CK PAPERS

# Public Works (1897) Department.

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**G.O., No.** 1268-69 W.

**DATED** 17. May 1897

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[Despatch Abstract.]

Residences for Govt. Officials: Ordered that a reminder be sent to the Govt. of India soliciting early disposal of the question of the revision of the rules relating to the purchase and construction of — and the rents to be charged for them and that the Consg: Architect be directed to state his views on the point whether the cost of buildings cannot be reduced by using cheaper materials.

The Govt. of India addressed

DC 17/5/97

Indexed. 19/5

## BACK PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
|  | 1857 | C | 1.4.97 |  |  |  |  |

## FURTHER PAPERS.

| G.O. | No. | Department. | Date. | G.O. | No. | Department. | Date. |
|---|---|---|---|---|---|---|---|
|  |  |  |  |  |  |  |  |

(40—4,000—2-11-95.)

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B

PUBLIC WORKS DEPARTMENT.

No 1268 W of 17th May 1897

# PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Endorsement in the Marine Department No.311 E., dated 4th May 1897, on letter from the Presy. Port Officer, Madras, No.1678/142 G., dated 15th April 1897.

His Excellency the Governor in Council observes that the general question of the revision of the rules relating to the purchase and construction of residences for Government officials, and the rents to be charged for them, has been before the Government of India for some time. The orders of that Government must be awaited, but a reminder will be sent soliciting early disposal of the matter.

2. It will meanwhile be considered whether the cost of buildings cannot be reduced by using cheaper materials. The Consulting Architect will state his views on this point.

T. [illegible] 17-5-97

To
The Marine Department.
,, Consg. Architect.

19/5/97

H.E. No. 1269 W., dated 17th May 1897.

To

The Secretary to the
Government of India,
P. W. Department.

Sir, I am directed to invite attention

0/11/5

attention to Col. Pennycuick's letter No. 2432 W. dated 3rd October 1895 on the subject of the rules relating to the purchase or construction of residences for Government officials, and the rents to be charged for them, and to say that His Excellency the Governor in Council will be glad of the early orders of the Government of India thereon.

I have &c.

4/5/97

W.

R.S.

Desptd 19/5/97

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Marine ~~P. W.~~ DEPARTMENT.

Residences for Port Officers

READ the following:—

From the Presidency Port Officer, Madras, No. 1678/142 G., dated 15th April 1897.

The ~~Hon Mr. Bliss C.I.E.~~

**FOR ORDERS.**

Whether the reasons advanced by the Presidency Port Officer are sufficient to justify a special reference to the Government of India for relaxation of the rules in favour of Port Officers.

2. It will be seen from G.O. No. 2432× W. dated 3rd Oct. 1895, that the general question of altering the rules for provision of residences for public officers and reassessing rents is now before the Government of India, but a long time has elapsed since the matter was sent up, and it is impossible to say when the subject will be disposed of.

28/4/97

M.

×Flag C.

I think we should send a reminder – In the meantime, I dont feel disposed to go beyond the rules or to make a special exceptn in favour of Port Officers. It might however be considered whether the cost of buildings cannot be reduced by using cheaper materials – I can't see why houses shd. be built for Govt. servants as if intended to last for eternity –

RS
30/4/97

R.S.

43—500-6-3-94.

H.M. 28.4.97 R 1-5-97

FOR ORDERS.

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Public works

# ~~Marine~~ (1897) Department.

CURRENT No. ~~568~~ 4564

No. 311 E, 4th May 1897

Transferred to the Public works Dept.

~~Order~~

M

To the P.W. Dept. with a note by the Hon. Mr. Bliss C.I.E.

C.S.

**From** Commander H. A. Street R.I.M. Presidency Port Officer

**To** The Secretary to Government Marine Department

No. 1678/142 G. Chepak

**Dated** 15th April 1897.

**Received** 8.5.97

**Registered** ~~20.4.97~~

**Enclosures** ~~3~~ 4 (1 plan)

**Spare copies** —

SUBJECT.

Forwards remarks on Public Works Memorandum No. 1857 C dated 1st April 1897 regarding provision of residence for Port Officers.

## BACK PAPERS.

| No. | Date. |
|---|---|

## FURTHER PAPERS.

| No. | Date. |
|---|---|

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Based on design circulated with G.O. W. 413W dated 16.2-93.

## ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Work. Constructing Quarters for the Port Officer at Negapatam | | | | | | |
| Surface soil – Sand to a depth of 4 feet. | | | | | | |
| Sub soil – Clay. | | | | | | |
| Excavation: | | | | | | |
| Walls all round Hall | 1. | 74.0" | | | | |
| Right bed room | 1 | 49.0 | | | | |
| Left bed room | 1 | 34.6 | 4.0" | 6.0" | 4668 | |
| Front verandah & stairs | 1 | 37.0" | | | | |
| Rear verandah & bath room | 1 | 56.6" | | | | |
| – do – cross walls | 2 | 4.0 | 4.0" | 4.0" | 1032 | |
| Steps front & rear | 2 | 22.0" | 3.0" | 0.9" | 99 | |
| – do – bath room | 2 | 3.0" | 1.6" | 0.9" | 7 | |
| Steps for sweeper | 1 | 6.0" | | | | |
| – do. – do. | 2 | 4.6" | 3.0" | 5.0" | 225 | |
| Total qty of Excavation | | | | | | 6,031 |
| Concrete: | | | | | | |
| vide excavation | | | | | | 6,031. |
| Brick in chunam: | | | | | | |
| Basement walls all round, hall | 1 | 74.0" | | | | |
| Right bed room | 1 | 52.7½" | | | | |
| Left bed room | 1 | 36.7½" | | | | |
| Front verandah & stairs | 1 | 39.1½" | 1.10½" | 2.0" | 1025 | |
| Rear – do. & bath room | 1 | 58.7½" | | | | |
| Partition in bath room | 2 | 6.1½" | | | | |
| Steps front & rear | 2 | 21.6" | 3.0" | 1.0" | 129 | |
| – do. – parapets | 4 | 3.0" | 0.9" | 1.0" | 9 | |
| C.O. | | | | | 1,169 | |

ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward. | | | | | 1163 | |
| Steps to bath rooms | 2 | 3.0" | 1.6" | 1.0" | 9 | |
| Sweepers stairs | 2 | 2.7½" | 3.0" | 2.0" | 31 | |
| Do. | 1 | 3.9" | 3.0" | 1.6" | 17 | |
| Total cft of basement | | | | | | 1220 |
| Superstructure | | | | | | |
| Hall all round | 1 | 74.0" | 1.6" | 12.6" | 3788. | |
| Right bed room | 1 | 51.6 | | | | |
| Left bed room | 1 | 37.0" | | | | |
| Front verandah & stairs | 1 | 39.6" | | | | |
| Bath room in rear | 2 | 26.0" | 1.6" | 7.4" | 572 | |
| Do. half gables | 4 | 6.6" | 1.6" | 1.9" | 68 | |
| Pillars rear verandah | 2 | 1.6" | 1.6" | 6.6" | 29 | |
| Add extra for pillar base | . | 40.6" | 0.2¼" | 1.0" | 8 | |
| Coping all round first floor | ,, | 143.0" | 0.3" | 0.9" | 27 | |
| Piers of stairs | 1 | 15.0" | 3.0" | 6.6" | 293 | |
| Parapet of do. | 1 | 30.0" | 0.6" | 3.0" | 45 | |
| do for inner | 1 | 25.0" | 0.6" | 3.0" | 38. | |
| Total cft. | | | | | 4,868 | |
| Deductions. Front arch to spring | 3 | 5.8" | 1.6" | 6.0" | 153 | |
| do. above spring | 3 | 12.6" | ” | 1.6" | 56 | |
| Opening under stairs | 1 | 4.3" | 3.0" | 1.6" | 19 | |
| do. do. | 1 | 5.0" | 3.0" | 7.6" | 113 | |
| Doorways | 4 | 4.0" | 1.6" | 8.0" | 192. | |
| do. | 1 | 3.0 | 1.6" | 8.0 | 36 | |
| do | 2 | 3.0" | 1.6" | 7.0" | 63 | |
| do. | 2 | 3.0" | 1.6" | 6.6" | 59 | |
| C. O | | | | | 691 | |

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ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward | | | | | 691 | |
| Windows | 9 | 3.6" | 1.6" | 5.3" | 248 | |
| do. recess | 9 | 3.6" | 0.9" | 2.9" | 65 | |
| do. in bath room | 1 | 3.0" | 1.6" | 3.9" | 17 | |
| do recess | 1 | 3.0" | 0.9" | 2.9" | 6 | |
| Swing ventilator | 1 | 2.6" | 1.6" | 2.0" | 8 | |
| Recesses | 1 | 4.0" | 0.9" | 8.0" | 24 | |
| do. | 1 | 3.6" | 0.9" | 8.0" | 21 | |
| do | 3 | 3.0" | 0.9" | 7.0" | 47 | |
| Archwork as per detail | | | | | 253. | |
| Total deduction | | | | | | 1380 |
| Total cft of brick in mortar less deduction | | | | | | 3488. |
| Brick in chunam. Upper floor. | | | | | | |
| Longitudinal wall | 1 | 45.7½" | 1.1½" | 12.0" | 1853 | |
| Do. | 1 | 34.1½" | | | | |
| End wall & partition | 4 | 14.4½" | | | | |
| Gables | 4 | 14.4½" | 1.1½" | 2.6" | 161 | |
| Verandah long. walls | 2 | 12.9½" | 1.1½" | 7.6" | 213 | |
| do. end partitions | 3 | 6.10½" | 1.1½" | 10.0" | 232 | |
| Verandah pillars | 2 | 1.6" | 1.1½" | 6.0" | 20 | |
| Add for extra bases | 1 | 18.0" | 0.2¼ | 0.9" | 3 | |
| Parapet | 3 | 5.8" | 0.9" | 0.9" | 10 | |
| do. | 3 | 5.8" | 0.6" | 1.9" | 15 | |
| do. | 3 | 5.0" | 0.9" | 0.6" | 6 | |
| Total cft. | | | | | 2,513 | |
| Deductions. doorways | 3 | 4.0" | 1.1½" | 8.0" | 108 | |
| do. | 1 | 3.0" | 1.1½" | 7.0" | 24. | |
| do. | 1 | 2.6" | 1.1½" | 6.6" | 18 | |
| C. over. | | | | | 150 | |

