roof ... ... | ... | 33 0 | 0 3 | 0 9 | 6 | 4,644 |
| Deductions— | | | | | | |
| Doors ... ... ... ... | 2 | 4 0 | 1 6 | 8 0 | 96 | |
| Windows ... ... ... ... | 12 | 3 6 | 1 6 | 5 0 | 315 | |
| Ventilators ... ... ... | 4 | 3 6 | 1 6 | 2 3 | 47 | |
| Archwork as per details ... ... | ... | ... | ... | ... | 108 | 566 |
| Cubic feet ... | ... | ... | ... | ... | ... | 4,078 |
| *Archwork.* | | | | | | |
| Segmental arches over doors ... ... | 2 | 5 3 | 1 6 | 1 0 | 16 | |
| Do. do. windows ... | 8 | 4 9 | 1 6 | 1 0 | 57 | |
| Semicircular arches for gable ventilators. | 2 | 11 9 | 1 6 | 1 0 | 35 | |
| Cubic feet ... | ... | ... | ... | ... | 108 | |
| *Cut-stone work.* | | | | | | |
| Under posts ... ... ... ... | 4 | 1 6 | 1 6 | 0 6 | 5 | |
| Steps ... ... ... ... ... | ... | 45 0 | 1 3 | 0 6 | 28 | |
| Slabs under beams ... ... ... | 3 | 3 0 | 2 0 | 0 4 | 14 | |
| Do. ... ... ... | 6 | 2 0 | 2 0 | 0 4 | | |
| Cubic feet ... | ... | ... | ... | ... | 47 | |
| *Teakwood.* | | | | | | |
| Purlins and ridge ... ... ... | 6 | 22 3 | 0 9 | 1 2 | 117 | |
| Wall plates ... ... ... ... | 2 | 44 6 | 0 3 | 0 3 | 6 | |
| Rafters ... ... ... ... ... | 60 | 22 6 | 0 3 | 0 5 | 141 | |
| Struts ... ... ... ... ... | 60 | 2 6 | 0 3 | 0 3 | 9 | |
| Uprights, double ... ... ... | 120 | 3 2 | 0 $1\frac{1}{4}$ | 0 $3\frac{1}{8}$ | 14 | |
| Eaves board ... ... ... ... | 2 | 45 9 | 0 $\frac{3}{4}$ | 0 6 | 3 | |
| Verandah posts ... ... ... | 4 | 0 6 | 0 6 | 7 $4\frac{1}{2}$ | 7 | |
| Do. breastsummers ... ... | 3 | 11 0 | 0 6 | 0 9 | 12 | |
| Do. brackets ... ... ... | 6 | 1 1 | 0 3 | 1 1 | 2 | |
| Do. rafters ... ... ... | 23 | 10 9 | 0 3 | 0 5 | 26 | |
| Do. wall-plate ... ... ... | 1 | 33 0 | 0 $3\frac{1}{2}$ | 0 5 | 4 | |
| Do. eave board ... ... ... | 1 | 33 0 | 0 $\frac{3}{4}$ | 0 6 | 1 | |
| Cubic feet ... | ... | ... | ... | ... | 342 | |
| *Wrought iron work.* | | | | | | |
| $\frac{1}{2}$" diameter bolts to secure verandah wall-plate. | 6 | 1 9 | =10 6 | × 1·47 | =15·43 | |
| $\frac{3}{4}$" hex. nuts and heads ... ... ... | 6 | ... | ... | × ·43 | = 2·58 | |
| 3" × 3" × $\frac{1}{8}$" washers for heads ... | 6 | ... | ... | × ·31 | = 1·86 | |
| lb. ... | ... | ... | ... | ... | 19·87 | |
| Say lb. ... | ... | ... | ... | ... | ... | 20 |

