

Public Works (1898) Department.

G.O., No. 2235 W

DATED 31st August 98

[Despatch Abstract.]

Police Station at Washermanpettah, Madras

Estimate of Rs 12,675
for constructing a new ———, sanctioned & funds
allotted for the work.

110/3

2

Police Station at Washermanpettah, Madras

Estimate of Rs. 12,675 for constructing a new —, sanctioned, and funds allotted for the work.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

G.O., No. 1164, Judicial, dated 23rd July 1898.

Read—the following paper:—

From the Commissioner of Police, Madras, dated 13th July 1898, No. 74.

I have the honour to inform you that in accordance with the wishes of Government conveyed in its order No. 898, Judicial, dated 10th June 1898, I have, in conjunction with the Consulting Architect to Government, reduced the estimate for the new Police Station (H.I.) at Washermanpettah from Rs. 14,220 to Rs. 12,675, by omitting the construction of a compound wall, in substitution of which a hedge will be grown, by omitting the bringing in of the Red Hills water, a good well and a municipal water tap being conveniently situated, and affording a sufficient supply of water for our purposes, and by reducing the size of the cattle pound from three to two compartments.

2. With reference to the accommodation provided in the building itself, which the Government considers to be on too liberal a scale, I have to point out that the last two police stations built in 1888 and 1890 respectively cost, without cattle pounds, about Rs. 12,000 each, and do not afford sufficient accommodation or that privacy which men coming off long night rounds should have when resting off duty at the station. In the plan forwarded for the new station at Washermanpettah, a room 25×16 is provided for the accommodation of 33 constables, not including 8 native officers who are provided for, in the room marked in the plan as head constables' room. The two small rooms marked in the plan as head constables' and constables' tiffin rooms are for the keeping and eating of the food of the constables—Muhammadans on one side and Hindus on the other—and are necessary for the preservation of at least one meal of each of the 41 men of all ranks attached to the station. The hall 25×16 is for the receiving of reports, inquiry into cases brought to the station, and for the holding of inquests, and in case of a cyclone or a riot, when it is necessary to mobilise the men of a division at its central or head station, such as this one. This hall will be further utilized for their accommodation. I respectfully request the Government will be so good as not to reduce the dimensions of this building, which experience shows is absolutely necessary.

3. Revised plans and estimates are herewith forwarded.

Order—No. 1164, Judicial, dated 23rd July 1898.

The revised estimates are approved and will be transferred to the Public Works Department.

(True Extract.)

(Signed) F. J. WILSON,
for Chief Secretary.

Note by the Chief Engineer, Public Works Department.

The stables should have roof ventilation throughout.

(Signed) W. B. DEWINTON,
Chief Engineer.

20th August 1898.

ORDER—No. 2235 W., dated 31st August 1898.

The estimate, amounting to Rs. 12,675, for constructing a new Police Station (H.I.) at Washermanpettah, Madras, is sanctioned for execution and the amount allotted from the reserve with Government.

2. This sanction has been registered as Provincial No. 56 W. of 1898-99, and classified as Civil Buildings—Original Works.

(True Extract.)

Under Secretary to Government.

To the Consulting Architect, with five enclosures.

„ Examiner, Public Works Accounts.
„ Judicial Department.

Exd. T. Lutchmiah Nayudu.

Papers to be read in Proceedings:—

Again G.O., dated 189 , No.
 Again G.O., dated 189 , No.
 Current No. 6300 of 1898, dated 27th July , from the *Judicial Dept* ~~Cons. Architect.~~
 " " " 189 , " *20 August 1898* , " *the Chief Engineer P.W.D.*
 " " " 189 , " " , "

ORDER.

No 2235-W/831.8.98

this shd go to W

The estimate amounting to
 Rs. 12,675, for constructing a new
 Police Station (H.I.) at Washermanpet
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~~when funds are available~~
the Revenue with Government
 2. This sanction has been regis-
 tered as Provincial No. 56 W of
 1898-99, and classified as Civil Build-
 ings, Original Works.

ACK
16.6.98 *L. M. S.*
20.8.98
S. W.