E. 120.
5,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward | | | | | 150. | |
| Windows | 5 | 3.6" | 1.1½" | 3.6" | 69 | |
| do. | 9 | 3.6" | 1.1½" | 5.0" | 138 | |
| Swing ventilator | 1 | 2.6" | 1.1½" | 2.0" | 6 | |
| Archworks as per details | | | | | 96 | |
| Total deductions | | | | | 459 | |
| Total Cft. of masonry upper floor. | | | | | | 2054. |
| Archwork: | | | | | | |
| Lower floor. Verandah arches | 3 | 10.6" | | | | |
| Over doors | 4 | 5.0" | 1.6" | 1.1½" | 182 | |
| do. | 4 | 4.0" | | | | |
| do. windows | 9 | 4.6" | | | | |
| Over recesses | 1 | 5.0" | | | | |
| do. | 1 | 4.6" | 1.6" | 1.1½" | 36 | |
| do. | 3 | 4.0" | | | | |
| Archwork over stairs | 1 | 8.6" | | | | |
| do. | 1 | 9.6" | 3.0" | 0.9" | 41. | |
| Total Cft. of archwork | | | | | | 259 |
| Upper floor. Over doors | 3 | 5.0" | | | | |
| do. | 1 | 4.0" | | | | |
| do. | 1 | 3.6" | 1.1½" | 1.1½" | 96. | |
| Windows | 11 | 4.6" | | | | |
| do. ventilator | 1 | 3.6" | | | | |
| Total Cft of archwork | | | | | | 96. |
| Brick in chunam for steps: | | | | | | |
| Stairs inner | 19 | 3.3" | 1.0" | 0.6" | 31 | |
| do. outer | 20 | 3.0" | 0.9" | 0.9" | 34 | |
| Total Cft. of masonry steps | | | | | | 65. |

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E. 120.
5,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Cut stone work: | | | | | | |
| Bed plates under beams | 4 | 1.6" | 1.6" | 0.5" | 4 | |
| Caps to rear verandah pillars | 2 | 1.9" | 1.9" | 0.5" | | |
| do. at ends | 2 | 1.6" | 1.9" | 0.5" | 5 | |
| do. upper verandah pillars | 2 | 1.9" | 1.9" | 0.5" | | |
| do. at ends | 2 | 1.6" | 1.9" | 0.5" | 5 | |
| Total Cft. of cut stone work | | | | | | 14. |
| Flooring with Square bricks: | | | | | | |
| Hall. | 1 | 20.0" | 14.0" | .. | 280 | |
| Room large. | 1 | 22.0" | 10.0" | .. | 220 | |
| do small | 1 | 14.0" | 10.0 | .. | 140 | |
| Verandah front & rear | 2 | 20.0" | 6.6" | .. | | |
| Stairs | 1 | 11.6" | 6.6" | .. | 335 | |
| Between pillars | 6 | 5.8" | 1.6" | .. | 51 | |
| Steps front & rear | 6 | 20.0" | 1.0" | .. | 120 | |
| do to bath rooms | 4 | 3.0" | 0.9" | .. | 9 | |
| do. sweepers | 20 | 3.0" | 0.9" | .. | 45 | |
| do landing | 1 | 3.0" | 2.6 | .. | 8 | |
| do inner | 19 | 3.0" | 1.0" | .. | 57 | |
| do do landing | 1 | 3.0 | 6.6" | .. | 20 | |
| Total Sq ft of 8" Sq tile flooring. | | | | | | 1285 |
| Cement flooring: | | | | | | |
| Bath rooms | 2 | 10.0" | 6.6" | .. | 130 | |
| Total Sq ft of Concrete flooring &. | | | | | | 130. |
| Terrace flooring with brick on edge &: | | | | | | |
| Upper room | 1 | 20.6" | 14.6" | .. | 297 | |
| do. bed large | 1 | 10.6" | 15.3" | .. | 160 | |
| do. bed small | 1 | 10.6" | 14.6" | .. | 152 | |
| C. over. | | | | | 609 | |

ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward | | | | | 609. | |
| Verandah | 1 | 20·6" | 7·0" | .. | 144 | |
| Total sqr. of Terrace flooring with brick on edge ft. | | | | | | 753. |
| Terraced flooring with cement plaster | | | | | | |
| Bath room upper | 1 | 10·6" | 7·3" | .. | 76 | |
| Total sqr. of Terrace flooring with cement plaster ft. | | | | | | 76. |
| Teakwoodwork | | | | | | |
| Beams | 2 | 16·6" | 0·7" | 1·0" | 19 | |
| Joists central | 21 | 7·3" | 0·3" | 0·5" | 25 | |
| do. sides | 22 | 7·6" | 0·3" | 0·5" | | |
| do. large room | 17 | 11·6" | 0·3" | 0·6" | 40 | |
| do. small | 11 | 11·6" | 0·3" | 0·6" | | |
| do. front verandah | 17 | 8·0" | 0·3" | 0·5" | 14 | |
| Staircase beam | 2 | 8·0" | 0·5" | 0·8" | 4 | |
| do. joists sloping | 6 | 9·0" | 0·3½" | 0·6" | 8 | |
| do. do landing | 3 | 8·0" | 0·3" | 0·5" | 3 | |
| Rear verandah bressummer | 3 | 7·6" | 0·5" | 0·5" | 4 | |
| Rafters do. | 13 | 11·9" | 0·3" | 0·5" | 33 | |
| do. bath room | 14 | 11·9" | 0·3" | 0·5" | | |
| Eave board | 1 | 46·0" | 0·¾" | 0·7" | 2 | |
| Wall plate in hall | 2 | 15·0" | 0·3" | 0·4" | 3 | |
| do large room | 2 | 23·0" | 0·3" | 0·4" | 4 | |
| do small room | 2 | 15·0" | 0·3" | 0·4" | 3 | |
| do. front verandah | 2 | 21·0" | 0·3" | 0·4" | 4 | |
| do. rear do. | 1 | 46·0 | 0·3" | 0·4" | 4 | |
| do do. lower | 2 | 12·0 | 0·3" | 0·4" | 2 | |
| do at landing | 2 | 4·0" | 0·3" | 0·4" | 1 | |
| C. over | | | | | 173 | |