*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Venetian and panel doors with frames* ... | 2 | 4 0 | ... | 8 0 | 64 | Sq. feet. |
| *Venetian windows with frames* ... ... | 6 | 3 6 | ... | 5 0 | 105 | Sq. feet. |
| *Windows with glazed shutters and frames and ¾" square iron bars.* | | | | | | |
| For record-room ... ... ... | 6 | 3 6 | ... | 5 0 | 105 | Sq. feet. |
| *Glazed ventilators with frames.* | | | | | | |
| At sides ... ... ... ... | 4 | 3 6 | ... | 2 3 | 31½ | |
| At gables ... ... ... ... | 8 | 1 3 | ... | 1 3 | 12½ | |
| Square feet ... | ... | ... | ... | ... | 44 | |
| *Tiled roofing.* | | | | | | |
| Over rooms ... ... ... ... | ... | 45 9 | ... | 46 0 | 2,105 | |
| Over verandah ... ... ... ... | ... | 33 0 | ... | 10 9 | 355 | |
| Square feet ... | ... | ... | ... | ... | 2,460 | |
| Squares ... | ... | ... | ... | ... | ... | 24·60 |
| *Flooring with 8-inch square bricks over a levelling course of wall bricks.* | | | | | | |
| Rooms ... ... ... ... ... | ... | 40 0 | ... | 30 0 | 1,200 | |
| Verandah ... ... ... ... | ... | 33 9 | ... | 8 0 | 270 | |
| Door pieces ... ... ... ... | 2 | 4 0 | ... | 1 6 | 12 | |
| Deduct stones under posts ... ... | 4 | 1 6 | ... | 1 6 | 9 | |
| Square feet ... | ... | ... | ... | ... | 1,473 | |
| Squares ... | ... | ... | ... | ... | ... | 14·73 |
| *Plastering with two coats.* | | | | | | |
| Interior— | | | | | | |
| Rooms ... ... ... ... | 2 | 100 0 | ... | 14 0 | 2,800 | |
| Gables ... ... ... ... | 4 | 30 0 | ... | 5 3 | 630 | |
| Exterior— | | | | | | |
| Basement all round ... ... | ... | 173 3 | ... | 2 4½ | 411 | |
| Superstructure ... ... ... | ... | 155 0 | ... | 14 0 | 2,170 | |
| Gables ... ... ... ... | 2 | 33 0 | ... | 5 6 | 363 | |
| Wall over do. ... ... ... | 2 | 40 0 | ... | 3 0 | 240 | |
| Door jambs ... ... ... | 2 | 20 0 | ... | 1 6 | 60 | |
| Window do. ... ... ... | 8 | 17 0 | ... | 1 6 | 204 | |
| Do. ... ... ... | 4 | 13 6 | ... | 1 6 | 81 | |
| Ventilator do ... ... ... | 4 | 8 0 | ... | 1 6 | 48 | |
| Deductions— | | | | | | |
| Doorways ... ... ... 2 × | 2 | 4 0 | ... | 8 0 | 128 | |
| Windows ... ... ... 2 × | 12 | 3 6 | ... | 5 6 | 462 | |
| Ventilators ... ... 2 × | 4 | 3 6 | ... | 2 3 | 63 | |
| | | | | | | 653 |
| Square feet ... | ... | ... | ... | ... | ... | 6,354 |
| Squares ... | ... | ... | ... | ... | ... | 63·54 |



*Detailed Quantities*—cont.

