(1) பக்கங்களின் எண்ணிக்கை 20

(2) புதுக்கித் திருப்பிய நாள் -3-90

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

Pw துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 813 W அச்சகம்
பலவகை

நாள் : 16.1.1893 ~~198~~.

மடிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

17TH AUGUST 1892, No. 2274 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper :—

Note by the Chief Engineer, Public Works Department.

With the schedules of quantities and descriptive specifications of type designs for public buildings, abstracts of the quantities are also printed and rates assigned to each descriptions of work.

2. Exception has been taken to particular works on account of the rates entered therein not agreeing with the printed rates entered in the abstract of the estimate for type designs and unnecessary correspondence and delay has ensued thereby. The Chief Engineer desires, therefore, to point out that the printed rates are intended merely to give an approximate idea of the cost of the various buildings at rates prevailing in the Presidency town. They are in no way indicative of the rates at which similar descriptions of work can be executed in up-country stations and which must vary with local circumstances.

OOTACAMUND,
10th August 1892.

(Signed) J. PENNYCUICK, Colonel, R.E.,
Chief Engineer, P.W.D.

ORDER—dated 17th August 1892, No. 2274 W., Public Works.

The Chief Engineer's note will be forwarded for information to Heads of Departments.

(True Extract.)

(Signed) J. PENNYCUICK, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
,, the Consulting Architect.
,, the Public, &c., Departments.
,, the Revenue Department.

Exd. A. D. Xavier.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1892} Madras.

PUBLIC WORKS.

Dated August, 17th.

Recd. *Encl.*

G.O., 17th Aug. 1892, No. 2274 W.

AUGUST.

Public Buildings

Note by the Chief Engineer on the rates entered in the printed abstract of the estimate for type designs for —, forwarded, for information, to Heads of Departments.

4/83

16TH JANUARY 1893, No. 83 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads. Civil Works.

READ—the following papers :—

G.O., dated 7th December 1892, Mis. No. 5355, Revenue.

Read—the following paper :—

Proceedings of the Board of Revenue (Land Revenue), dated 1st November 1892, Mis. No. 7031.

From the Collector of Kistna, to the Secretary to Government, Public Works Department (through the Secretary to the Commissioners of Land Revenue), dated 19th June 1892, No. 5076, and the following Reference thereon, dated 2nd August 1892 :—

On comparing the rates allowed for certain items in the estimate forwarded with the above letter with those given in the standard estimate circulated to Collectors with Board's Proceedings, dated 8th December 1891, No. 703, the Board observes a large increase under the following heads :—

	Rate as per standard design.			Rate as given in the present estimate.		
	RS.	A.	P.	RS.	A.	P.
Concrete	14	0	0	18	12	0
Flat archwork	22	8	0	27	12	0
Circular archwork –	23	8	0	29	0	0
Tiled roofing, &c.	14	1	0	16	12	0
Flooring with asphalte	17	8	0	20	0	0
Painting wood-work, &c.	2	12	0	4	0	0
Levelling course of concrete, &c.	7	0	0	9	6	0

The Collector is requested to obtain from the Executive Engineer and submit to the Board an explanation for these very considerable variations.

From the Collector of Kistna, dated 30th September 1892, No. 8107.

Resolution—dated 1st November 1892, Mis. No. 7031.

The estimate received with the first letter read above for the construction of a new taluk office with out-houses, &c., at Masulipatam at a cost of Rs. 36,400 is submitted for the sanction of Government with reference to G.O., dated 1st June 1891, No. 3215.

2. The main building is estimated to cost Rs. 32,650, which is Rs. 5,190 more than the standard estimate. The increase is chiefly due (1) to the substitution of flooring slabs of marble 12″ or 15″ square for square bricks 8″ square, and of similar lime stone pillars for teak posts; (2) to provision for plastering the interior of the building with Portland cement instead of with ordinary chunam; and (3) to a large increase in the rates under certain heads, as compared with those entered in the standard estimate, consequent on stone, lime and sand having to be conveyed from long distances and on the price of bricks being high owing to scarcity of firewood in the neighbourhood of Masulipatam.

