(1) Number of pages 74
(2) Date of repair Jan. 88
(3) Initials of the Referencer

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D DEPARTMENT

G.O. No. / B.P. No. 1491.W.
Press. / Mis.

Dated 12.6.1886 19.

Not to be folded or roughly handled

Archives I--10,006 I -80.

12TH JUNE 1886, No. 1491 W., PUBLIC WORKS.

1491/6

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following letter from Colonel W. H. BURTON, R.E., Superintending Engineer, V Circle, to the Inspector-General of Registration, Madras, dated Chepâk, 12th May 1886, No. 602:—

I have the honor to forward to you, for disposal under G.O., No. 483 W., dated 21st February 1884, an estimate of Rs. 3,020 for constructing a sub-registrar's office in the compound of new taluk cutcherry at Villupuram, prepared on the revised type design circulated with G.O., No. 1049 W., dated 5th May 1885, and to request that the same, if approved, may be substituted for the estimate of Rs. 2,640 prepared on the type design circulated with G.O., No. 100 W., dated 14th January 1884, and forwarded to you with my letter, No. 2973, dated 10th November 1884.

Endorsement on the above.

T. No. 1799.

Submitted for the sanction of Government.

2. The estimate for Rs. 2,640 prepared in 1884 was submitted to the Government with my T. No. 4830, dated 7th November 1884, but was not sanctioned.

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

OOTACAMUND,
15th May 1886.

No. 864 C., Judicial.

Approved, and transferred to the Public Works Department.

(By Order.)

(Signed) A. G. CARDEW,
Ag. Assistant Secretary.

28th May 1886.

ORDER—dated 12th June 1886, No. 1491 W., Public Works.

The estimate, amounting to Rs. 3,020, for constructing a sub-registrar's office at Villupuram, in the South Arcot district, is sanctioned for execution when funds are available.

2. The estimate of Rs. 2,640, received with proceedings, dated 10th December 1884, Mis. No. 3222, Judicial, was not sanctioned pending issue of the revised type design circulated with G.O., No. 1049 W., dated 5th May 1885.

3. This sanction has been registered as Provincial, No. 45 W. of 1886-87, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Superintending Engineer, V Circle, with four enclosures.
" Examiner, Public Works Accounts, with duplicate abstract estimate.
" Judicial Department.

Exd. E. Fernandes.
Spare Copies

1491/2

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated June, 12th.

Recd. *Encl.*

G.O., 12th June 1886, No. 1491 W.

JUNE.

Sub-Registrar's Office

Estimate of Rs. 3,020, for constructing a — at Villupuram, in the South Arcot district, sanctioned.

K91/3

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 Sankaridrug, 28th October 1884, T. No. 4632 :—

I have the honor to submit, for the sanction of Government, the accompanying letter, No. 599 N.I., dated 8th October 1884, from the Superintending Engineer, II Circle, giving cover to plans and estimates for the sub-registry offices to be constructed at Gúdúr, Addanki and Atmakúr, in the Nellore district.

2. The plans and estimates for the first two stations I have countersigned. Those for the latter station, I have not signed, as the record-room arrangement does not, for reasons stated in my letter, G. No. 2982, dated 10th December 1883, suit the needs of the Registration Department, while it affords greater facilities for forgeries than the tiled roof standard design plan.

3. The estimates do not appear to provide for weather-boards over the windows on the sides of the office rooms.

No. 2478, Judicial.

Forwarded, with connected papers, to the Public Works Department, for the issue of the requisite orders.

(By Order.)
(Signed) M. HAMMICK,
Acting Assistant Secretary.

7th November 1884.

Order—dated 18th November 1884, No. 2882 W., Public Works.

The undermentioned estimates are sanctioned for execution when funds are available :—

—	Amount of Estimate.	Classification.	Register No.
	RS.		
Sub-registrar's office at Gúdúr, Nellore district.	3,000	Civil Buildings, Original Works.	Provincial No. 201 W. of 1884-85.
Sub-registrar's office at Addanki, Nellore district.	2,970	Do. do. ...	Provincial No. 202 W. of 1884-85.

2. The plan and estimate for a sub-registrar's office at Atmakúr will be returne through the Judicial Department, to the Inspector-General of Registration, who will be called upon to state definitely his objections to the proposed design. The Inspector-General will be reminded that, after perusal of Public Works Department memorandum, No. 2585 C., dated 20th December 1883, and the papers forwarded therewith, he apparently waived the objections previously raised by him to the type design, inasmuch as he countersigned the latter in token of approval, and resubmitted it to Government with his endorsement, No. 17, of the 6th January 1884. The design was then lithographed and circulated to officers of the Public Works Department with proceedings, No. 100 W., dated 14th January 1884, "for use when Registration offices are to be built in the same compound with cutcherries on the standard plan."

(True Extract.)

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

To the Superintending Engineer, II Circle, with ~~fourteen~~ 13 enclosures.
" Examiner, Public Works Accounts, with two duplicate abstract estimates.
" Judicial Department, with seven enclosures.

Exd. E. Fernandez.
Spare Copies

1491/A

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1884 Madras.

PUBLIC WORKS.

Dated November, 18th.

Recd. *Encl.*

G.O., 18th Nov. 1884, No. 2882 W.

NOVEMBER.

Sub-Registrars' Offices at Gudur and Addanki

Estimates for — sanctioned; plan and estimate for the Atmakúr office returned, through the Judicial Department, to the Inspector-General of Registration for report in connection with the design.

22nd October 1883, No. 2986 W., Public Works.

1491/3

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following paper:—

G.O., dated 12th October 1883, Mis. No. 2709, Judicial.

Read—the following letter from G. HAMNETT, Esq., Inspector-General of Registration, to the Acting Chief Secretary to Government, dated Madras, 5th October 1883, G. No. 1888:—

I have the honor to transmit extracts from my notes of inspection of the sub-registrar's office at Villupuram, in the district of South Arcot, and to request that you will be pleased, for the reasons therein set forth, to obtain the sanction of the Government for the construction of a new office on the standard terraced design.

Enclosure.

"The late Mr. Ratnavelu Chetti inspected this office on the 2[illegible]h October 1880. It is held in the verandah of the old munsif's court-house. The court ha been removed into a new building, but the Collector, it is said, objects to any portion of the building being taken up by the Registration Department. It is very desirable a new office should be constructed on the standard design, terraced, and not as at Panruti, tiled. The verandah affords no accommodation for parties and the sub-registrar says that he experiences great difficulty in carrying on his work."

* * * * *

"20. The registrar will state what has been done about providing a new office for Villupuram."

Registrar's Reply.

"Nothing has been done about providing a new office. When I inspected the office last time the sub-registrar explained to me how he failed in the attempt to secure the central hall for his office. I requested the Collector in person whether he could permit the occupation of the hall by the sub-registrar. He replied he could not permit. As the Inspector-General was expected to visit the office in March, I asked the sub-registrar to bring the matter to his notice. I think the only course left is to apply for sanction to construct a new building as the central hall cannot be had. I therefore solicit orders to bring the matter by means of a separate letter."

Order—dated 12th October 1883, Mis. No. 2709, Judicial.

Approved and transferred to the Public Works Department.

(True Extract.)

(Signed) M. HAMMICK,
Acting Assistant Secretary.

ORDER—dated 22nd October 1883, No. 2986 W., Public Works.

Communicated to the Superintending Engineer, Fifth 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, Fifth Circle.
" Judicial Department.
" Inspector-General of Registration.

Exd. A. F. Goodall.
Spare Copies

1491/6

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1883) Madras.

PUBLIC WORKS.

Dated October, 22nd.

Recd.

Encl.

G.O., 22nd Oct. 1883, No. 2986 W.

OCTOBER.

Sub-Registry Office

Estimate called for for constructing a —
at Villupuram, South Arcot district.

Report to accompany the Estimate of Rupees 2,640 for Constructing a new Sub. Registrar's Office at Villupuram.