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Wooden railing.* | | | | | | |
| For Clerks' room ... ... Lineal feet | ... | ... | ... | ... | 20 | |
| *Painting doors, windows and exposed woodwork with three coats of Carson's oak paint.* | | | | | | |
| Venetian doors ... ... ... ... | 3 | 64 0 | ... | ... | 192 | |
| Do. windows ... ... ... | 3 | 105 0 | ... | ... | 315 | |
| Glazed windows with iron bars ... | 2 | 105 0 | ... | ... | 210 | |
| Do. ventilators ... ... ... | ... | ... | ... | ... | 44 | |
| Struts ... ... ... ... | 60 | 2 6 | ... | 1 0 | 150 | |
| Uprights ... ... ... ... | 120 | 3 2 | ... | 0 8½ | 269 | |
| Eaves board ... ... ... ... | 2 | 45 9 | ... | 0 10½ | 80 | |
| Verandah posts ... ... ... | 4 | 2 0 | ... | 7 4½ | 59 | |
| Brackets ... ... ... ... | 6 | 1 0 | ... | 1 0 | 6 | |
| Eave board ... ... ... ... | 1 | 33 0 | ... | 0 10½ | 29 | |
| Square feet ... | ... | ... | ... | ... | 1,354 | |
| Squares ... | ... | ... | ... | ... | ... | 13·54 |
| *Wood-oiling, three coats.* | | | | | | |
| Railing ... ... ... ... ... | 2 | 20 0 | ... | 3 0 | 120 | |
| Purlins and ridge ... ... ... | 6 | 22 3 | ... | 3 1 | 412 | |
| Rafters ... ... ... ... | 60 | 22 6 | ... | 1 1 | 1,463 | |
| Breastsummers ... ... ... | 3 | 11 0 | ... | 2 0 | 66 | |
| Rafters ... ... ... ... ... | 23 | 10 9 | ... | 1 1 | 268 | |
| Wall-plate ... ... ... ... | 1 | 33 0 | ... | 1 1½ | 37 | |
| Square feet ... | ... | ... | ... | ... | 2,366 | |
| Squares ... | ... | ... | ... | ... | ... | 23·66 |

## ABSTRACT.

| Quantity. | Item. | Rate. | Per | Amount. |
|---|---|---|---|---|
| | | RS. A. P. | | RS. A. P. |
| 4,213 C. feet | Excavation for foundation ... ... | ... | 1,000 C. feet. | ... |
| 2,363 ,, | Earth-filling in basement ... ... | .. | ,, | ... |
| 756 ,, | Concrete ... ... ... ... | ... | 100 ,, | ... |
| 1,633 ,, | Brickwork in foundations ... ... | ... | ,, | ... |
| 862 ,, | Do. in basement ... ... | ... | ,, | ... |
| 4,078 ,, | Do. in superstructure ... ... | ... | ,, | ... |
| 108 ,, | Archwork ... ... ... ... | ... | ,, | ... |
| 47 ,, | Cut-stone work ... ... ... | ... | C. foot. | ... |
| 342 ,, | Teakwood wrought and put up ... | ... | ,, | ... |
| 20 lbs. | Wrought-ion work ... ... ... | ... | lb. | ... |
| 64 S. feet. | Venetian and panel doors with frames. | ... | Square foot. | ... |
| 105 ,, | Venetian windows with frames ... | ... | ,, | ... |
| 105 ,, | Glazed windows with frames and iron bars for record room ... ... | ... | ,, | ... |
| 44 ,, | Glazed ventilators ... ... ... | ... | ,, | ... |

ABSTRACT.—*cont.*

| Quantity. | | Item. | Rate. | Per | Amount. |
|---|---|---|---|---|---|
| | | | RS. A. P. | | RS. A. P. |
| 24·60 | Squares. | Tiled roofing with flat and pan tiles including teak reepers ... ... | ... | Square. | ... |
| 14·73 | „ | Flooring with 8-inch square bricks ... | ... | „ | ... |
| 63·54 | „ | Plastering with two coats ... ... | ... | „ | ... |
| 20 | L. feet. | Wooden railing ... ... ... | ... | L. foot. | ... |
| 13·54 | Squares. | Painting with three coats of Carson's paint ... ... ... ... | ... | Square. | ... |
| 23·66 | „ | Wood-oiling roof timbers, three coats | ... | „ | ... |
| ... | | Contingencies at 5 per cent. ... ... | ... | ... | ... |
| | | Total ... | ... | | ..# |

MADRAS,
20th December 1881.