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ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Brought forward | | | | | 173. | |
| 1st floor. Rafters rear slope | 32 | 12·0" | 0·3" | 0·5" | 108 | |
| do front slope | 32 | 10·6 | 0·3" | 0·5" | | |
| Verandah & room rafters | 26 | 12·0" | 0·3" | 0·5" | | |
| Braces | 60 | 12·9" | 0·3" | 0·5" | 80 | |
| Ridge at gables | 1 | 10·3" | 0·3" | 0·7" | 1 | |
| Bressummers | 3 | 9·6" | 0·5" | 0·5" | 4 | |
| Uprights under ridge | 1 | 2·7½" | 0·5" | 0·4" | 1 | |
| Planking gables | 2 | 4·0" | 1·6" | 0·¾ | 1 | |
| Wall plates | 1 | 51·0" | 0·3" | 0·4" | 10 | |
| do. | 1 | 37·0" | 0·3" | 0·4" | | |
| do. | 2 | 14·0" | 0·3" | 0·4" | | |
| Purlin in large room | 1 | 14·0" | 0·4½" | 0·7½" | 3 | |
| Uprights at gables | 2 | 10·0" | 0·3" | 0·5" | 2 | |
| do. | 2 | 4·4½ | 0·5" | 0·4" | 1 | |
| Barge board | 2 | 12·0" | 0·¾" | 0·7½" | 3 | |
| do. | 2 | 21·4½ | 0·¾" | 0·7½" | | |
| do pieces | 6 | 1·3" | 0·¾" | 0·7½" | 1 | |
| Eave board | 1 | 49·0" | 0·¾" | 0·7 | 2 | |
| Gable planks | 4 | 4·0" | 0·¾ | 0·6" | 2 | |
| Barge board | 2 | 7·0" | 0·¾" | 0·7½" | 1 | |
| Eave board | 2 | 19·0" | 0·¾" | 0·7" | 1 | |
| Valley rafters | 2 | 11·0" | 0·3" | 0·5" | 12 | |
| Gable rafters | 2 | 10·0" | 0·3" | 0·5" | | |
| do | 2 | 9·0" | 0·3" | 0·5" | | |
| do. | 2 | 7·6 | 0·3" | 0·5" | | |
| do. | 2 | 7·0" | 0·3" | 0·5" | | |
| do | 2 | 6·0" | 0·3" | 0·5 | | |
| C. over. | | | | | 406 | |

E. 120.
50,000—6-6-96.

## ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward | | | | | 406. | |
| Jack rafters | 2 | 4.6" | 0.3" | 0.5" | 2 | |
| do. | 2 | 2.6" | 0.3" | 0.5" | | |
| Total Cft of teakwood work. | | | | | | 408. |
| "Wrought iron work:" | | | | | | |
| 1/2" bolts for fixing teak braces | 4×37 | × 0.538 | | .. | 69. | |
| — do — centre braces — | 32 | × 0.702 | | .. | 21 | |
| Total Cft of wrought iron work. | | | | | | 90. |
| "Venetian & panel doors:" | | | | | | |
| Main doors, lower floor. | 2 | 4.0" | .. | 8.0" | 64 | |
| — do. large room, do. — | 1 | 3.0" | .. | 8.0" | 24 | |
| — do. — upper floor | 1 | 4.0" | .. | 8.0" | 32 | |
| — do. — do — | 1 | 3.0" | .. | 7.0" | 21 | |
| Total sqft of Venetian & panel doors | | | | | | 141. |
| "Panel doors:" | | | | | | |
| Inner doors, lower floor. | 2 | 4.0" | .. | 8.0" | 64 | |
| — do — do — | 2 | 3.0" | .. | 7.0" | 42 | |
| — do. — upper floor | 2 | 4.0" | .. | 8.0" | 64 | |
| Total sqft of ~~Venetian~~ panel doors | | | | | | 170. |
| "Batten doors single shutters:" | | | | | | |
| Bath rooms. lower — | 2 | 3.0" | .. | 6.6" | 39. | |
| — do. — upper — | 1 | 2.6" | .. | 6.6" | 16 | |
| Total sqft of batten doors — | | | | | | 55. |
| "Venetian windows:" | | | | | | |
| Lower floor. — | 9 | 3.6" | .. | 5.3" | 165 | |
| — do — | 1 | 3.0" | .. | 3.9" | 11 | |
| Upper floor — | 7 | 3.6" | .. | 5.0" | 122 | |
| — do — | 5 | 3.6" | .. | 3.6" | 61 | |
| Total sqft of venetian windows. | | | | | | 359. |

## ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| "Glazed ventilators with swing shutters:" | | | | | | |
| Lower floor, bath room — | 1 | 2.6" | 2.0 | .. | 5 | |
| Upper floor, stairs. — | 1 | 2.6" | 2.0 | .. | 5 | |
| Total sqft of glazed ventilators — | | | | | | 10. |
| "Roofing with flat & pan tiles:" | | | | | | |
| Lower floor verandah — | 1 | 46.0" | 11.3 | .. | 518 | |
| Upper floor. — | 1 | 49.0" | 34.0 | .. | 1,666 | |
| Total sqft of roofing with flat & pan tiles | | | | | | 2,184. |
| "Lead sheeting:" | | | | | | |
| Valleys 1/16" thick — | 2 | 10.0" | 1.6" | .. | 30 | |
| Total lead sheeting lbs 30×3.7 | | | | | = | 111. |
| "Plastering with chunam 2 coats:" | | | | | | |
| Hall — | 1 | 68.0" | .. | 11.6" | 2070 | |
| Large room — | 1 | 64.0" | .. | 11.6" | | |
| — do — small — | 1 | 48.0" | .. | 11.6" | | |
| Bath rooms — | 2 | 33.0" | .. | 9.0" | 594 | |
| Front verandah — | 1 | 76.0" | .. | 11.6" | 874 | |
| Rear verandah — | 1 | 36.0" | .. | 9.0" | 324 | |
| Pillars in rear verandah | 2 | 4.6" | .. | 6.6" | 58 | |
| Door jambs &c. — | 4 | 20.0" | 1.1½" | .. | 327 | |
| — do. — | 2 | 17.0" | 1.1½" | .. | | |
| — do. — | 1 | 19.0" | 1.1½" | .. | | |
| — do. — | 2 | 16.0" | 1.1½" | .. | | |
| Window — do. — | 9 | 14.0" | 1.1½" | .. | | |
| — do. — sills — | 9 | 3.6" | 0.6" | .. | 16 | |
| — do. — bath room — | 1 | 10.6" | 1.1½" | .. | 12 | |
| — do — sill — | 1 | 3.0" | 0.6" | | 2 | |
| Carried over. | | | | | 4277 | |