1491/7

The Sub. Registrar's Office is now held in the verandah of the old Munsiff's court house. There is no other building available. The necessity for the building is fully explained in the Notes of Inspection of the Inspector General of Registration embodied in G. O. No. 2986 W dated 22nd October 1883, in which the submission of the requisite estimate has been called for.

(2) The building is to be erected in the compound of the new Taluq Cutcherry proposed to be constructed at Villupuram.

C. Ewald

Executive Engineer

Vriddhachalam
16 September 1884

C. L.

1991/8

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	TOTAL.
		RS.		RS.	RS.
4190	Excavation for foundation & filling	2:14:0	1000 c. ft	12	
1678	Concrete (stone gallets in mortar) 2' deep	14:14:0	100 c. ft	249	
1562	Brickwork in foundation & basement	14:0:0	—	219	
2678	— Do — Superstructure —	18:1:0	—	484	
100	Archwork —	19:4:0	—	19	
12	Cutstone in steps and under posts	0:13:4	C. ft	10	
180	Teakwood wrought and put up	3:10:0	—	652 654	
30	Venetian & panel doors with frames	1:7:0	S. ft	43	
26	Batten doors covered on the outside with sheet iron —	3:3:0	—	80 83	
67	Venetian windows — Do. —	1:9:0	—	105	
46	Batten windows with glazed shutters and iron bars covered with sheet iron on the outside	2:0:0	—	90	
7	Glazed Ventilator with frame	1:9:0	—	11	
9.50	Railing in clerks' room —	2:0:0	R. ft	19	
52	Cornice record room —	0:3:0	—	10	
26	Spiral steps —	5:0:0	Step	130	
8.87	Roofing with flat and pan tiles Chunam beads —	8:0:0	Sq.	70	
2.84	Terrace roofing for record room —	25:1:0	—	71	
.69	Slope terracing for spiral roof	9:9:0	—	7	
4.82	Flooring with 8" sq. bricks over a levelling course of wall bricks	12:10:0	—	61	
1.13	Flooring lower record room with asphalte 3/4" thick —	28:0:0	—	32	
789	C. ft of filling in basement (sand)	3:8:0	1000 c. ft	3	
	carried over —			2233	

Grand Total of Estimate ..

STATION }
Dated }

Executive Engineer.

[illegible] 3p Apl 30/84

NOTES

Reference to Madras P. W. D. Code.

Paras. 1074, 1075, 1086, 1087, 1091 to 1094, 1108, 1111 to 1114, 1130 and 1145 to 1147.

(1.)—Abstracts of Estimates should be prepared under such sub-heads as are to be separately shown in the Accounts (Register of Works, work-vouchers, &c.) of the work. For repairs of buildings and roads, the classification of the Budget Estimate should be strictly followed, one estimate only being framed for each Budget entry, and if a further estimate is required, it should be supplemental to the first; by this means, as the Work Abstracts follow the estimates, the Register of Works, the Schedule of Expenditure, and the Books of the Central Office will show by one entry the entire outlay on repairs to each work for the whole year, which is not the case when several estimates are sanctioned for the repairs of one work in the course of the year.

(2.)—Quantities are to be entered as so many units.

(3.)—All rates are to be quoted in Rupees, Annas and Pies.

(4.)—Annas and Pies are to be excluded from the Abstract Estimates, the cost of each item being brought to the nearest Rupee. Totals of estimate need not be brought to round numbers.

P. W. D. Form.
No. M 207.

Circle—

Division—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No. of 186 -8 for.*)

* Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	Total.
		RS.		RS.	RS.
	Brought forward			2239	
22.26	Plastering interior 2 coats	2:9:0	Sq.	58	
20.71	Painting exterior	1:0:0	"	21	
5.60	Painting doors, windows and exposed wood work three coats of Carsons oak paint	2:12:0	"	15	
20.00	Wood oiling roof timbers 3 coats	1:10	"	33	
				2366	
	Add extra for turning finials & finishing brackets			25	
	Contingencies	3:0:0	per cent	76	
	Superintendence	6:0:0	"	144	2580
	Gate as per standard Plan and Estimate for Taluq Cutchery				
74	C. ft. of Excavation for foundation	2:14:0	1000 C. ft.	"	
25	" Concrete work	14:14:0	100 C. ft.	1	
86	" Brick in Mortar	14:0:0	"	12	
75	Sqrs. of Plastering 2 coats	2:9:0	Square	3	
7	C. ft. of Teak wood work including iron fittings	5:0:0	C. ft.	36	
	Contingencies			2	
	Superintendence			3	60
	Total				2,640

Underdendey ... ✓

Assistant Engineer T. Div.

Grand Total of Estimate 2,640

Rs Two thousand, six hundred & forty.

Executive Engineer.

Station Vriddachalam

Dated 16th September /84

NOTES.

REFERENCE TO MADRAS P. W. D. CODE.

PARAS. 1074, 1075, 1086, 1087, 1091 TO 1094, 1108, 1111 TO 1114, 1130 AND 1145 TO 1147.

(1.)—ABSTRACTS of Estimates should be prepared under such sub-heads as are to be separately shown in the Accounts (Register of Works, work-vouchers, &c.) of the work. For repairs of buildings and roads, the classification of the Budget Estimate should be strictly followed, one estimate only being framed for each Budget entry, and if a further estimate is required, it should be supplemental to the first; by this means, as the Work Abstracts follow the estimates, the Register of Works, the Schedule of Expenditure, and the Books of the Central Office will show by one entry the entire outlay on repairs to each work for the whole year, which is not the case when several estimates are sanctioned for the repairs of one work in the course of the year.

(2.)—Quantities are to be entered as so many units.

(3.)—All rates are to be quoted in Rupees, Annas and Pies.

(4.)—Annas and Pies are to be excluded from the Abstract Estimates, the cost of each item being brought to the nearest Rupee. Totals of estimate need not be brought to round numbers.

P. W. D. Form
No. M 207.

CIRCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for*)

[*] Here enter the name and description of work in full.

Estimate No. 21 *of* 1884-85.

1491/10

Fund ~~Financial~~ Head— Provincial

Service Budget Head— Civil Buildings

Departmental Head— Original Work

Main Head— Miscellaneous

Sub-Head—

Project of which the work forms part— Sub-Registrar's office at Villupuram

Section—

Name of Work— Constructing a Sub-Registrar's office in the compound of Taluq Cutcherry at Villupuram

Amount of Estimate— Rs 2640.

To be carried out by— the Executive Engineer, South Arcot Division

REFERENCES.

REFERENCE TO MADRAS P. W. D. CODE.
PARAS. 1074 TO 1076.

P. W. D. FORM
No. M 203.

Fifth CIRCLE.

DIVISION— South Arcot

TALUK— Villuppuram

ESTIMATE FORM.—Wrapper or Outer-sheet.

Estimate for* Constructing a Sub-Registrar's office in the compound of Taluq Cutcherry at Villuppuram

Amount of Estimate, Rs. 2640

Detailed Estimate, No. 21 of 1884-85.

* Here enter name and description of work in full.

[illegible] 4430/84

REFERENCE TO MADRAS P. W. D. CODE.
PARAS. 968, 968-A AND 978.

To be employed where there are many parts or sub-divisions of a work.

P. W. D. Form
No. M 209.

ESTIMATE FORM.—ABSTRACT—GENERAL (FOR MANY PARTS OF A WORK.)

Fifth CIRCLE 1491/11

DIVISION— South Arcot

[illegible] 10312

DISTRICT— South Arcot

WORK— Constructing a Sub Registrar's office in the compound of Taluq Cutcherry at Villupuram.

To accompany the Detailed Estimate No. 21 of 1884-85 for* Constructing a Sub Registrar's Office in the compound of Taluq Cutcherry at Villupuram.

Amount of Estimate Rs 2640

* Here enter the name and description of work in full.

[illegible] 4430/84

ESTIMATE FORM.—Abstract General (for many parts of a Work).

