M.R.O. 1—77,006—8-6-32.

(1) Number of pages 25

(2) Date of repair

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

G.O. No. 2489 W Press ~~Mis.~~

Dated 17th September 1890.

Not to be folded or roughly handled

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following paper:—

From H. IRWIN, Esq., C.I.E., Consulting Architect to the Government of Madras, to the Chief Engineer, Public Works Department, dated Chepâk, 16th August 1890, No. 1542.

I have the honor to submit, for the approval and sanction of Government, a revised estimate, amounting to Rs. 9,96,053, for the new High Court buildings now under construction. The original estimate sanctioned in G.O., No. 1058 W., dated 17th April 1889, amounted to Rs. 9,45,000. The difference excess of Rs. 51,053 is made up of the following items:—

		RS.
(1)	Additions to main tower for converting the same into a lighthouse	4,693
(2)	Adding stone steps in the open spaces around main tower marked B.B. on plan to form a public or main stairs	15,200
(3)	Adding spiral stairs at C.C. for access to the roof for light-housekeeper and to supply a separate stairs for sweepers ...	3,204
(4)	Spiral stairs at D. for the convenience of Small Cause Court clerks	385
(5)	Excess over original estimate in various items	27,571
	Total ...	51,053

Items 1 to 4 aggregating to Rs. 23,482 are extra works not contemplated in the original scheme but actually necessary, without which, it is feared, inconvenience will be experienced. These items of work have been estimated at the instance of the Honorable H. E. Stokes, and the plans have been seen and approved by the Chief Justice Sir Arthur Collins. Item 5 is the excess on the original estimate which is due to (*a*) additional height to the main tower, which will be apparent by comparing the original with the revised elevation, (*b*) forming the dome of the main tower with cutstone instead of brickwork, and also to some of the stonework in the original estimate being under-estimated. There are several other changes in the details which I find necessary, but the differences more or less balance each other.

No allowance is made for the removal of the existing stone column which carries the light.

The original east elevation with revised elevation showing proposed alterations in detail of elevations, and plan showing additions, are forwarded by banghy.

ORDER—dated 17th September 1890, No. 2489 W., Public Works.

The revised estimate, amounting to Rs. 9,96,053, for constructing new Law Courts at Madras, is sanctioned subject to future orders regarding the retention or otherwise of the existing lighthouse at Madras.

2. The excess over the original estimate of Rs. 9,45,000 sanctioned in G.O., No. 1058 W., dated 17th April 1889, is explained in the Consulting Architect's letter above recorded.

3. This sanction has been registered as Provincial No. 53 W. of 1890-91, and classified as Civil Buildings, Original Works.

(True Extract.)

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

To the Consulting Architect to Government, with six enclosures.
" Examiner, Public Works Accounts.
" Judicial Department.
" Marine Department.

Exd. J. Moses.
Spare Copies

2/
2489

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1890} Madras.

PUBLIC WORKS.

Dated September, 17th.

Recd. *Encl.*

G.O., 17th Sept. 1890, No. 2489 W.

SEPTEMBER.

Law Courts at Madras

Revised estimate, amounting to Rs. 9,96,053, for constructing new — , sanctioned with remarks.

P. W. D.

Office of the Consulting Architect to Govt.,
Chepauk, Madras,
16th August 1890.

No. 1542

From

Henry Irwin, Esq., C.I.E.,
Consulting Architect
to the Government of Madras,

To

The Chief Engineer
Public Works Department.

Sir,

Enclosures.

1 Revised Estimate
1 Comparative Statement

I have the honor to submit for the approval & sanction of Government a Revised Estimate amounting to Rs 9,96,176 for the new High Court buildings now under construction. The original Estimate sanctioned in G.O. No. 1058 W dated 17th April 1889 amounted to Rs 9,25,000 the difference excess of Rs 71,176 is made up of the following items,—

1 Additions to Round Tower for converting the same into a light house — Rs 2816

2 Adding stone steps in the open spaces around main tower marked BB on plan to form a public or main stone — " 15200

3

3. Adding spiral stairs at C.C for access to the roof for light house keeper & to supply a separate stairs for sweepers. Rs 3204

4. Spiral stairs at D for the convenience of Small Cause Court Clerks " 385

5. Excess over original Estimate in various items. " 27,571

Rupees 59176 H.

Items 1 to 4 aggregating to Rs 21,605 are extra works not contemplated in the original scheme but actually necessary, without which it is feared inconvenience will be experienced. These items of work have been Estimated at the instance of the Honrable H. E. Stokes and the plans have been seen and approved by the Chief Justice Sir Arthur Collins. Item 5 is the excess on the original Estimate which is due to (a) additional height to the main tower which will be apparent by comparing the original with the revised Elevation (b) forming the dome of the main tower with cut stone instead of brickwork and also to some of the stonework in the original Estimate being under Estimated. There are several other changes in the details which I find necessary but the differences more or less balance each other.