3. The limestone pillars and flooring slabs are practically imperishable and will be an economy in the end. Portland cement plaster is essential in Masulipatam as without it no brick-work can withstand the corrosion of salt air and soil.

(A true Copy and Extract.)

(Signed) W. S. MEYER,
Acting Secretary.

Order—dated 7th December 1892, Mis. No. 5355, Revenue.

Approved and transferred to the Public Works Department.

(Signed) C. A. GALTON,
Secretary to Government.

Note by the Acting Chief Engineer, Public Works Department.

The estimate provides for the basement and superstructure being executed in "Random rubble;" such work, though suited for "retaining" and other walls subjected to transverse strain, is not suitable for house walls, for which, if rubble is used, it should be "coursed"— see chapter XIII, sub-head 6, clauses 1 and 2 of the standard specifications.

3rd January 1893.

(Signed) G. T. WALCH,
Ag. Chief Engineer, P.W.D.

ORDER—dated 16th January 1893, No. 83 W., Public Works.

The estimate, amounting to Rs. 36,400, for constructing a first-class taluk-office at Masulipatam in the Kistna district, is sanctioned.

2. Attention is called to the note by the Chief Engineer.

3. It is observed that there is an allotment of Rs. 6,000 for the work in the current year.

4. This sanction has been registered as Provincial No. 92 W. of 1892-93 and classified as Civil Buildings, Original works.

(True Extract.)

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

To the Superintending Engineer, II Circle,
with plans and estimates (14).
„ Examiner, Public Works Accounts.
„ Revenue Department.
Editors' Table.

Exd. S. J. Pereira.
Spare Copies

3/83

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1893} Madras.

PUBLIC WORKS.

Dated January, 16th.

Recd. Encl.

G.O., 16th Jan. 1893, No. 83 W.

JANUARY.

Taluk Office at Masulipatam

Estimate of Rs. 36,400 for constructing a 1st-class — in the Kistna district, sanctioned, with remarks.

Read the following [illegible]

[illegible] June 1892 [illegible]

Proceedings of the Board of Revenue

(Land Revenue),

Dated 1st November 1892,

No. 7031

Read Letter from the Collector of Kistna dated 19th June 1892 No. 5076 to the Joint Secretary to the Government Public works Department, through the Secretary to the Commissioners of Land Revenue – And the following Reference thereon dated 2d August 1892.

On comparing the rates allowed for certain items in the estimate forwarded with the above letter with those given in the standard estimate circulated to Collectors with B. P. dated 8th December 1891 No. 703, the Board observes a large increase under the following heads:—

Vide 178
11-1-92

130 W

	Rate as per standard design Rs.	Rates given in the present estimate Rs.
Concrete	14-0-0	18-12-0
Flat arch work	22-8-0	27-12-0
Circular arch work	23-8-0	29-0-0
Tiled roofing &c	14-1-0	16-12-0

	Rate as per standard design Rs	Rate as given in the present Estimate Rs.
Flooring with asphalt	17-8-0	20-0-0
Painting woodwork &c	2-12-0	4-0-0
Levelling course of concrete &c	7-0-0	9-6-0

The Collector is requested to obtain from the Executive Engineer and submit to the Board an explanation for these very considerable variations.

Read also letter from the Collector of Kistna dated 30 September 1891 No. 8107.

Resolution

The estimate received with the first letter read above for the construction of a new taluk office with outhouses &c at Masulipatam at a cost of Rs. 36400 is submitted for the sanction of Government with reference to G.O. dated 1-6-91 No. 3215.

2 The main building is estimated to cost Rs. 32650 which is Rs. 5190 more than the standard estimate. The increase is chiefly

due

due (1) to the substitution of flooring slabs of marble 12" or 15" square, for square bricks 8" square, and of similar limestone pillars for teak-posts, (2) to provision for plastering the interior of the building with Portland cement instead of with ordinary chunam and (3) to a large increase in the rates under certain heads, as compared with those entered in the standard estimate, consequent on stone, lime and sand having to be conveyed from long distances and on the price of bricks being high owing to scarcity of firewood in the neighbourhood of Masulipatam.