1491/12

Description of Work.	Rates.		Constructing a Sub Registrar's office in the Compound of Taluq cutcherry at [illegible]puram.		Gate as per Standard plan and Estimate for Taluq cutcherry.														Total.	
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
	Brought forward			2208 ~~2182~~	"	16														~~2424~~
Flooring lower record room with asphalte 3/4 inch thick	Sqrs	28 - -	1.13	32	"	"													1.13	32
Plastering interior 2 coats	-do-	2 - 9 -	22.26	58	.95	3													23.21	60
Pointing exterior	do	1 - -	20.71	21	"	"													20.71	21
Painting doors & windows and exposed woodwork 3 coats of Carsons oak paint	do	2 - 12 -	5.60	15	"	"													5.60	15
Wood oiling roof timbers 3 coats	do	1 - 10 -	20.00	33	"	"													20.00	33
Add extra for turning finial finishing brackets				25	"	"														25
Teakwood work including iron fittings to	c ft	4 - -	"	"	9	36													9	36
Contingencies	3 per cent			71 ~~75~~		2														73 ~~77~~
Superintendence	5 per cent			120 ~~114~~		3														~~47~~ 123
Total				2580 ~~2550~~		60.														2643 ~~2610~~

Prendergast
[illegible] Engineer

Executive Engineer.

Note.—(1.) All rates are to be given in Rupees, Annas and Pies.
(2.) Quantities are to be entered as so many units; thus the unit for Brick-work being 100 cubic feet, 9,250 cubic feet of Brick-work would be entered as 92·5 units.

Station [illegible]
16 September 1884.

40

Reference to Madras P. W. D. Code.

Paras. 968, 968-A and 978.

P. W. D. Form
No. M 209.

ESTIMATE FORM.—Abstract—General (for many parts of a Work.)

To be employed where there are many parts

ab-divisions of a work.

———————— Circle

1491/13

Division—

District—

WORK—

To accompany the Detailed Estimate No.

of 188 - 8 for *

Here enter the name and description of work in full.

ESTIMATE FORM.—Abstract General (for many parts of a Work).

Description of Work.	Rates.		Constructing a sub Registrar's office in the compound of Talug-cutcherry at Villupuram.		Gates as per Standard plan and Estimate for Talug cutcherry												1491/14		Total.	
	Unit.	Amount.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.	Quantity.	Cost.
Concrete	100 c. ft	14-14-..	1675	249	25	4													1700	253
Brickwork in foundation and basement	do	14-..-..	1562	219	86	12													1648	231
Do. Superstructure	do	15-1-..	2678	404	"	"													2678	404
Teakwood wrought & put up	C. foot	3-10-..	180	652	"	"													180	652
Items below 200 Rs each																				
Excavation for foundation	1000 c. ft	2-14-..	4190	12	74														4264	12
Arch work	100 c. ft	19-4-..	100	19	"	"													100	19
Cut stones	C. ft	..-13-4	12	10	"	"													12	10
Venetian & panelled doors with frames	Sqr. ft	1-~~4~~ 7-..	30	~~38~~ 43	"	"													30	43
Batten doors covered on the outside with sheet iron	do	1-3-..	25	30	"	"													25	30
Venetian windows - do	do	1-9-..	67	~~72~~ 105	"	"													67	105
Batten windows with glazed shutters & iron bars covered with sheet iron on the outside	do	2-..-..	45	90	"	"													45	90
Glazed ventilators with frames	do	1-9-..	7	11	"	"													7	11
Railing in clerk's room	L. ft	2-..-..	9.50	19	"	"													9.50	19
Cornice record room	do	..-3-..	52	10	"	"													52	10
Spiral steps	Step	5-..-..	26	130	"	"													26	~~302~~ 130
Roofing with flat & pan tiles & chunam bands	Sqre.	8-3-..	8.57	70	"	"													8.57	70
Terrace roofing for record room	do	25-1-..	2.84	71	"	"													2.84	71
Steps terracing for spiral steps	do	9-9-..	.69	7	"	"													.69	7
Flooring with 8" square bricks over a bedding course of wall bricks	do	10-10-..	4.82	51	"	"													4.82	51
Filling in basement (sand)	100 c. ft	3-8-..	789	3															789	3
Carried over				~~[illegible]~~ 2182		16														~~2226~~ 2222

Note.—(1.) All rates are to be given in Rupees, Annas and Pies.
(2.) Quantities are to be entered as so many units; thus the unit for Brick-work being 100 cubic feet, 9,250 cubic feet of Brick-work would be entered as 92·5 units.

Station }
Dated 188 }

Executive Engineer.

[illegible] 4430/07

1491/15

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil and Military Works.

Order—dated 21st February 1884, No. 483 W., Public Works.

In modification of the practice at present followed with regard to the submission of plans and estimates for buildings required by other departments, the Government direct that the following procedure be invariably adopted in future.

2. Plans and estimates for buildings required by the Revenue Department should be submitted by the Executive Engineer to the Superintending Engineer, who, after scrutiny, will forward them to the Collector of the district for approval and counter-signature. If the Collector be satisfied as to the suitableness of the proposed accommodation, &c., he will transmit the papers through the Board of Revenue to Government in the Revenue Department, by whom, if approved, they will be transferred to the Public Works Department for disposal, after final scrutiny by the Chief Engineer.

3. In the case of plans and estimates for court-houses, the documents will be forwarded by the Superintending Engineer to the District Judge for transmission, through the High Court, to Government in the Judicial Department, and the same principle will be followed with regard to estimates for Registration, Police, Jail, and other Civil Departments. The Superintending Engineer will forward the documents to the Head of the Department concerned, who will submit them to Government in the Department of the Secretariat from which he receives his orders.

4. The course at present adopted with regard to estimates for Military buildings is laid down in G.O. No. 1381 W., dated 14th June 1880, but here also a modification of practice appears desirable. In future such plans and estimates will be forwarded by Superintending Engineers for approval to the General Officer Commanding the District or Division. The General Officer will transmit the papers to the Quartermaster-General, who,* after obtaining the approval of His Excellency the Commander-in-Chief, will submit them direct to Government in the Military Department. After approval in the Military Department they will be transferred to the Public Works Department for disposal, after final scrutiny by the Chief Engineer.

5. It must be understood that these orders apply only to works which are beyond the power of sanction of local authorities, and are not intended to alter the procedure laid down in G.O., No. 3211 W., dated 6th December 1882, with regard to the submission of Local Fund projects.

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* Note.—In the case of Ordnance, Commissariat or other departmental buildings, the approval of the head of the department should be obtained before the plans and estimates are submitted to His Excellency the Commander-in-Chief.

6. The Secretary, Code Committee, will take the necessary steps for embodying these rules in the Public Works Code, in modification of paragraphs 1168 and 1335.

(True Extract.)

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

To Superintending Engineers.
To the Consulting Architect to Government.
” Examiner, Public Works Accounts.
” Public, &c., Departments.
” Revenue Department.
” Military ”

Exd. A. Grubert,
Spare Copies

1491/76

BUILDINGS AND ROADS.
CIVIL AND MILITARY WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated February, 21st.

Encl.

Recd.

G.O., 21st Feb. 1884, No. 483 W.

FEBRUARY.

Buildings required by other Departments

Modification of the practice for the submission of plans and estimates for —.

5th May 1885, No. 1049 W., Public Works.

149/17

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from Lieutenant-Colonel J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 21st April 1885, No. 78 :—

With reference to G.O., No. 702 W., dated 20th March 1885, I have the honor to submit three plans and detailed quantities for a sub-registrar's office with tiled roof to be erected in compounds with cutcherries built on the standard design.

2. This design has been approved by the Inspector-General of Registration, who has signed a copy (herewith forwarded) in token of his approval.

3. At Madras rates of work this design will cost Rs. 3,130. The rooms have been slightly enlarged to fit into the treatment adopted. Projecting eaves are provided for the office rooms. And a flèche affords roof ventilation to the whole building.

Order—dated 5th May 1885, No. 1049 W., Public Works.