No allowance is made for the removal of the existing stone column which carries the light.

The original East Elevation with Revised Elevation shewing proposed alterations in detail & Elevations and plan shewing additions are forwarded by hand.

I have the honor to be
Sir
Your Most Obedient Servant

Henry Irwin
Consulting Architect
to Government

E/2489

P.W.C. No. 8024

Public Works Department.

P.W. Ano. 1058w } 17.4.89
2806w } 10.9.88

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

THE Chief Engineer
P W D

No. 1542.

Dated 16" } August 1890.
Received 18 }
25

No. OF ENCLOSURES. 4 + 4 Plans

Subject.

Submitting Revised Estimate amounting to Rs. 9,96,053 / 9,94,176 for the New Law Courts buildings

Ch. to V.III
No 23-VII

Public Works Department.

Current No. 8024

Letter No. 1542

Dated 16th August 1890

From the Consulting Architect to Govt:-

Note by D.W. within.

NOTE OF REMARKS.

The annexed plans and Estimates under review the latter amounting to Rs. 9,94,176 / 9,96,053, for constructing the new Law Court building at Madras, is submitted for sanction in supersession of the Estimate for Rs 945.00 Sanctioned in G.O. No 1058 W dt/ 17th April 1889 - 51,053

The Excess viz Rs 49,176 is shown under the following heads.

(1) Additions to main tower for the purpose of converting it into a light house ——— Rs 2,816 (4693)

(2) Adding Stone Steps round the open Spiral round main tower marked B.Bon plan to form a public or main Staircase - " 15,200

(3) Adding Spiral Stairs at C.C. for access to the roof for light house keeper and to supply a Separate Stairs for Sweepers ——— " 3,244

(4) Spiral Staircase at D. for the Convenience of Small Cause Court Clerks — " 385

5) Excess over Original Est. in various items ——— " 27,531

Total Excess Rs 49,176 / 51,053

6) Laying on Rock Area Centre - Original amount Rs 2000 - Revised amount Rs 5000 - It is explained in the Comparative Statement that the excess (Rs 3,000) is due "to distance of water & size of pipes" -

7) Scaffolding for centring and Central tower - Original Estimate Rs 2,000 - Revised Estimate Rs 4,000. Excess due to increased height of tower -

8) Cuddapah Slabs for Spirals including centring, cutting and fixing - Original Rate Rs 12-0-0 per ~~Square~~ Superficial foot - Revised rate Rs 35 per Square, increase due to the stairs being carried up to the top of roof -

Provision is made in the estimate for removing & fixing the lightning apparatus & Casing Complete Rs 2,300 for Copper bolts now done Rs 3,000, and 6 for 11 Strong Wrought doors original amount Rs 330 Revised amount Rs 470 Each -

The following are the Various rates in the revised Estimate compared with the rates in the original Estimate and Schedule of rates for the Consulting Architects Division –

(1) Brickwork with Claytiles bricks – Original rate Rs 26½ per 100 cft. – Revised rate ~~Rs~~ for 1st, 2nd & 3rd Storied Rs 26½ 4th Story Rs 27, 5th Story Rs 27½ & 6th Story Rs 28. – Schedule rate Rs 24½ throughout –

(2) Colored glass in leaden Sashes, Original rate Rs 2-2-- Revised rate Rs 2-6-- Schedule rate Rs-2-2-- per Sq: foot –

(3) Earth filling in basement lead 100 yards – Original rates Rs 1-12-6, Rs 4-- -- & Rs 27-- -- per 1000 cft – Revised rates Rs 6-15-1 & Rs 4-- -- -- – Schedule rate nil –

(4) Laying terrace flooring with Combined tiles & cement – Original rate Rs 26-- -- Revised rate for 1st & 2nd Stories Rs 30, 3rd Story Rs 31, 4th Story Rs 31½, & 5th Story Rs 32 per 100 Sq: ft: – Schedule rate nil –

(5) Painting brickwork & Stone Original rate Rs 3-- -- per 100 Sq: ft: – Revised rate Rs 3-4-- for 1st & 2nd Stories Rs 3½ for 3rd Story, Rs 4-- -- for 4th Story, Rs 4½ for 5th Story & Rs 5-- -- for 6th Story — Schedule rate Rs 3½ per 100 Sq: ft: –

It is Explained that the first four items amounting to Rs 21,685 provide for Extra work not contemplated in the Original Scheme but subsequently ~~instructed~~ by the Honourable H. E. Sir & approved by the Chief Justice.