E. 120.
50,000—6-6-96.

ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| B. forward | | | | | 4,277 | |
| Ventilator sides &c. | 1 | 9.0" | 1.1½ | .. | 10 | |
| Recesses | 1 | 20.0" | 0.9" | .. | 15 | |
| do. | 1 | 19.6" | 0.9" | .. | 15 | |
| do. | 3 | 16.0" | 0.9" | .. | 36 | |
| Verandah arches jambs &c. | 3 | 20.10½ | 1.6" | .. | 94 | |
| parapets in inner stairs | 1 | 25.0" | 6.6" | .. | 163 | |
| Upper rooms. Centre | 1 | 69.6" | 12.0" | .. | 834 | |
| do. large bed room | 1 | 49.6" | .. | 12.0" | 594 | |
| do. small | 1 | 39.1½ | .. | 12.0" | 470 | |
| do. gables | 6 | 14.4½ | .. | 2.6" | 216 | |
| do. rear portion | 1 | 10.4½ | .. | 7.0 | 73 | |
| do. do. sides | 2 | 8.0" | .. | 10.0" | 160 | |
| do. verandah | 1 | 59.4½ | .. | 10.0" | 594 | |
| do. pillars | 2 | 5.3" | .. | 6.6" | 68 | |
| do. parapets between pillars | 3 | 5.8" | .. | 3.0" | 51 | |
| do. door jambs | 3 | 20.0" | 0.9" | .. | 45 | |
| do. do. | 1 | 17.0" | 0.9" | .. | 30 | |
| do. do. | 1 | 15.6" | 0.9" | .. | 27 | |
| do. window jambs | 7 | 17.0" | 0.9" | .. | 89 | |
| do. do. | 4 | 14.0" | 0.9" | .. | 52 | |
| do. do. | 1 | 10.6" | 0.9" | .. | 18. | |
| Total sq. ft. | | | | | 7,931 | |
| Deductions: Lower floor, Panel door | 2×2 | 4.0" | .. | 8.0 | 128 | |
| do. do | 2×2 | 3.0" | .. | 7.0" | 84 | |
| do. Venetian & panel do | 2 | 4.0" | .. | 8.0" | 64 | |
| do. do. | 1 | 3.0" | .. | 8.0" | 24 | |
| C. over | | | | | 300 | |

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ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | Measurements in Feet. | | | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| | | Length. | Breadth. | Depth. | | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Brought forward | | | | | 300. | |
| Batten doors | 2 | 3.0" | .. | 6.6" | 39 | |
| Venetian windows | 9 | 3.6" | .. | 5.3" | 165 | |
| do | 1 | 3.0" | .. | 3.9" | 11 | |
| Front archways &c. | 3 | 5.8" | .. | 6.0" | 102 | |
| do. above | 3 | 12.6 | area | .. | 38 | |
| Upper floor. Venetian & panel door | 1 | 4.0" | .. | 8.0" | 32 | |
| do. do. | 1 | 3.0" | .. | 7.0" | 21 | |
| do. panel door | 2×2 | 4.0" | .. | 8.0" | 128 | |
| do. Batten door | 1 | 2.6" | .. | 6.6" | 16 | |
| do. Venetian window | 7 | 3.6" | .. | 5.0" | 123 | |
| do. do. | 5 | 3.6" | .. | 3.6" | 61 | |
| do. Ventilator | 1 | 2.6" | .. | 2.0" | 5 | |
| Total deductions sq. ft. | | | | | 1041 | |
| Total sq. ft. of plastering less deductions. | | | | | | 6890. |
| "Pointing exterior" | | | | | | |
| Plinth all around | 1 | 202.0" | .. | 2.3" | 455 | |
| Lower floor front & rear | 1 | 96.0 | .. | 13.0" | 1392 | |
| do. ends | 2 | 33.0" | .. | 13.0" | 858. | |
| Upper floor rear face | 1 | 45.7½ | .. | 12.0" | 550 | |
| do. sides | 2 | 16.7½ ~~24.8~~ | .. | 12.0" | 399 | |
| do. gables | 2 | 16.7½ ~~24.0~~ | .. | 2.6" | 83 | |
| do. Verandah ends | 2 | 8.0" | .. | 10.0" | 160 | |
| do. front | 2 | 12.7½ | .. | 7.0" | 177 | |
| do. pillar faces | 2 | 1.6" | .. | 6.6" | 20 | |
| do. parapet faces | 3 | 5.8" | .. | 3.9" | 64 | |
| Total sq. ft. | | | | | 4,158 | |