T. A.
B. P. S.

To The Consgr. Architect, *MS*
 with enclos. *23/9/98*
 ,, Exr. P. W. Accts.
 ,, Judicial Deptt.

Note. This estimate has been dealt
 with in the accompanying technical
 note.

ACK
16.6.98.

MS *P. T. O* *S. W.*

4422-8-28 24.8.98

Note. The Architect
has just surrendered
Rs 40,000 of his part under
Govt Civil Buildings
Repairs. so the amount
reqd for constructing
this building can be
allocated at once

H. B. Chell
20.8.98

26.8.98

Note by C.E.

The stalls should
have roof ventilation
throughout.

H. B. Chell
20.8.98

Inclasures - 1 Plan of Buildings
1 Site Plan.

on

Sanctioned

Cs
15.5.98

Note

The estimate is recommended
for the sanction of Govt, the
rates being fair, & the cost of
the building being moderate
for the accommodation provided

A.R.

[P. W. 68
250-5-8-96.]

16.8.98.

A.C.

Draft C.O. sanctioning the
estimate

A.R.

16.8.98.

Public Works Department.

Current No. 6,300

Letter No. 1164

Dated 23rd July 1898

From the Judicial Department.

TECHNICAL NOTE.

Name of Work Constructing a new
Police Station (H.I.) at Washermanpettah
Madras.
Amount of Estimate, Rs. 12,675

PARTICULARS OF ESTIMATE.

Main Building	Rs. <u>7,882</u>
Subsidiary Buildings	
Cattle Pound	<u>821</u>
Stalls	<u>2,149</u>
Latrine	<u>550</u>
Swelling & draining compound	<u>390</u>
Contingencies at 5% of	<u>589</u>
Petty Supervision at 2 1/2% of	<u>294</u>
Land Compensation	<u>Nil</u>

Total Rupees ... 12,675

PARTICULARS OF CONSTRUCTION.

Surface soil Sandy Loam 1 foot in depth.
Sub-soil Sand to a great depth.
Foundations Concrete outer & inner walls
breadth 3'9" + 3'4 1/2" respectively to a depth
of 3'6" in Main Building, and Stock
Clunker Brick in Chumam 1 foot depth
to ground level - breadth 2'3" + 1'10 1/2" respectively.
Basement Stock Brick in Chumam 2'6"
depth and 2'3" + 1'10 1/2" breadth to outer
& inner walls respectively.
Walls Like of Stock Clunker
bricks in lime mortar to
heights specified in plan and
estimate.

Plastering or Pointing. Plastering interior
with 2 coats of Chumam and Point-
ing exterior walls with prepared lime
mortar. Plinth all round $\frac{1}{2}$ " cement-
Flooring. Bed of concrete 4" with
Cuddalore slabs above. Cells
bed of 4" concrete + $\frac{3}{4}$ " asphalt.

Roofing. Terraced, supported on
rolled steel beams + teak joints
plastered on top with Mangalore tiles on teak
out-buildings Mangalore tiles on teak
roofs.

Doors and Windows. Doors batten with frames

Windows. Batten + Venetian. Iron-

bars. Painted 3 coats Imperial Line

white, tinted grey, where exposed -

Roof timbers. Teak wood - all typhoid

timbers will be stained with 3 coats

wood oil.

Scantlings. Correct. For rolled steel

beams see calculation sheet.

Rates. Schedule rates, in some cases

below.

The plinth area of the main building is
3167 square feet, and the cost per square
foot will be Rs. 2-7-9.

The plans and estimates have been countersigned
by the Commissioner of Police
and

REMARKS.

In G.O. No 2139 W dated 22nd
July 1896 the Commissioner
of Police letter No 55 dated
29th May 1896 the Consul-
ting Architect to Govt was
first requested to submit
an estimate for the con-
struction of a new Police
Station at Washermanpettah,
and in G.O. No 2853 W dated
3rd October 1896 the Consul-
ting Architect was asked
to defer preparation of the
plan + estimate until
further orders, as a change

Rated Rs 29 per square for
terrace roofing eaves high.
Schedule rate of previous ?