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.



DEPARTMENT PUBLIC WORKS.

## REGISTRAR'S AND SUB-REGISTRAR'S OFFICES WITH TILED ROOFING.

*Specification of works to be performed in executing the Standard Designs for Registrar's and Sub-Registrar's Offices, according to Drawing Sheets, Nos. 20 and 22, signed by the Officiating Consulting Architect on the 16th September 1881.*

EXCAVATOR.

*Clearing site*—Take down any existing building on the site, stacking such materials as it may be desirable to use again.

*Excavation.*—After the centre lines have been pegged and lined, set out on either side of the lines half the total breadth of the foundations and excavate to the depth or depths shown on the drawing, or to such depth as the officer in charge of the works may direct.

*Slips and Baling.*—If slips occur during the progress of the works clear the material away and bale any water lodging in the trenches from a hole or holes made without the limits of the same.

*Ramming.*—After the officer in charge of the work has seen that the trenches are the full and proper widths and depths, well ram the bottom with heavy beaters for the after reception of the concrete.

BRICKLAYER.

*Concrete.*—Lay over the full breadth of the trenches about 9 inches of concrete as hereinafter specified and well ram with heavy beaters to a thickness of about 6 inches. After the first layer has consolidated lay a second and execute as before. The complete concrete should be about 12 inches thick.

*Brickwork.*—Mark off carefully the centre lines and lay off the thickness of the footing course according to the plan.

The brickwork will be executed in sound material, and care will be taken to insert during the progress of the work the door and window frames, wood-bricks for railing, &c.

The walls will be two bricks thick, about 18 inches.

*Splays.*—The openings will be splayed as shown on the plan.

*Arching.*—The heads of the openings will be covered by segmental arches built in concentric rings clear of the frame. The space between the arch and the top of the frame will be carefully closed in after the brickwork has settled down.

*Bond.*—The bond should be English if possible.

*Stones.*—Set the stones under the verandah posts, also those under the beams and fasten properly. All wood supplied by the carpenter.

STONE MASON.

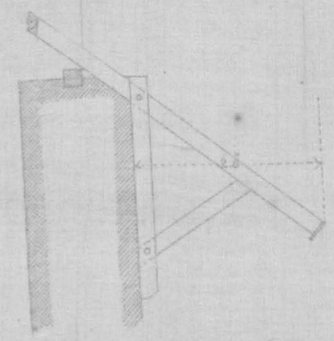
Provide and dress two lines No. 4 stones 1′ 6″ × 1′ 6″ × 6″ with mortice holes 2″ square and 2″ deep to receive the verandah posts.

*Steps.*—Provide and dress two lines, the steps shown on the drawing, tailing each stone not less than three inches.

CARPENTER.

NOTE.—*Vary this clause to suit Registrar's and Sub-Registrar's Offices.*—Supply beams——— × ——— × ——— supply rafters ——— × ——— × ——— supply doors windows and ventilators as shown on the drawing, neatly rebated and morticed in a workmanlike manner.

The rafters will be notched over the beams and project 2 feet 6 inches from the face of the wall and strutted as shown on the drawing.



ROOFING.

*Tiling.*—Cover the roof with well burnt flat and pan tiles laid in the usual manner and the ridge with tiles specially made for the purpose.

*Chunam bands.*—Protect the ridge with chunam and lay bands on the tiling ——— inches broad and ——— inches apart rough cast on the surface.

FLOORING.

After the surface has been brought up to the proper level lay an even floor of 8-inch square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERER.

Plaster the whole of the interior and exterior with two coats of plaster. (See Specification Standard Design for Police Stations, dated 15th January 1881.)

MATERIALS.

The bricks will be cast in a mould ——— inches × ——— inches × ——— inches, well burnt and free from defects.

The timber will be well seasoned and free from defects.