In continuation of G.O., No. 702 W.,* dated 20th March 1885, the Government direct that copies of the revised type design and schedule of quantities prepared by the Consulting Architect to Government be circulated to officers of the Public Works Department for use when it is proposed to build registration offices in the same compounds with cutcherries on the standard plân.

* G.O., dated 27th February 1885, No. 543, Judicial.

2. The type design and estimate circulated with G.O., No. 100 W., dated 14th January 1884, are cancelled.

(True Extract.)

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

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

Exd. A. Grubert.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1885} Madras.
PUBLIC WORKS.

Dated May, 5th.

Recd. *Encl.*

G.O., 5th May 1885, No. 1049 W.

MAY.

Sub-Registrar's Office

Revised type design and schedule of quantities prepared by the Consulting Architect for —, ordered to be circulated to officers of the department.

14th January 1884, No. 100 W., Public Works.

1471/18

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Major J. L. L. MORANT, R.E., Officiating Consulting Architect to Government, to the Chief Engineer, Public Works Department, dated Chepâk, 8th November 1883, No. 993.

With reference to the orders of Government marginally noted, I have the honor to enclose a standard design with specification and detailed quantities for a sub-registrar's office.

Office Note, No. 196 D., dated 30th Jan. 1883.
G.O., No. 788 W., dated 10th March 1883.

Enclosures.

DEPARTMENT PUBLIC WORKS.

REVISED DESIGN FOR A SUB-REGISTRAR'S OFFICE.

Specification of works to be performed in executing the standard designs for a Sub-registrar's Office according to drawings, sheets Nos. 23 and 24, signed by the Officiating Consulting Architect on 8th November 1883.

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 center 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 center 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 12″ × 12″ × 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 3″.

CARPENTER.

Supply joists and rafters neatly planed and splayed.

Supply doors, windows and ventilator as shown in the drawing, neatly rebated and morticed in a workmanlike manner. The outside of the batten doors and windows of the record-room should be covered with thin sheet-iron.

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.

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 eight inches square tiles set diagonally. The tiles will be rubbed on the surface and gauged to fit each other.

PLASTERING.

Plaster the whole of the interior with two coats of plaster, and point or plaster the exterior, to harmonize with the adjacent cutcherry buildings.

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 —

CHEPAK,
8th November 1883.

(Signed) J. L. L. MORANT, Major, R.E.,
Offg. Consulting Architect to Government.

ESTIMATE FORM—DETAIL MEASUREMENTS.

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
					C. FT.	
Excavation for Foundation.						
Clerk's room walls front, rear and end	...	36 6	4 6	4 0	2,016	
Registrar's do. do. do. ...	...	51 0	4 6	4 0		
Record do. do. do. ...	...	24 6	4 6	4 0		
Spiral stairs	...	10 0	10 0	4 0	400	
Verandah walls	...	34 0	3 6	4 0	476	
Steps	...	8 0	2 0	1 6	24	
						C. FT.
					2,916	2,916
Concrete.						
12" thick = ¼ of excavation ...	...	...	...	...	729	729
Brickwork in foundation and basement footings.						
Clerk's room walls front, rear and end	...	38 6	2 6	1 6	435	
Registrar's do. do. do. ...	...	51 0	2 6	1 6		
Record do. do. do. ...	...	26 6	2 6	1 6		
Spiral stairs, taken solid square to ground	...	8 0	8 0	1 6	96	
Verandah walls	...	36 0	1 6	1 6	81	

14a/19

Estimate Form—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
					C. FT.	C. FT.
Above Footings to Floor-level.						
Clerk's room front, rear and end walls	...	39 6	1 6	3 6	207	
Registrar's do. do. do. ...	...	51 0	1 6	3 6	268	
Record do. do. do. ...	...	27 6	1 6	3 6	144	
Spiral stairs	...	7 0	7 0	3 6	172	
Verandah walls	...	37 0	0 9	3 0	83	
Steps	...	8 0	2 0	1 1½	18	
Extra thickness for plinth ...	...	86 9	0 3	3 6	76	1,580
Deductions—						
Spiral angle	...	2 9	area.	2 0	6	
Stone steps and under posts as per details	...	...	...	...	12	18
						1,562
Brickwork in Superstructure.						
Clerk's room walls front, rear and end.	...	39 6	1 6	10 9	1,459	
Registrar's do. do. do. ...	...	51 0	1 6	10 9		
Record do.	...	27 6	1 6	9 9	402	
Do. upper portion ...	...	39 0	1 6	9 0	527	
Spiral (taken square)	...	7 0	7 0	19 6	956	
Do. upper portion 6′ 6″ diameter.	...	33 2	area.	6 6	216	
Gables	1	11 6	1 6	2 0	74	
Do.	1	13 0	1 6	2 0		3,634
Deductions—						
Door	1	4 0	1 6	7 6	45	
Do.	1	2 3	1 6	7 0	24	
Windows	4	3 6	1 6	4 3	89	
Do.	7	1 9	1 6	4 3	78	
Spiral doorways	2	2 0	1 6	6 6	39	
Do. upper	1	2 0	1 0	4 6	10	
Spiral void 4—6 dia.	...	15 10	area.	26 0	412	
Do. angle	...	2 9	area.	19 6	54	
Arch in registrar's room ...	1	8 0	1 6	8 0	96	
Ventilator in do. ...	1	3 6	1 6	1 9	9	
Archwork as per details ...	...	...		...	100	956
						2,678
Archwork.						
Over door	1	5 0	1 6	1 0	70	
Do.	1	3 0	1 6	1 0		
Windows	4	4 6	1 6	1 0		
Do.	7	2 3	1 6	1 0		
Spiral doorway	2	2 6	1 6	1 0		
Do.	1	2 6	1 0	1 0	3	
Arch in registrar's room	1	10 6	1 6	1 3	20	
Do. for ventilator	1	4 6	1 6	1 0	7	
					100	
Cut-stone in steps, &c.						
Steps	...	16 6	1 3	0 6	10	
Slabs under posts	4	1 0	1 0	0 6	2	
					12	12

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Teakwood.					C. FT.	
Verandah posts	4	6 4	0 5	0 5	4	
Do. Breastsummer	1	31 0	0 5	0 6	6	
Cleats	16	0 7½	0 2½	0 3	1	
Brackets	8	1 10½	0 3	0 3	1	
Planks, two taken together ...	4	1 3	1 3	0 1½	1	
Do. at base of posts	16	0 1½	0 8	0 4½	1	
Clerk's room—						
Rafters	5	7 6	0 3	0 3½	15	
Do.	11	8 6	0 3	0 3½		
Do.	8	10 0	0 3	0 3½		
Collar pieces, upper	11	5 0	0 2½	0 3	3	
Do. lower	11	10 0	0 3	0 3½	8	
Wall-plates	2	19 0	0 3	0 3	3	
Ridge piece at gable end ...	1	2 6	0 3	0 3		
Registrar's room—						
Rafters	12	9 6	0 3	0 3½	14	
Do.	8	7 0	0 3	0 3½		
Small rafters	6	4 9	0 3	0 3½		
Collar pieces, upper	9	4 6	0 2½	0 3	2	
Do. lower	9	9 0	0 3	0 3½	6	
		Average length.				
Wall-plates	2	15 6	0 3	0 3	2	
Ridge piece at gable end ...	1	2 6	0 3	0 3		
Record-room—						
Joists	18	11 6	0 3	0 6	26	
Spiral roof—						
Rafters	8	5 0	0 3	0 3	3	
Wall-plates including wastage.	4	4 6	0 6	0 3	2	
Block	1	1 0	1 0	0 9	3	
Finial	1	1 0	1 0	2 6		
Gable finishing—						
Brackets (may be made of three pieces)	5	1 6	0 3	1 3	2	
Gable collars	2	5 0	0 3	0 3	1	
Do. uprights...	2	1 0	0 3	0 3		
Do. planks (two taken together)	2	2 6	1 3	0 1½	1	
Reepers for tiled roofing	...	2,143 0	0 2	0 ¾	22	
Record racks in upper and lower floor uprights	60	0 2	0 2	8 0	13	
Ties	30	1 6	0 1½	0 2	2	
Do.	14	2 6	0 1½	0 2		
Horizontal bars	24	10 0	0 1	0 3	14	
Do.	36	7 6½	0 1	0 3		
Do.	24	7 6½	0 1	0 3		
Battens	72	10 0	0 2	0 ¾	24	
Do.	72	7 8	0 2	0 ¾		
Do.	132	7 8	0 2	0 ¾		
					180	C. FT. 180