E. 120.
50,000—6-6-96.

| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| Deductions: Lower floor. batten door | 2 | 3·0" | " | 6·6" | 39. | |
| do. venetian windows | 5 | 3·6" | " | 5·3" | 92 | |
| do. do. | 1 | 3·0" | " | 3·9" | 11. | |
| do. Ventilator | 1 | 2·6" | " | 2·0" | 5 | |
| do. archways rec | 3 | 5·8" | " | 6·0 | 102 | |
| do. do. semicircular | 3 | 12·6" | area | " | 37 | |
| Upper floor. batten door | 1 | 2·6" | " | 6·6" | 16 | |
| do. Venetian windows | 4 | 3·6" | " | 5·0" | 70 | |
| do. do. | 5 | 3·6" | " | 3·6" | 61 | |
| do. Ventilator | 1 | 2·6" | " | 2·0' | 5 | |
| Total deductions | | | | | 438 | |
| Total painting less deductions sq ft | | | | | | 3,720 |
| Painting with 2 coats of Silicate paint, Oak colour | | | | | | |
| Lower floor. Main doors | 3/4 × 2 | 4·0" | " | 8·0" | 208 | |
| do. In large room | 3/4 × 1 | 3·0" | " | 8·0" | 78 | |
| Upper floor. Main door | 3/4 × 1 | 4·0" | " | 8·0" | 104 | |
| do. do | 3/4 × 1 | 3·0" | " | 7·0" | 68 | |
| Lower floor. panel doors inner | 2/4 × 2 | 4·0" | " | 8·0" | 128 | |
| do. do. | 2/4 × 2 | 3·0" | " | 7·0' | 95 | |
| Upper floor. do. | 2/4 × 2 | 4·0" | " | 8·0" | 128 | |
| Lower floor. batten door. | 2/4 × 2 | 3·0" | " | 6·6" | 88 | |
| Upper floor do. | 2/4 × 1 | 2·6" | " | 6·6" | 39 | |
| Lower floor. venetian windows | 3/4 × 9 | 3·6" | " | 5·3" | 537 | |
| do. do. | 3/4 × 1 | 3·0" | " | 3·9" | 146 | |
| Upper floor. do. | 3/4 × 7 | 3·6" | " | 5·0" | 398 | |
| do. do. | 3/4 × 5 | 3·6" | " | 3·6" | 199 | |
| Lower floor. glazed ventilator | 1 × 1 | 2·6" | " | 2·0" | 5 | |
| Upper floor do. | 1 × 1 | 2·6" | " | 2·0 | 5 | |
| Total painting doors & windows | | | | | 2224 | |

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| Detail of Work. | Number. | Measurements in Feet. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| "Painting woodwork" | | | | | | |
| Wooden partition | 2 | 10·4½" | " | 7·0" | 145 | |
| Barge board | 2 | 12·0" | 1·6" | " | | |
| do. | 2 | 21·4½" | 1·6" | " | 121 | |
| do. | 2 | 7·0" | 1·6" | " | | |
| Eave boards | 1 | 49·0" | 1·3" | " | 109. | |
| do. | 2 | 19·0" | 1·3" | " | | |
| Gable planks | 3 | 9·0" | " | 3·0" | 81 | |
| Total sq ft of painting exposed woodwork | | | | | | 456. |
| Wood oiling roof timbers say sq ft. | | | | | | 3000 |
| Wooden partition with teak frames & ½" teak planking. | | | | | | |
| | 1 | 10·4½" | " | 7·0" | 73 | |
| Total sq ft of partitioning | | | | | | 73. |
| "Coir matting floors" | | | | | | |
| Hall, lower floor | 1 | 20·0" | 14·0" | " | 280 | |
| Large room do. | 1 | 22·0" | 10·0" | " | 220 | |
| Small room do. | 1 | 14·0" | 10·0" | " | 140 | |
| Room centre upper | 1 | 20·4½" | 14·4½" | " | 293 | |
| do. do. | 1 | 10·4½" | 15·0" | " | 156 | |
| do. do | 1 | 10·4½" | 14·4½" | " | 149 | |
| Total sq ft of flooring mats. | | | | | | 1238. |
| "Bamboo chicks" | | | | | | |
| Front ~~[illegible]~~ verandah | 3 | 6·0" | " | 9·0" | 162 | |
| Rear verandah | 3 | 6·0" | " | 6·6" | 117 | |
| Front verandah upper | 3 | 6·0" | " | 6·6" | 117 | |
| Total sq ft of bamboo chicks. | | | | | | 396. |

E. 120,
50,000—6-6-96.

## ESTIMATE FORM.—Detail Measurements.

| Detail of Work. | Number. | MEASUREMENTS IN FEET. Length. | Breadth. | Depth. | Area or Contents. | Total Quantity of each description of Work. |
|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |

Mes Eng/568/97

OWE-1/4564/97

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## ESTIMATE FORM.—Abstract.