Incorrect. The specimen lays
are similar with exposure will
be coated with wood oil.

moderate.

of site was proposed. Again,
in G.O. No 2569 W dated 17th
September 1897 the Consulting
Architect was asked to submit
plan + estimate for the Station
on the new site (site plan
furnished with estimate) -
A plan and estimate was
accordingly furnished by
the Consulting Architect
with his letter No 55 dated
5th April 1898, through the
Commissioner of Police,
for Rs 14,220 and forward-
ed for sanction by the
Commissioner of Police
Madras with his No 45
dated 19th April 1898.
The Government in their
order No 898 dated 10th
June 1898 was unable
to sanction so large a sum
as Rs 14,220 for a single
Police Station and called
for explanation regarding
size of rooms, no of Con-
stables to be accommodated,
etc, and the Commissioner
asked to confer with the
C. Architect with a view
to reducing the cost of the
building -
In his letter No 75 dated
13th July 1898 the Commis-
sioner of Police forward

in accordance with the wishes of Govt. an estimate reduced from Rs 14,220 to Rs 12,675 in conjunction with the Consulting Architect to Govt. by omitting (I) the construction of a compound wall, in substitution of which a hedge will be grown (II) omitting the bringing in of the Red Hills water, a pond well and a municipal water tank being conveniently situated and affording a sufficient supply of water and (III) by reducing the size of the cattle pound from 3 to 2 compartments.

With reference to accommodation the Commissioner of Police explains, in his letter above quoted, that it is now too much and respectfully requests the Govt. will be so good as not to reduce the dimensions of the building which experience shows is absolutely necessary.

There should have
a side ventilator
throughout

The Revised Plans & Estimates were accordingly approved in G.O. No 1164 dated 23rd July 1898 and transferred to the Public Works Dept. The accommodation of the Main Building consists of

Front Verandah	25' x 8'
Hall	25' x 16'
Constables' Room	25' x 16'
Rear Verandah	25' x 8'
Right - Store room	14' x 8'
Divisional Inspector's room	14' x 16'
Cell	14' x 7' 7 1/2"
Cell	14' x 7' 7 1/2"
Constables Tiffin room	14' x 8'
Left - Record room	14' x 8'
District Inspector's room	14' x 16'
Head Constables' room	14' x 16'
Head Constables Tiffin room	14' x 8'

Stables

3 stalls each	14' x 12'
Godown, straw & saddle room	15' x 12' 10 1/2"
Grain weighing room	12' 10 1/2" x 8'

Cattle Pound.

Main Yard	27' 9" x 21' 3 1/4"
Small Yard	27' 9" x 10'

Latrines

For Europeans	8' x 8'
For Natives	12' x 8'

The Estimate has been checked in detail & found correct.

Asphalt $\frac{3}{4}$ " is provided for cells;
if luddabak slabs are per-
missible as provided in other
rooms there will be a saving
of Rs 7-

10-7-11.
13.8.98.

A.P.R.
18.8.98.

Asphalte seems suitable
for cells.

I don't like it but I
believe it is considered
the cleanest floor

L.H.M.
20.8.98

Calculation Sheet for Round Steel Girders.

For Halls.

$$\begin{aligned} \text{Weight of Tenace} &= 16 \times 8 \frac{3}{4} \times \frac{3}{4} \times 120 = 11,880 \\ \text{Weight of Joints} &= 10 \times 8 \frac{3}{4} \times 3 \times 5 \times 46 = 790 \\ \text{Total} &= 12,670 \end{aligned}$$

Accidental load.

$$16 \times 8 \frac{3}{4} \times 80 =$$

10,560

$$\begin{aligned} \text{Total lbs} &= 23,230 \\ &= 10.3 \text{ Tons} \end{aligned}$$

$$W = L \times W$$

$$= 16 \times 10.3 = 164.8 \text{ say } 165$$

vide page 25 D. & L. Ho's Handbook
opposite 180.96, the next highest
figure to the distributed load,
plate 67 - the normal size of
girder is 12" x 5" 39 lbs per foot run
and within the safe limit of
deflection - viz. $\frac{16 \times 12}{20} = 10$ " against
12" allowed.