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
					SQ. FT.	
Venetian and Panel Doors including Frames.						
Entrance door	1	4 0	...	7 6	30	
Batten Doors with Frames covered with sheet-iron outside.						
Entrance to record-room	1	2 3	...	7 0	16	
Door from spiral to terrace ...	1	2 0	...	4 6	9	
					25	
Venetian Windows with Frames.						
......	4	3 6	...	4 3	60	
......	1	1 9	...	4 3	7	
					67	
Batten windows with glazed shutters and iron bars for record-room outside of batten shutters covered with sheet-iron.	6	1 9	...	4 3	45	
Glazed ventilator with frames ...	1	3 6	...	2 0	7	
Railing in clerk's room	...	...	...	...	...	L. FT. 9·50
Cornice for record-room	...	...	...	...	...	52
Spiral steps	...	...	...	...	...	Steps. 26
Roofing with flat and pan tiles and chunam bands.						
Clerk's room	...	9 0	17 0	...	153	
Do.	...	11 0	19 0	...	209	
Registrar's room	...	15 0	16 6	...	248	
Verandah	...	17 6	8 6	...	149	
Do.	...	13 0	7 6	...	98	
					857	SQUARES. 8·57
Terrace Roofing.						
Record-room	1	11 0	11 0	...	121	
Do. upper	1	13 0	12 6	...	163	
					284	2·84
Slope Terracing for Spiral Roof.						
......	...	12 6	5 6	...	69	·69
Flooring with 8-inch square bricks.						
Clerk's room	...	16 0	11 6	...	184	
Registrar's room	...	10 0	12 6	...	125	
Archway	...	8 0	1 6	...	12	
Door piece	...	4 0	1 0	...	7	
Do.	...	2 3	1 0	...		

Estimate Form—Detail Measurements—*cont.*

Detail of Works.	Number.	Measurements in Feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
Flooring with [illegible] *inch square bricks*—cont.					SQ. FT.	SQUARES.
Verandah	...	16 0	6 0	...	96	
Do.	...	11 6	5 0	...	58	
					482	4·82
Flooring with asphalte ¾-inch thick over a 5-inch bed of concrete.						
Lower record-room	...	10 0	10 0	...	100	
Door piece	...	2 3	1 0	...	2	
Spiral door	...	2 0	1 6	...	3	
Entrance to spiral	...	2 0	4 0	...	8	
					113	1·13
Plastering Interior.						
Clerk's room	...	55 0	...	10 9	591	
Do. gables	2	11 6	...	3 10	88	
Registrar's room	...	45 0	...	10 9	484	
Do. gables	2	10 0	...	3 4	67	
Record-room	2	40 0	...	9 0	720	
Spiral	...	14 0	...	25 6	357	
Door jambs	1	19 0	...	1 0	19	
Do.	1	16 3	...	1 6	24	
Spiral door	2	15 0	...	1 6	45	
Do.	1	11 0	...	0 9	8	
Windows jambs	4	15 6	...	1 0	62	
Do.	7	12 0	...	1 0	84	
Ventilator do.	1	11 0	...	1 0	11	
Arch do.	1	23 0	...	1 6	35	SQ. FT. 2,595
Deductions—						
Door	1	4 0	...	7 6	30	
Do.	2	2 3	...	7 0	32	
Do.	4	2 0	...	6 6	52	
Do.	1	2 0	...	4 6	9	
Windows	4	3 6	...	4 3	112	
Do.	7	1 9	...	4 3		
Ventilator	1	3 6	...	1 9	6	
Archway	2	8 0	...	8 0	128	
						369
						2,226
						SQUARES. 22·26
Pointing or Plastering Exterior.						
Walls	...	73 6	...	12 0	882	
Gables	1	15 6	...	5 2	80	
Do.	1	13 0	...	4 4	56	
Record-room walls	...	30 6	...	22 0	671	
Do.	1	13 0	...	6 0	78	
Spiral	...	9 6	...	22 0	209	
Do. upper portion	...	20 6	...	5 0	103	
Verandah basement	...	38 0	...	1 6	57	
Door jambs	1	19 0	...	0 6	10	
Do.	1	11 0	...	0 3	3	
Window jambs	4	15 6	...	0 6	31	
Do.	7	12 0	..	0 6	42	
Ventilator	1	11 0	...	0 6	6	SQ. FT. 2,228

Estimate Form.—Detail Measurements—*cont.*

Detail of Work.	Number.	Measurements in feet.			Area or Contents.	Total Quantity of each description of Work.
		Length.	Breadth.	Depth.		
					SQ. FT.	SQ. FT.
Brought forward ...	...	...	...	...	...	2,228
Pointing or Plastering Exterior—cont.						
Deductions—						
Door	1	4 0	...	7 6	30	
Do.	1	2 0	...	4 6	9	
Windows	4	3 6	...	4 3	112	
Do.	7	1 9	...	4 3		
Ventilator	1	3 6	...	1 9	6	
						157
						2,071
Painting doors, windows and exposed wood-work with three coats of Carson's oak paint.						SQUARES. 20·71
Venetians and panel doors ...	3	4 0	...	7 6	90	
Batten doors	2	2 3	...	7 0	32	
Do.	2	2 0	...	4 6	18	
Venetian windows	8	3 6	...	4 3	119	
Do.	4	1 9	...	4 3	30	
Batten windows with glazed shutters and iron bars	18	1 9	...	4 3	134	
Glazed ventilators	2	3 6	...	2 0	14	
Verandah posts	4	6 0	...	1 8	40	
Brackets	8	1 6	...	1 6	18	
Rafters at gable ends	2	10 0	...	0 9	29	
Do. do.	2	9 6	...	0 9		
Brackets at gables	5	1 6	...	1 6	11	
Gable collars	2	5 0	...	1 0	12	
Do. uprights	2	1 0	...	1 0		
Do. planks	4	2 6	...	1 3	13	
					560	5·60
Wood-oiling.						
Roof timbers	...	...	...	...	857	
Record racks	...	...	...	...	1,084	
Railing	...	...	...	...	57	
					1,998	20

ESTIMATE FORM.—ABSTRACT.

Quantity.	Description of Work.	Rate.	Per.	Amount.	Total.
		RS.		RS.	RS.
2,916	Excavation for foundation	...	1,000 C. ft.	...	
729	Concrete	...	100 C. ft.	...	
1,562	Brickwork in foundation and basement ...	...	,,	...	
2,678	Do. in superstructure	...	,,	...	
100	Archwork	...	,,	...	
12	Cut-stone in steps and under posts	...	C. ft.	...	
180	Teakwood wrought and put up	...	,,	...	
30	Venetian and panel door with frames ...	...	Sq. ft.	...	

Estimate Form.—Abstract—*cont.*

Quantity.	Description of Work.	Rate.	Per.	Amount.	Total.
		RS.		RS.	RS.
25	Batten-doors covered on the outside with sheet iron	...	Sq. ft.	...	
67	Venetian windows do.	...	”	...	
45	Batten windows with glazed shutters and iron bars covered with sheet-iron on the outside...	...	”	...	
7	Glazed ventilator with frames	...	”	...	
9·50	Railing in clerk's room	...	L. ft.	...	
52	Cornice record-room	...	”	...	
26	Spiral steps	...	Step.	...	
8·57	Roofing with flat and pan tiles, chunam bands.	...	Square.	...	
2·84	Terrace roofing for record-room	...	”	...	
·69	Slope terracing for spiral roof	...	”	...	
4·82	Flooring with 8-inch sq. bricks over a levelling course of wall bricks	...	”	...	
1·13	Flooring lower record-room with asphalte ¾-inch thick	...	”	...	
22·26	Plastering interior two coats	...	”	...	
20·71	Pointing or plastering exterior	...	”	...	
5·60	Painting doors, windows, and exposed woodwork with three coats of Carson's oak paint...	...	”	...	
20	Wood-oiling roof timbers three coats	...	...	...	
	Add extra for turning finial finishing brackets, &c., ...		...	25	
	Contingencies at 5 per cent.	...	...	...	
		Grand Total of Estimate ..			