3. The limestone pillars and flooring slabs are practically imperishable and will be an economy in the end. Portland cement plaster is essential in Masulipatam as without it no brick work can withstand the corrosion of salt air and soil.

(True copy & Extract)

ag. Secretary

To. The Secretary to Govt. R.D. with letters & their enclosures to be returned

Collector of Kistna.

G.O 15-6-91 No 3215 Mis
B.P 8-12 — 703
G.O 11-11-91 No 3023 W

Revenue (1892) Dept.

Board of Revenue
(Land Revenue)
Madras

To

The Secretary to Govt. R.D

Rd 4 Nov 92
Pro. dated 1-11-92
No. 703 / [illegible]
Encls. 10

NOV 92

Subject

Submitting for the sanction of Govt. estimate for constructing a Taluk office at Masulipatam.

61
[illegible]

(1892.)

REVENUE DEPARTMENT.

P. W. CURRENT No. 12347

Current Number 9401.

From

Board of Revenue
(Land Revenue)
Madras.

To

The Secretary to Govt.
Rev. Departt.

Dated 1st November 1892

Received 4th — — — "

Enclosures No. 15

Recd. 13-12-92

No.

SUBJECT.

Submitting for the sanction of Govt. estimate for constructing a taluk office at Masulipatam.

ABSTRACT.

3

Mis. G.O. No. 5355

Approved and transferred to the Public Works Department.

Fort St. George
7th December 1892

[illegible]
Secy. to Govt.

No. 1048 w d/ 15-4-91
" 1129 w - 23-4-91
" 747 w - 14-3-91
" 1434 w - 26-5-91
" 1652 w - 18-6-91
" 1765 w - 30-6-91
" 2122 w - 8-8-91
" 2015 w - 27-7-91
" 2287 w - 24-8-91
" 2131 w - 8-8-91
" 3913 C - 3-9-91
" 3023 w - 11-11-91
" 3122 w - 20-11-91
" 130 w - 15-1-92
" 2274 w - 17-8-92

1/83 4

Note by the Chief Engineer P.W.D.

The estimate provides for the basement and Superstructure being executed in "Random Rubble" ~~and~~ work, those ~~suited for pointed on the exterior~~ "plaiming" and the walls ~~in Portland Cement~~. The subjected to transverse strain ~~under size of Corridors~~ not suitable for those walls ~~with reference~~ to Chapter XIII, Sub head 6, Clauses 1 and 2 of the Standard specifications, ~~that the rubble should be coursed~~.

for which, if rubble is used, it should be "Coursed"

Cfr
3/1/92 E W

B.O.B.
2.1.93

The estimate provides for the basement & superstructure being executed in "Random Rubble" and pointed exteriorly in Portland cement - Item 143 of the Schedule of rates shows that this description of work has been substituted for "Coursed rubble" generally in the Dt. Random rubble uncoursed is the most inferior description of walling, even if coursed it is inferior, and such description of work would not look well when pointed -

I think that coursed rubble should be used if the stone can be adapted to the purpose - If it is proposed to build with stone from the Bezwada Quarries (and I see now that it is.) random rubble can only be executed, but it should be coursed.

Sanitary Engr.
13.12.92

8/83

Public Works Department.

Current No. 13327.
Letter No. 5055
Dated 7th December 1892.
From the Revenue Dept.

Technical Note.

Name of Work Constructing a Taluq Office at Masulipatam, Kistna District

Amount of Estimate, Rs. 36,400.

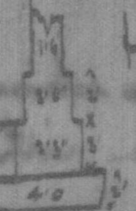
Particulars of Estimate.

Main Building	Office.	Rs. 32,650
Subsidiary Buildings	Cook house	750
	Latrine	,, 840
Retaining walls & ladders		1,290
Forming road, gate with pillars &c.		200
Contingencies	5% (Rs 1636)	,, -
Petty Supervision	2½% (819)	,, -
Land compensation		,, 470
Well		200
Total Rupees ...		36,400

Particulars of Construction.