| Quantity. | Description of Work. | Rate. | Per | Amount | TOTAL. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | RS. | | RS. | RS. |
| 6031 | Cft of Excavation of foundations. | 3.7.6 | 1000 | 21 | |
| 6031 | Cft of Concrete work in foundations. | 14.8.. | 100 | 875 | |
| 1220 | Cft of Brick in mortar for basement. | 17.4.. | 100 | 210 | |
| 3488 | Cft of Brick in mortar for superstructure | 17.4.. | 100 | 602 | |
| 2054 | Cft of Brick in mortar — do. upper floor | 18.13.. | 100 | 386 | |
| 259 | Cft of archwork in mortar in lower floor | 18.12.. | 100 | 49 | |
| 96 | Cft of archwork in mortar in upper floor | 20.5.. | 100 | 20 | |
| 65 | Cft of brick in chunam for steps. | 20.8.. | 100 | 13 | |
| 14 | Cft of Cut stonework. | 2.... | Cft | 28 | |
| 1285 | Sqft of Flooring with 8" square bricks laid over 4" of concrete & pointed with cement | 12.8.. | 100 | 161 | |
| 130 | Sqft of Concrete flooring 6" thick & plastered with cement | 11.4.. | 100 | 15 | |
| 753 | Sqft of Terrace flooring with brick on edge 3" concrete & one course of flat tiles plastered above & at ceiling with chunam well rubbed & polished | 26.14.. | 100 | 202 | |
| 76 | Sqft of Terrace flooring with brick on edge 3" concrete & one course of flat tiles plastered with Portland cement ½" thick & ceiling with chunam polished | 30.... | 100 | 23 | |
| 408 | Cft of teakwood wrought & put up. | 3.12.. | Cft | 1530 | |
| 90 | lbs of wrought iron work. | ..3.. | lbs | 17 | |
| 141 | Sqft of Teak panel & venetian doors with frames &c. complete. | 1.5.. | Sqft | 185 | |

~~Grand Total of Estimate~~ .. 4337
Carried over

STATION——————
Date——————189 .

*Executive Engineer.*

**(E. No. 123.)**

50,000—6-1-96.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works.)

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## ESTIMATE FORM.—Abstract.

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Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which
the work forms part—

Section—

Name of Work—

Amount of Estimate, Rs.—

To be carried out by—

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REFERENCES.

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## ESTIMATE FORM.—Abstract.

| [illegible] | Description of Work. | Rate. | Per | Amount | Total. |
|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 |
| | | Rs. | | Rs. | Rs. |
| | Brought forward | | | 4337 ✓ | |
| 170 | Sft of Teak panel doors with frames &c. | 1.4.. | Sft | 213 ✓ | |
| 55 | Sft of Teak batten doors with frames &c. | 1..... | do. | 55 ✓ | |
| 359 | Sft of Teak venetian windows with frames &c. complete | 1.12.. | do. | 628 ✓ | |
| 10 | Sft of Glazed swing ventilators &c. | 1.4.. | do. | 13 ✓ | |
| 2184 | Sft of Roofing with flat & pan tiles including teak reepers 2"×½" complete | 19.8.. | 100 | 426 ✓ | |
| 111 | lbs of lead sheeting for valleys 1/16" thick | ..3.. | lbs | 21 | |
| 6890 | Sft of Plastering with chunam 2 coats | 2.13.. | 100 | 194 ✓ | |
| 3720 | Sft of Pointing interior with chunam | 1.10.. | 100 | 60 ✓ | |
| 2224 | Sft of Painting doors & windows with 3 coats of Charltons Silicate paint | 3.... | 100 | 67 ✓ | |
| 456 | Sft of Painting exposed roof timbers with 3 coats of Charltons Silicate paint | 3.... | 100 | 14 ✓ | |
| 3000 | Sft of Wood oiling roof timbers 2 coats | 1.7.. | 100. | 43 ✓ | |
| 73 | Sft of teak wooden screen partition with frames & ½" planking including door | ..14.. | Sft. | 64 | |
| 1238 | Sft of Coir floor matting | 1.2.. | 100 | 14 | |
| 396 | Sft of bamboo chicks with blue cloth including iron hooks, ropes, rings complete | 11.... | 100 | 44 | |
| | Compensation for land. | | | 700 | |
| | Contingencies 2½% | | | 174 | |
| | Petty Supervision 2½% | | | 173 | |

Grand Total of Estimate .. 7240

Station—

Date— 189 .

*Executive Engineer.*

(E. No. 123.)

50,000—[illegible]-1-96.

Circle—

Division—

District—

Taluk (or Estate in case of Estate Works.)

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## ESTIMATE FORM.—Abstract.

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Financial Head—

Budget Head—

Departmental Head—

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Constructing quarters for the Port Officer at Negapatam Tanjore Dist.

Amount of Estimate, Rs.— 7240.

To be carried out by—

P.W.S. 2 / 4564/97

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REFERENCES.

Mar Cmc 2 / 568/97

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No. 1678/142 G

Heading.

PRESIDENCY PORT OFFICE,
Madras, 15th April 1897.

From

Commander H. A. Street, R.N.,
PRESIDENCY PORT OFFICER,
Madras,

To

THE SECRETARY TO GOVERNMENT,
MARINE DEPARTMENT,
Chepak.

SIR,

With reference to memorandum in the Public Works department dated 1st April 1897. No. 1857, C, (enclosures herewith returned) I would offer the following remarks for the consideration of Government, viz:—

(a) In providing house accommodation for officers the pay of the officer, though taken as a basis in fixing the rent to be paid, is not the only factor to be considered, and the comparison that has been instituted between Port officers and Assistant Superintendents of Police is for several reasons not a fair one.

(b)

(b) An Assistant Superintendent of Police is as a rule a much younger man than a Port Officer; for the first few years of his appointment is unmarried, and in course of time rises to higher appointments. When holding these latter appointments, he is often stationed in places where fairly good houses are cheap, or, if a house is provided, it would be of a more commodious description. A Port Officer on the other hand has no higher appointment to look forward to, and if a married man, as he generally is, requires better accommodation than the unmarried young Assistant Superintendent of Police.

(c) The fixed pay of a Port Officer is small, and has, on a former occasion, been declared by Government to be inadequate (vide para × 5 of G.O. Marine No 224 dated 25th May 1889). This small pay does not really represent the value of the services of these officers; but owing to the conditions of service at sea, married men are willing to accept small salaries to enable them to live on shore with their families, and consequently Government thus obtains the services of an experienced man for about the same rate of pay as is given to a young Police Officer of little or no experience in his profession.