STATION,
8th November 1883.

(Signed) J. L. L. MORANT, Major, R.E.,
Offg. Consulting Architect to Government.

Endorsement in the Judicial Department, dated 15th December 1883, No. 2456.
Memorandum to the do. do., dated 20th ” ” No. 2585 C.T.
Endorsement from do. do., dated 10th January 1884, No. 57.

ORDER—dated 14th January 1884, No. 100 W., Public Works.

Ordered that copies of the type plan and estimate submitted by the Consulting Architect to Government be circulated to officers of the Public Works Department for use when registration offices are to be built in the same compound with cutcherries on the standard plan.

(True Extract.)

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

To Superintending Engineers,
To the Consulting Architect to Government, } with copies of type plan and estimate.
” Judicial Department,

Exd. E. Fernandez.
Spare Copies

1491/22

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated January, 14th.

Encl.

Recd.

G.O., 14th Jan. 1884, No. 100 W.

JANUARY.

Sub-Registrar's Office

Circulating type plan and estimates for constructing a — in the same compound with cutcherries on the standard plan.

1491/23

ESTIMATE form—Detail measurements.

Detail of work.	Number.	MEASUREMENTS IN FEET.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
EXCAVATION FOR FOUNDATION.						
Wall all round the office	1	108 0	4 6	4 6	2,187	
Partition wall to do.	1	22 6	3 8	4 6	371	
Verandah all round	1	35 0	3 3	4 6	512	
Step	1	12 6	3 0	1 0	38	
Total, excavation ...	...	...	...	...	...	3,108
EARTH-FILLING IN BASEMENT.						
Rooms	2	24 9	11 7½	1 6	863	
Platform	1	11 7½	7 7½	1 0	89	
Verandah	1	25 0	5 4½	1 6	202	
Total, filling ...	...	...	...	...	...	1,154
CONCRETE.						
Wall all round	1	108 0	3 6	1 0	378	
Partition wall	1	23 6	2 8	1 0	63	
Verandah do.	1	35 6	2 3	1 0	80	
Step	1	12 6	3 3	1 0	41	
Total, Concrete ...	...	...	...	...	...	562
BRICKWORK IN FOUNDATIONS.						
Footing course.						
Wall all round	1	108 0	2 8	1 6	432	
Partition wall	1	24 4	1 10	1 6	67	
Verandah all round	1	36 10	1 3	1 3	58	
FOUNDATION AND BASEMENT OVER FOOTING.						
Wall all round	1	108 0	2 3	3 6	851	
Partition wall	1	24 9	1 6	3 6	130	
Verandah do.	1	37 3	0 9	3 6	98	
Steps	1	12 6	3 0	0 6	19	
	1	10 6	3 0	0 6	16	
	1	8 6	3 0	0 6	13	
Total, foundation and basement	...	...	...	...	...	1,684
BRICKWORK IN SUPERSTRUCTURE.						
Wall all round	1	108 0	1 6	12 6	2,025	
Partition wall including gable ...	1	25 6	1 6	17 3	660	
					2,685	
Deductions.						
Doors	2	4 0	1 6	8 0	96	
Windows	8	3 6	1 6	5 0	210	
Archwork as per details	...	...	...	...	102	
Granite stone under posts as per details	...	...	...	...	5	
					413	
Total, superstructure ...	...	...	...	...	...	2,272

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Archwork.						
Over doors	2	5 0	1 6	1 6	23	
Over windows	8	4 4½	1 6	1 6	79	
Total, archwork ...	...	...	...	...	...	102
Cut-stone work.						
Stone under posts	4	1 0	1 0	0 6	2	
Carble stone under flèche	2	3 0	0 6	0 9	2	4
Teakwood.						
Main room.						
Hip rafters	4	25 0	0 4	0 8	22	
Jack rafters	22	10 6	0 3½	0 7	39	
	58	9 3	0 3½	0 7	91	
Brackets	22	1 0	0 7	0 7½	8	
Uprights, double	44	4 3	0 3½	0 1½	7	
Struts	22	3 0	0 4	0 3½	6	
Ridge piece for dome	2	5 0	0 3	0 6	1	
Rafters to do.	12	3 0	0 3	0 4	3	
Gable plank	2	5 0	0 1	1 6	1	
Barge board	2	12 0	0 2	0 9	3	
Collar piece	2	5 0	0 3	0 3	1	
Verandah posts	2	0 5	0 5	8 0	3	
	2	0 5	0 5	6 3	2	
Bressummer	1	32 0	0 5	0 7½	8	
Valley rafters	2	11 0	0 3½	0 5	3	
Ridge piece	1	8 8	0 3	0 6	1	
Rafters	12	9 3	0 3	0 4	9	
Jack rafters	16	4 6	0 3	0 4	6	
Finial	1	7 3	0 4	0 4	1	
Collar piece	2	3 0	0 3	0 3	1	
Gable plank	1	2 9	0 1	1 9		
Barge board ...	1	17 0	0 2	1 0	3	
Woodwork for flèche.						
Bottom frames	4	4 0	0 6	0 7	5	
Uprights (allowing for wastage) ...	8	0 7	0 7	4 6	12	
Frames above do. ...	8	1 3	0 4	0 4	1	
Uprights (allowing for wastage) ...	8	0 5	0 5	3 6	5	
Brackets	16	0 4	0 3	average 0 4	2	
Bressummers	8	1 3	0 4	0 4		
Horizontal pieces	8	2 0	0 3	0 4	1	
Central boss	1	0 9	0 9	0 4	8	
Rafters (allowing for wastage) ...	8	5 5	0 9	0 3		
Solid block at termination	1	0 9	0 9	1 9	1	
Pieces between feet of rafters ...	8	1 6	0 4	0 3	1	
Planks at eaves	8	1 6	0 ½	0 6	3	
Boarding (including one tapping)...	8	7 9	0 ½	1 0		
Venetians	40	0 10	0 ½	0 6	2	
Do. returns	80	0 10	0 ½	0 3		
Do. do.	8	0 10	0 ½	3 3		
Planking to cover lower part of flèche	8	1 9	0 1	1 9	2	262
				Running feet.		9
Teak railings	1	9 0	...	8 0	64	64
Do. doors	2	4 0	...	5 0	70	70
Do. windows	4	3 6	...	4 7	27	27
Do. glazed shutters to windows ...	2	2 11	...			
Do. do. windows with frames to record-room	4	3 6	...	5 0	70	70