4 girders 12" x 5" as pro-
vided by C.A. are suitable

For District & Divisional Superintendents
& Head Constables' room.

$$\begin{aligned} \text{Weight of Tenace} &= 14 \times 8 \times \frac{3}{4} \times 120 = 10,080 \\ \text{Weight of Joints} &= 14 \times 8 \times 3 \times 5 \times 46 = 537 \\ \text{Total} &= 10,617 \end{aligned}$$

Accidental load

$$14 \times 8 \times 80 =$$

8,960

$$\begin{aligned} \text{Total lbs} &= 19,577 \\ &= 8.74 \text{ Tons} \end{aligned}$$

$$W = L \times W$$

$$= 14 \times 8.74 = 122.36 \text{ say } 123$$

vide page 25 D. & L. Ho's Handbook, plate 69.
opposite 136.51 the normal fig-
ure of girder is 10" x 5" 35 lbs per foot
run - and within the safe limit
of deflection - viz. $\frac{14 \times 12}{20} = 8.4$ inches
against 10" allowed.

3 girders 10" x 5" as provided
by C.A. are suitable

L.H.M.
20.8.98

A.P.R.

18.8.98.

10-7-11.
13.8.98.

Note by Budget Section.

Work *Constructing a new Police station at Washermanpet, Madras*

Fund			Provincial
Service Head	...	...	.. Civil Buildings
Departmental Head	...	...	... Original Works
Amount of Estimate	...	...	Rs. 12,675.
Expenditure in previous year	...	..	
Allotment in current year	...	..	
Balance required to complete	...	..	
Total Rs			...

Note of available Funds.

The balance of Provincial reserve amounts to Rs 42,613. W has ordered that funds should be reserved for the Bodmangam - Ktagudi Road (~~Washermanpet~~) and the Calicut - Gudalur road. The progress of works in many divisions being slow, it is very likely that funds will be surrendered later in the year. The estimate may, however, be sanctioned for execution when funds are available.

P. K. S.
15/8/98

S.A.W.

22354

This L & G may issue in manuscript to C. A to enable him to arrange for the execution of the work, for he may very probably be under the impression that no allotment will be sanctioned for this building. The Press usually takes a fortnight to print ordinary L.Gs.

P. K. S.
1/9/98

W.C.

Yes - please
approve

Copy prepared
by
29-9-98

1-9-98

Note by Budget Section.

Public Works (1898) Department.

CURRENT No. 6300

From

The Judicial Department.

Order

No. 1164

Dated 23rd July, 98.

Received

Registered } 27.7.98

Enclosures 5 (2 plans)

Spare copies

SUBJECT.

Approving and transferring to the P.W.D. the revised estimate submitted by the Commissioner of Police, for the construction of a new Police Station at Water-manspet, Madras.

*7 on scrutiny
APW
4.8.98.
PW*

m

*O.L.S. 290
R31/9*

BACK PAPERS.

FURTHER PAPERS.

2,000-22-6-98

Judicial Department.



PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following paper:—

accommodation of 33 constables, not including 8 native Officers who are provided for, in the room marked in the plan as Head Constables' room. The two small rooms marked in the plan as Head Constables' and Constables' tiffin rooms, are for the keeping and eating of the food of the constables-Mahamadans on one side and Hindus on the other- and are necessary for the preservation of at least one meal of each of the 41 men of all ranks attached to the Station. The Hall 25 x 16 is, for the receiving of reports, inquiry into cases brought to the Station, and for the holding of Inquests, and in case of a Cyclone or a riot, when it is necessary to mobilise the men of a Division at its Central or Head Station, such as this one. This Hall will be further utilized for their accommodation. I respectfully request the Government will be so good as not to reduce the dimensions of this building, which experience shows, is absolutely necessary.

3. Revised plans and Estimates are herewith forwarded.

Order No. 1164, dated 23rd July 1898.

The revised estimates are approved and will be transferred to the Public Works Department.

(True Extract.)

J. H. M.

for Chief Secretary.

*cc
26.7.98*

To

The Commissioner of Police.

" Public Works Department with plans and Estimates.

20

X

25-7-98