Reg. H [illegible] in the linked file

(d) A Port Officer is usually a man of at least 15 years' sea service; in some cases he has been in addition for 5 or 6 years in command of large steamers. His work brings him in contact with the leading members of the European Community at his port; he is a Magistrate and Justice of the Peace, and, in the interests of Government and for the satisfactory working of the port, it is desirable that he should command respect.

(e) The packing of a Port Officer with a wife and several children into a small house, as proposed at one of the principal ports in the Presidency, is likely to diminish the prestige which I consider is most necessary for these Officers to command.

I have the honor to be,
Sir,
Your obdt. servant,
H. A. Street
Commander R.I.M.,
Presy Port Officer

1887 & 2369

Dew

× Flagged H.

In memo No. 761 C of 6.2.97. the estimate of Rs. 13,900 for the Port officer's quarters at Vizagapatam was considered too expensive, & the S.E. was told to reduce it by omitting the upper room & by reducing the dimensions of the verandahs & bath rooms.

Marine Chr. 568.

The S.E. now states that the estimate of Rs 13,900 is the second revised one prepared in his office, and he requests this office to fix the limit of expenditure on the quarters, so that a final estimate may be drawn up.

In letter No. $\frac{1678}{521}$

OWS.3
4564(97)

of 22.2.97, the Presidency Post officer urges that the decision to reduce the accommodation proposed may be reconsidered, on the ground that although the pay of the Post officer is small, he fills a responsible position, & the climate necessitates larger accommodation ~~that~~ than that contemplated in the order from this office. Apparently Cons. Supdt. wishes the estimate of Rs 13,900 to be adhered to.

Have obtained from I. copies of the type plans of residences for Sub Collectors, Head Asst. Collrs & Police Asst. Supdts, in view to obtain orders as to whether any of these designs would be suitable. I estimates that a building on the Sub Collector's plan [illegible] with out-houses, would cost about Rs 11,500; one on the Hd. Asst. Collr's plan about Rs 10,000, and one on the Police Asst. Supdt., about Rs 6,700 including land compensation.

For orders, whether on the Presy. Post officer's representation, the design already prepared should be sanctioned, or whether a building on one of the ~~by~~ type plans should be estimated for.

The plan for Asst. Supt. of Police would perhaps be too small for a married man.

Cg
10/3/97

Certainly not

The house for A. S. P. [illegible] seems only large but I cannot understand how a building of that size as low as Rs 6700. A detailed estimate may be prepared.

13/3/97

DW

Detailed estimate, with note by I. Engr. submitted.

Cg
22-3-97

S.R.B.
Please see my remark on T's note.
C[illegible] 23/3/97

W.
For orders.
The decision was asked on your note of 2-2-97

that the quarters were too expensive for an official on Rs 300 per mensem. It is submitted that the question might, perhaps, be considered from a responsibility point of view, for the Presidency Port officer urges that the position is a responsible one: and, in point of fact, pay and responsibility do not always harmonize.

CWM
11.3.97

I think the accommodation in the design of house for the A. S. of Police is ample for an officer in position of Port Officer.

15/3/97

Ditto

The amount of Rs 7240 is for the main building alone including land compensation as under

| | |
|---|---|
| Main building | Rs 6540 |
| Compensation | 700 |
| Total. | 7240 |

The amount of Rs 7900 includes out buildings as well, inclusive of land compensation, in order to calculate the rent of the building.

24.3.97

Why Rs 7240? It is shown below to be Rs 7900 inclusive of land compensation & tools & plant.

CWM
23/3.97

W.

The question is to fix a limit. If we deduct Rs 700 for land compensation + Rs 750 for tools and plant, the estimate becomes Rs 7900. Therefore perhaps the figure might be fixed at Rs 8000 exclusive of land-compensation and tools-&-plant.

CWM 24/3.97

x as per E.E.'s design & estimate vide current No. 11433 in file.

1887

## Port Officer's Quarters at Vizagapatam.

Ditto

The accompanying estimate amounting to Rs 7240 has been framed as ordered by W. on the design for Asst. Supt. of Police, circulated with G.O. No. 413 W dated 16th Feby 1893, for which no schedule of quantities have been framed.

The estimate provides for all substantial materials throughout & the depth of foundations have been ~~framed~~ fixed according to the ~~[illegible]~~ nature of soil, viz 6 feet deep for walls carrying upper floor & 4 feet for rear verandah.

The cost of this estimated amount will be as under:

| | | |
|---|---|---|
| | Main building less land — | Rs 6,540 |
| x{ | Kitchen & Servants quarters | 720 |
| | Coach house & Stables — | 640 |
| | Total Estimate Rs | — |

|  |  |
|---|---|
| Total estimate Rs | 7900 |
| Add 10% for Estab. Tools & Plant | 790 |
| Add Compensation for land. | 700 |
| Total Capital Rs | 9390 |

|  |  |
|---|---|
| 4% on Capital to cover interest | 375.60 |
| 3% on - do. for repairs — | 281.70 |
| 10% on repairs for Estab. Tools & Plant | 28.17 |
| Total annual rent | 685.47. |

Or Rs 57.12 per mensem say Rs 57 against ~~[illegible]~~ Rs 30 the rent to be recovered from the occupant at 10% on his salary of Rs 300.

Ths.
22.3.57.

P.S. Please do not send away the detailed estimate as we have no schedule of quantities.

Ths

The plan & estimate may be
sent to P.P.O for approval
but a note that I consider
the design [illegible] but the
[illegible] [illegible] to 57 years
[illegible] [illegible] the [illegible]

24/3/57.

17