1491/24

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Roofing.						
Front and rear slopes	2	18 0	16 6	...	594	
Side slopes	2	9 9	18 6	...	361	
	2	8 0	16 6	...	264	
Ridge	4	3 0	3 0	...	36	
Verandah	2	10 0	9 0	...	180	
	2	7 6	4 6	...	68	
Total, roofing ...	...	...	...	...	...	1,503
Plastering.						
Records and clerks' rooms	2	75 0	...	13 0	1,950	1,950
Outer wall all round	1	114 0	...	13 0	1,482	
Basement do.	1	114 0	...	2 0	228	
					1,710	
Deduct.						
Doors	2	4 0	...	8 0	64	
Windows	8	3 6	...	5 0	140	
Total, plastering ...	...	...	...	...	204	1,506
Flooring.						
Rooms	2	25 6	12 0	...	612	
Verandah	1	26 6	6 6	...	172	
Steps	1	12 6	3 0	...	38	
Spaces of window	8	3 6	0 9	...	21	
Do. of doors	2	4 0	1 0	...	8	
Total, flooring ...	...	...	...	...	...	851
Painting, Carson's.						
Doors	3×2	4 0	8 0	...	192	
Windows	3×8	3 6	5 0	...	420	
Glazed shutters	8	3 0	4 6	...	108	
Brackets	22	0 6	1 9	...	19	
Doublings	44	2 9	0 10	...	101	
Struts	22	2 3	1 3	...	62	
Gable planks	2	4 3	0 9	...	6	
Barge board	2	12 0	1 9	...	42	
Collar piece	2	4 6	1 0	...	9	
Posts	2	7 6	2 0	...	30	
	2	6 0	2 0	...	24	
Bressummer	1	30 0	1 10	...	55	
Finial	1	7 3	1 4	...	10	
Collar piece	1	2 3	2 0	...	5	
Gable plank	2	2 6	1 9	...	9	
Barge board	1	17 0	2 2	...	37	
Flèche	3×1	10 0	6 6	...	195	
	3×1	8 0	2 6	...	60	1,384
Wood-oiling.						
Hip rafters	4	21 0	1 8	...	140	
Jack rafters	22	8 6	1 6	...	281	
	58	8 3	1 6	...	718	
Ridge piece	2	5 0	1 3	...	13	
Rafters to piece	12	3 0	1 0	...	36	

Estimate form—Detail measurements—*cont.*

Detail of work.	Number.	Measurements in feet.			Area or contents.	Total quantity of each description of work.
		Length.	Breadth.	Depth.		
Wood-oiling—*cont.*						
Valley rafters	2	10 0	1 1½	...	23	
Ridge piece	1	7 0	1 3	...	9	
Rafters	12	8 3	1 0	...	99	
Jack rafters	16	4 0	1 0	...	64	
Flèche bottom frames	4	3 6	1 9	...	25	
Uprights	8	4 0	3 0	...	96	
Total, wood-oiling ...	...	...	...	...	...	1,504
Sheet lead $\frac{1}{16}$" thick	...	14 0	...	2 3	32	
....	...	11 6	...	1 3	14	
....	...	1 3	...	0 9	1	
	...	...	...	Sq. ft.	47	
				× 3·7 lb. per sq. ft.		173 lb.

Estimate Form—Abstract.

Quantity.	Description of work.	Rate.	Per	Amount.	Total.
		RS.	C. FT.	RS.	RS.
3,108 C. ft.	Excavation for foundation	...	1,000	...	
1,154 "	Earth-filling in basement	...	"	...	
562 "	Concrete	...	100 c. ft.	...	
1,684 "	Brickwork in foundation and basement	...	C. feet. 100	...	
2,272 "	Brickwork in superstructure ...	...	"	...	
102 "	Archwork	...	"	...	
4 "	Cut-stone work	...	C. feet.	...	
262 "	Teakwood, wrought, and put up ...	...	"	...	
9 R. ft.	Teak railings as per plan	...	R. foot.	...	
64 S. ft.	Pannelled venetian doors with frames and fittings complete	...	S. foot.	...	
70 "	Venetian windows with do. do. ...	...	"	...	
27 "	Glazed shutters only for side windows of clerks and registrar's room including fittings	...	"	...	
70 "	Glazed shutters with frames and iron bars to record-room	...	"	...	
1,503 "	Tile roofing with flat and pan tiles including teak reepers	...	100 Sq. feet.	...	
1,950 "	Plastering the interior walls with two coats of chunam	...	"	...	
1,506 "	Pointing exterior walls	...	"	...	
851 "	Flooring with 8" square feet bricks in chunam including a levelling course of third sort wall bricks	...	"	...	
1,384 "	Carson's oak paint, three coats to doors, windows and exposed woodwork ...	...	"	...	
1,504 "	Wood-oilings, three coats to roof timber, &c.	...	"	...	
	Wrought iron finial as per plan ...	...	...	...	
173 lb.	Sheet lead $\frac{1}{16}$" thick	...	lb.	...	
	Allow for finishing verandah and ridge gables, &c.	...		...	
	Petty supervision at 2½ per cent. ...	...		...	
	Contingencies at 2½ per cent. ...	...		...	
	Grand Total ...	...		...	...

Madras,
21st April 1885.

(Signed) J. L. L. MORANT, Lieut.-Col., R.E.,
Officiating Consulting Architect to Government.

1491/85

Public Works Department.

Current No. 4169
Letter No. 864C
Dated the 28th May 1886
From the From the Judicial Depts.

Note of Remarks.

(1) The accompanying Revised estimate amounting to Rs: 3020. prepared agreeable to G. O. No 483 W. Dt 21st Feb. 1884 and submitted by S. E. V. circle is for constructing a Sub Registrar's Office in the Compound of New Taluq Cutcherry at Villupuram.

(2) The building is to be as per new Type Design approved in G. O. No 1049 Dt 5th May 1885.

(3) The S. E. V. circle in his letter No 602 Dt 12th May States, that the original plan & estimate amounting to Rs: 2640 were prepared in accordance to the Type design approved in G. O No 100 W. Dt 14th Jan. 1884 ... that agreeable

Agreeable to G. O. No 1049 W. D/. 5th May 1885 it may be cancelled and estimate Rs. 3020 be substituted.

(4) The report accompanying estimate states that the necessity for the work is fully explained in the notes of Inspection of the Inspector General of Registration embodied in G. O. No 2986 W. D/ 22nd Oct. 1883.

(5) The only marked deviation in the District Estimate to that of the Standard is the extra depth of Concrete bed. It is 2 feet instead of 1 foot in depth. The necessity for this extra depth is not explained.

(6) The quantity of brick work in Standard estimate in foundation & basement is 1684 C. ft. but in the Dist. Estimate submitted it is 1351 cft.

(7) This marked difference is evidently due to the extra depth of concrete allowed in esti
Other items agre
Sheet cal

149/86

(8) A detail data for each sub Head of estimate is sent.

(9) The rates are fair.

(10) The plan & estimate have been signed by the Inspector General of Registration and approved by the Judicial C. S. Department.

2.6.86

To
D.W.

Recommended for sanction. The difference in quality of concrete & brickwork is probably due to the [illegible]

4/6/86

Registration Department

G. No. 1951.

1491/27

From, Geo. Hamnett Esq.
Inspector General of Regn.

To, The Hon: E. Forster Webster
Chief Secretary to the
Government
Fort St. George.

Dated, Madras, 27th November 1884.

Sir,

With reference to Official Memorandum, Judicial Department No. 2570. dated the 18th November instant, I have the honor to state that I have in my letter G. No. 2982. dated the 10th December 1883, stated why the revised design of Sub Registry office will not answer the needs of the department.

× G. No. 4727 retd.
to P. W. Dept. with
G. No. 29/82.

2. I have no objection to —

the Estimate for the Sub Registrar's Office at Villupuram. My objection is chiefly in respect of the arrangement in the plan which does not provide for having all the records in one room, and that room being under the immediate eye of the Sub Registrar.

3. I have not been supplied with a copy of the revised design. From my recollection of it, it contains two small rooms one above the other for records while the space in each is barely sufficient for two large almirahs and the entrance into the lower room is hid from the Sub Registrar's view.

4. Even in buildings constructed on the original design registering officers say that they experience very great difficulty in watching the clerks and in preventing them from tampering with Records. This difficulty, a comparison of the two plans will show, will be greatly enhanced by the revised design.

I have the honor to be
Sir
Your most obed^t Servant
G. Hammett
Inspector General of Reg^n

Judicial Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

1491/99

READ the following

From the Inspector General of Registration dated 7th Nov: 1884, J. No. 4830

From — do — do — G. No. 1951, d 27th Nov: 84

re Estimate for Sub Registry office at Villupuram, S. Arcot.

Order, 10th Decr. /84 No. 3222 Mis

Copy of the type plan circulated with G.O. 14th January 1884, No. 100 W, will be furnished to the Inspector General.