Surface soil } not stated in the report
Sub soil

Foundations are to be 5 feet deep, the lower 2 feet to be of concrete & the upper 3 ft of rubble in chunam, as per section in the margin.



Basement is to be raised 2 feet high & built of rubble in chunam.

Walls are to be raised to the heights noted in the type designs & built of random rubble in chunam with flat & semi-circular archwork of brick in chunam over doors & windows

Plastering or Pointing the interior faces of the walls are to be plastered with Portland cement & the exterior faces pointed with Portland cement

Flooring is to be of Cuddapah stones laid on 6" of concrete & pointed with cement except for the record room & jail wards which are to be of ¾" asphalte laid on 6" of concrete

Roofing is to be tiled with flat & pan tiles laid over teak reepers supported by teakwood rafters, purlins, trusses &c.

Doors and Windows are to be of teakwood & of the descriptions noted in the estimate & painted with 3 coats of Cream oak paint

Roof timbers are to be of teakwood & painted with 3 coats of zinc white paint

Scantlings are correct as per printed estimate.

Rates many of the rates cannot be checked but data are submitted, vide remarks below

The plinth area of the main building is 10,842 square feet, and the cost per square foot will be Rs. 3-0-3 which may be considered high but it is due partly to high rates & cement plastering

The ~~plans and~~ estimate has ~~have~~ been countersigned by the Collector but they have passed through that office and approved in the Revenue Department, ~~Department~~.

REMARKS.

This estimate provides for constructing a first class taluq office with out-houses at Masulipatam in the Kistna Dist.

The estimate for the main building is based on the type design circulated with G.O. No. 3023W dated 11th Novr. 1891 & for the out-houses as per design approved in G.O. No. 1409W dated 24th May 1889.

Provision is made in the estimate for fitting the record room with 24 wooden racks, each 6 × 2½ × 9'11" & a moveable step ladder, also for sinking a well 6 feet in diam.

No site plan accompanies the estimate but provision is made to the extent of Rs 470 as compensation for land.

The following rates are high when compared with the schedule of rates

	Rate list	estimate
Concrete ——	17·0·0 against	18·13·0
Rubble in mortar	19·0·0 —do.—	30·0·0

Many of the rates cannot be checked (rates in the rate list is incomplete (rates not filled in) but data are submitted for the rates.

The necessity for face dressing the walls at the jambs & soffits of doors & windows at a cost of Rs 400 is not clear especially when the walls are plastered with Portland cement including the jambs & soffits. If this item be omitted the saving will be Rs 150 being the difference between the cost of rubble masonry & faced stonework.

A/

9/83

PUBLIC WORKS DEPARTMENT.

G.O. 83. W dd 16th January /93

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Print

Prod. of the Bd of Rev. (Land Rev.) No. 7031 mis d/ 1st Novr. 1892

Prod. in the Rev. Dept. No. 5355 mis d/ 7th Decr. 1892

Note by the Chief Engineer, P.W.D d/ 3d Jany /93

5 Rec

The estimate, amounting to Rs. 36400, for constructing a first class taluk office at Masulipatam in the Kistna District, is sanctioned.

W 14 Jan

10 Jan

2. Attention is called to the note by the Chief Engineer.

3. It is observed that there is an allotment of Rs. 6000 for the work in the current year.

4. This sanction has been registered as Provincial No. 92 W of 1892-93 and classified as Civil Buildings, Original Works.

Note

It is proposed to "Communicate this G.O. to the 'Editor's Table'"

To

The S.E. II Circle with ~~plans & estimate~~

Exar P.W. Accts

Revenue Dept

Table

3/2

3/2/93

(2) His Excellency the Governor

(1) The Hon'ble Sir G. Stokes KCSI

[illegible]

T K

B. [illegible]

95

10/83

[illegible] 9/1 R 11/1

C No 12347

Govt. of 1893 Madras.
PUBLIC WORKS.

G.O. 16th January 1893 No. 83 W.

Taluk office at Masulipatam

Estimate of Rs 36,400 for constructing a first class — in the Kistna District, sanctioned with remarks.

5/7/1

J.C. 5/7/1