The lime will be collected at ——— properly burnt and slaked.

The sand will be collected at ——— .

(Signed) R. F. CHISHOLM,
Consulting Architect to Government.



GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

14th January 1882, No. 120 W.

**Buildings and Roads.**
**Civil Works.**

Read the following papers :—

No. 69. From Major A. T. FRASER, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 16th September 1881, No. 465.

I HAVE the honor, in terms of G.O., No. 1783 W., of the 21st July, to forward the following standard designs for Registrar's and Sub-Registrar's Offices prepared in accordance with the sketch plan herewith enclosed for reference, which was approved in the Judicial Department, dated 20th January 1881 :—

Standard design, Registrar's Office, terraced building.
Do. do. do. tiled building.
Do. Sub-Registrar's Office, terraced building.
Do. do. do. tiled building.

2. As it is understood Superintending Engineers are waiting for these standard plans, I have had to supply the Superintending Engineer, Second Circle, with copies in anticipation ; it is considered unadvisable to retain them till the quantities are taken out.

This will be done and a specification furnished when the plans are returned from the Lithographic Press.

---

SUBMITTED for the approval of Government in the Judicial Department, and for the countersignature of the Inspector-General of Registration.

(Signed) J. PENNYCUICK, Major, R.E.,
19th September 1881. Deputy Chief Engineer, P.W.D.

To the Judicial Department, with the letter above quoted
and five enclosures (requested to be returned).

---

No. 69-A. Proceedings of the Madras Government in the Judicial Department, dated 9th November 1881, No. 2283.

From the Public Works Department, dated 19th September 1881, No. 2150.

From the Inspector-General of Registration, Madras, dated 14th October 1881, No. 670.

---

THE plans are approved and returned with the countersignature of the Inspector-General of Registration.

(True Extract.)

(Signed) R. DAVIDSON,
Chief Secretary.

No. 69-B. From R. F. CHISHOLM, Esq., Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepauk, 20th December 1881, No. 736.

In continuation of this office letter, No. 465, dated 16th September, I have the honor to forward specifications and detailed quantities for the tiled and terraced standard designs for Registrar's and Sub-Registrar's Offices.

Two Specifications.
Four Detailed Estimates.

---

No. 70. Order thereon, 14th January 1882, No. 120 W.

The standard designs for Registrar's and Sub-Registrar's Offices, which have been approved in the Judicial Department, will be lithographed and the estimates and specifications printed for circulation and adoption in the department.

(True Extract.)

(Signed) R. H. SANKEY, Colonel, R.E.,
Secretary to Government, P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
" Judicial Department.

Exd. A. Aubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

# Govt. of {1882} Madras.

## PUBLIC WORKS.

*Dated January, 14th.*

*Read.* *Encl.*

**G.O., 14th Jan. 1882, No. 120 W.**

**JANUARY.**
**Nos. 69-70.**

*Registrar's and Sub-Registrar's Offices.*—The standard designs for —, ordered to be lithographed and circulated for adopted in the Public Works Department.

W. 720, T.C.

Report by the Superintending Engineer 6th Circle on the Estimate for Constructing a Sub. Registrar's Office at Manaparai, Kulittalai Taluq, Trichinopoly District, Rs 2,090.

Encls: 3.
1 Estimate
1 Site plan
1 Rough plan.

The Estimate is called for in G.O. No. 3066 of 8th December 1881, and prepared in accordance with the standard design (Sheet No. 21 terraced building) approved of in G.O. No. 1200 of 14th January 1882.

2. The only deviation made in the Estimate is the substitution of Cement Concrete for brick flooring. The description of the Door & Windows of the Record room is also altered as per suggestions made in the Inspector General of Registrations letter recorded in G.O. No. 362 of 9th March 1882.