2. The P.W. Dept. to whom the Inspector General's letters will be communicated in original[x] will be requested to state whether the plan under consideration can be amended to meet Mr. Hammett's objections.

[x] to be returned.

(True Extract)

Actg. Secretary

J.W.

To the P.W.D.

No 3112 W of 18 Decr/84

B

Before ordering the preparation of an amended type design, the Govt: in the P.W. Dept: will await receipt of a reply to para. 2 of G.O. No 2882 W of 18th November 1884, in which the Inspr. General of Registration was asked to state definitely his objections to the plan therein referred to

CY.
17.12.84

17.12.84

BH

The Judl: Dept. 19-12-84

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[6]

Govt. of {188 } Madras.

To

The P W Dept

SECRETARY TO GOVERNMENT
12 DEC 84
P.W. DEPARTMENT MADRAS

Recd 12/12/84

Proceedings, dated 10th December 1884.
No. 3222 Mis. —

Subject.

G.O. No 3112 W of 18 Decr/84

Sub Registry office at Villupuram South Arcot Dt.

With order

PUBLIC WORKS DEPARTMENT.

1921
31

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

the Inspector General of Registration. H. E. No 1799 d/15th May 1886.
endorsement by the Judicial Deptt. H. E. No: 864 C d/28th May 1886.

The estimate amounting to Rs. 3,020, for constructing a sub-registrar's office ~~in the compound of the new taluk office~~ at Villupuram in the South Arcot District, is sanctioned for execution when funds are available.

2. The estimate of Rs. 2,640 ~~received~~ for the work which were received with Proceedings of Govt. Judicial Department, No: 3222. Mis: dated 10th December 1884, was not sanctd. as it had to be revised with reference to the amended type design approved in G. O. No 1049 W dated 5th May 1885. This has now been done.

3. This sanction has been registered as Provincial No:

W of 1886-87, and classified

as Civil Buildings, Original Works.

8/6/86

G.O. A. No 1049 W d/ 5-5-85
" " " 483 W d/ 21-2-84
" " " 100 W d/ 14-1-84
" B " 3112 W d/ 18-12-84
" A " 2882 W d/ 18-11-84
" " " 2986 W d/ 22-10-83

1491 W

~~TO BE COMMUNICATED TO NEWSPAPERS~~

To The Suptg. Engr. IV C. le with 4 enclos.
" Examiner of P.W. Accts with the duplicate abstract estimate
" Judicial Department

0
8/6

No. 602

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepák, 12th May 1886.

1491/23

From
THE SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Inspector General of Registration
Madras.

Enclosures. 5

2 Abstract Estimates
1 Report.
1 Data
1 Site Plan

SIR,

I have the honor to forward to you for disposal under G. O. No 483 W. dated 21st February 1884. An estimate of Rs 3020 for Constructing a Sub Registrar's Office in the Compound of the Taluq Cutchery at Villupuram prepared on the revised type design circulated with G. O. No 1049 W dated 5th May 1885, and to request that the same if approved may be substituted to the estimate of Rs 2640 prepared on the type design circulated with G. O. No

No. 100 W. dated 14th January 1884.
& forwarded to you with my
letter No. 2973 dated 10th November
1884.

I have the honor to be
Sir,
Your most Obed. Servt.

W H Hinton
Col. R.E.
Superintending Engineer
5 Circle

F. No. 1799. dated 15 May 1885.
Ootacamund

Submitted for the sanction of Government.

2 The estimate for Rs 2640 prepared in 1884 was submitted to the Government with my F. No. 4830 dated 7th November 1884, but was not sanctioned.

W. Hammet
[illegible]

To The Chief Secretary
to the Government.
Ootacamund.

Cement [illegible]
house - Works [illegible]
at Madras - [illegible]

149/38

G2061/85
I4830/85
G2286/84

Regn (1886) Dept
(Off. Accnt)

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE
Inspr. Genl. of Regn.

No 602

Dated 12 } May 1886.
Recd. 13 }

ENCLOSURES. 5

R No. 3962

No.

Forwarding a revised estimate for constructing a S.R.O. in the Compound of the new Kutcherry at Villupuram.

No. 2973

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 8th November 1884

1491/28

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Inspector General
of Registration
Madras

Enclosures.
2 ~~Abstract~~ Estimates
1 Site plan
1 Report

SIR,

With reference to G.O. No 2936 W dated 22nd October 1883. I have the honor to forward to you for disposal under G.O. No 485 W. dated 21st February 1884 para 3. an Estimate of Rs 2640 for Constructing a Sub Registrar's Office in the Compound of the New Taluq Cutchery at Villupuram in the South Arcot District. The Estimate was prepared on the type design, circulated with G.O. No 100 W. dated 14th January 1884.

I have the honor to be
Sir,
Your most Obedt. Servant
[illegible] Col. R.E.
Supdg: Engineer 5th Circle
T.N.

From Aye Mg Deptt (Office Accommodation)

THE SUPERINTENDING ENGINEER,

5TH CIRCLE,

To

THE

No. 2973

Dated 4 } November 1884
Recd. 5 }

ENCLOSURES. 4

7071

No.

Forwarding Plans and Estimate for Constructing an office for the Sub Registrar of Villupuram in South Arcot, and requesting that the same may be submitted for the sanction of Government.

7. N. 4830. 7th November/84

Bangalore

Submitted for the sanction of the Government.

The revised design of building does not meet the requirements of this department, and I have therefore not revised the estimate.

W. Hamnett

Inspr. Genl. of Regn.

To

The Chief Secretary to the Government

Fort St. George

No. 1491 W.

PUBLIC WORKS DEPARTMENT.

1491/28

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 12th June 1886

READ the following

From the Inspector General of Registration R.C. No. 1799 d/ 15th May 1886.

Endt. of the Judicial Depto. R.C. No. 867 C d/ 28 May 1886.

4 The estimate amounting to Rs 3,020, for constructing a sub-registrar's office at Villupuram in the South Arcot District, is sanctioned for execution when funds are available.

2. The estimate of Rs. 2,640, received with Proceedings dated 10th Decr. 1884 No. 3222 (Mis.) Judicial, was not sanctioned pending issue of the revised type design circulated with G.O. No. 1049 W, dated

dated 5th May 1885.

3 This sanction has been registered as Provincial No 45 W. of 1886-87, and classified as Civil Buildings, Original Works.

10.6.86

11/6/86

12.6.86

Despd
22/6/86

To

The Supdt Engineer [illegible] Circle
with [illegible] enclosure.

" Examiner of P. W. Accts
with the Supdt: Engrs estimate.

" Judicial Department.

1491/36

Prdg. 29-1-84: 246 Mr.
Pub. 11-3-84: 491 M.
Jud. 10-12-84: 3222 Mr.
— " — 18-12-84: 3374 Mr.
— " — 30-12-84: Rot. C. No. 4972
P. pr. 5-8-85: 1049 Mr.
p 543-27-2-85.

1.3

No. 864 C

Approved and transferred to the Public Works Department.

By order.

D. G. Carden 25/5

Ag. Asst. Secy.

28. 5. 86.

CURRENT No. 1825

Judicial (1886) Department.

"Registration" Proceedings 169

From

The Inspector General
of Registration,
Madras.

To

The Chief Secretary
to the Government,
Ootacamund.

Dated 15th } May 1886
Received 15 }
Recd 2/6/86

3. No. 1799.

Enclosures (five) 6 encls. a. flag.

No.

Submitting for Sanction of Government a revised Estimate for constructing a Sub-registry office in the compound of the new Taluk Cutcherry at Villupuram, in the district of South Arcot.

Ord. 1295.

Reminder 8-6-86 & 12-6-86

149/38

4169

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated 12/6/86

Recd. Encl.

G.O. 12th June 1886, No. 1491 W

Sub. registrar's office

Estimate of Rs 3,020, for constructing a — at Villupuram, in the S. Arcot Dt, sanctioned

60/4

[illegible]