3. The Site has been selected in communication with the Sub. Registrar and approved of by the Collector.

The

The soil of site is stated to be Gravel and the undersigned considers that the foundation 3 feet deep masonry allowed in the Estimate is sufficient. As the land belongs to Government no compensation is required.

4. The rates are fair and the Estimate is recommended for Sanction.

5. The work will be completed within 9 months from the date of Sanction and allotment of funds.

Lieut. C. & R.E.
Superintending Engineer 6th Circle

Supdg Engrs office 6th Circle
Trichinopoly 7th March 85

No. A. 1195-16. March 85

Madras.

Submitted for the sanction of the Government.

for Secretary
Asst Secy to Govt

To
The Chief Secretary to the
Government
Fort St George.

28/20

From,

The Supt. Engineer
to Circle

To,

The Inspector Genl.
of Registration

No. 720 T.C. 2617

Dated: March/85
Rec'd 16. March/85.
Memo: 3.

Sub-Registrar's
office at Kunnam
in the Kulitalai
Taluq of the Trichi-
nopoly District.

Report on the Esti-
mate of Rs. 2,090
for construction

J.C. 22/3/85

Fin. Dept. No. 10-12 dtd. 3.2.85.

(2 W. Dy. 1952
Board's Dy. 2430

Serial (1885) No. 925

Registration

From

The Inspector General
of Registration
Madras

To The Chief Secretary to the
Government
Fort St. George

Dated 10th
Received } March 1885
Fin. Dept. No. 1195
Enclosures 5

No

Submitting for the sanction
of the Government an estimate
for constructing a Sub
Registration office at Mangalore
in the Tellicherry District

SECRETARIAT TO GOVERNMENT
17 MAR 85
MADRAS

No 62 dated 16th March 1885.

Approved and transferred
to the Public Works Department.

By order

H A Stuart
Asst. Secy.
3.85.

Public Works Department, 188 -85.

718 W.

Current No. 2430
Letter No. 527
Dated the 15th March 85
From the Dep. Inspr. Genl. of Regn.

Sanction
CH.
18.3.85

Note of Remarks.

1. In compliance with G.O. No. 3006 Public 8th Dec. 84. the accompanying estimate has been submitted for constructing a Sub Registration Office at Mangalore in the Tellicherry District the estimate amounts to Rs. 2,990.

2. The office is to be built in accordance with the standard design sanctioned in G.O. No. 1201 of the 14th Jan. 82, and the estimate now submitted, except in regard to items where alteration was advisable, is in exact accordance with the sanctioned estimate of the standard design.

3. The sub-stratum of concrete has been omitted, and cement concrete has been adopted in place of rock for flooring. — It is stated that the nature of the soil at site renders the concrete sub-stratum unnecessary to the foundations — the soil is gravelly.

4. The estimate has been countersigned by the Inspr. Genl. of Registration.

18th March/85
BH

Buildings & Roads
Civil Works

№ 718-W

PUBLIC WORKS DEPARTMENT.

## PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 23rd March/85.

READ the following

From the Inspr. Genl: of Registration — R.C. № 1195 dy 10th March/85
End. thereon by the Judl: Dept: " " 629 dy 16th March/85.

The estimate amounting to Rs 2,090, for constructing a Sub Registrar's office at Manaparai in the Trichinopoly Dt., is sanctioned.

2. This sanction has been registered as Provl: № 282 W of 1884-85, & classified as Civil Buildings, Original works. CV.

Cy 21.3.85

21-3-85

S.E. III Circle with 4 Encls.
Ex: P.W. accts.
Judl: Dept.

S
718
28

I-64
15 W
23/3

2436.

Govt. of [1885] Madras.

PUBLIC WORKS.

Dated

Read. Encl.

G.O. 23rd March 1885, No. 718.

Dist Registrar's Opinion
at Mannargudi.

Est amt: Rs 7h 2090
for Canal: a ——,
Kulimopoly Dist:
Sanctioned

60
—
4

Land Sec. 3
24 3