Item 5 comprises Excess on the original Estimate viz

(a) Additional height to main tower

(b) Constructing dome of the main tower with Cut stone instead of brickwork

(c) Increased rate for Lime of the Stonework.

It is Stated That other changes in the details were found necessary but that the differences more or less balanced each other.

It is further Stated That no provision is made in the Estimate for the removal of the Existing Stone Column which carried the lights –

23482

1/2489

Remarks 13

The proposed position for the public Hall, i e in the Open Space round the Central tower, will interfere with the ventilation & lighting of the building as the Stairs are to be roofed over, it being thereby proposed to place the Stairs in the verandah between the towers and the Court round and keep the Space round the tower free.

The substitution of cut stone for brickwork in the Construction of the dome of the Central tower will increase the Cost Considerably without any apparent advantage being derived on the other hand it is unnecessarily weighting the upper portion of the tower which is usually avoided, in addition to this it is probable that will be considerable difficulty in Constructing it & consequent delay, a brick dome cement

M23-VII 319 12-5-90

(2)

15

It seems very doubtful whether any advantage is to be gained by removing the Makers light from its present position: The light can never be seen above 20 miles off the coast from the deck of a ship, & there is nothing I know that a greater range is required. The subsidiary buildings connected with the light house will have to be retained even if the column is abandoned, and considering that it is one of the finest pieces of work in Flanders, I think the idea of removing the light to one of the towers of the High Couch should not be carried into execution; unless there are some very strong reasons for doing so - If the Trinity Deptt are dissatisfied with the existing light & contemplate providing

S/
24 Sept

2
15

and also for buying on the Quarter Ht but buildings which were not provided for in the original Est:-

a more powerful one; it might be worth while to consider the question of a new light house, but as matters stand there seems very insufficient reason for a change -

The additional height & modification in the construction of the central tower, may be approved, & as regards the use of stone in the domes, it would be advisable for some reasons to construct them all of stone, but the cost would be excessive. The weight on the foundations has been calculated by Mr Brereton & he makes 2 tons per square foot, so

Lantern would be lighter & easier to construct, and would look quite as well as a stone dome -

The iron Spiral Stairs 65' high leading to the light room appear to be supported by only the floor which is of an ordinary kind and in the absence of detail drawings it is impossible to say what additional means of support have been provided.

The revised Est: does not appear to have been sent to the Judicial Deptt: and it may be well to refer it to that deptt: for approval —

Engr
1.9.90

M23-111 319 C 17.5.90

9/2489

the increase in height by the use of stone need not be further considered.

The staircases round the base of the central tower can be roofed in with stone & by raising the roof arrangements can be made for ventilation - on the sides.

If the proposal regarding the light house be given up, the spiral staircase in the centre of the main dome, will not be required, the other spiral staircases are necessary.

I would suggest that the estimate be sanctioned with the exception of the items relating to the alterations required to the main dome, if it is to be used as a light house, these are Rs 4693 & Rs 1746, & Rs 2300.

and the total of the Est to be sanctioned will be Rs 98665 - Mr. Irwin is anxious to obtain

	Rs
additions & main towers to convert it into a light house.	4693
Iron spiral staircase in main tower	1746
Removing & fixing lights	2300
	Rs 8739
7½ percent on Rs 8739	655
	Rs 9394

Rs 996053 - Rs 9394 = Rs 986659 say Rs 986660

No 23-III 319 17-5-90

early orders, so that the
money to the steps & obtain
the stone required for the
steps –

HCR
2.9.90

D.V.
In case I think mis understood
the reason for moving the
light – It is not to obtain
eminent height or range of
light, but because the present
tower will be so encumbered
by the new buildings that
the effect will be cancelled
out – No definite decision
has been come to yet –

L 5.9

FW I am afraid my note
was not quite clear. I
know that the reasons for
removing the light are
"artistic" ones, but if the
present tower is to be
dismissed to such an extent
as to warrant its removal,
I think it is worth considering
whether the towers of the new
Court might not be reduced
in height – they seem no useful
purpose – HCR 17.9.90

10/2489

Draft L.O. letter to
the Board enclosing
subject for future orders
regarding the retention of
a Tower of the
existing light with the con-
sent to accompany
explanatory plan as to
a suitable plan for the
guarding of the retention
of the light with the consent
to dispatch decided
upon after the receipt of
the plan & drawings it is
the first & duties it is
considered better to
remove the whole structure
in full; a small one
will be made if it is
determined not to save
the light –

L 5.9

P.W.D.

11/2489

21

2/21

Note.

Revised estimate for the new High Court buildings, Madras.

—

As it is probable that the question of the retention of the Lighthouse cannot be definitely decided until after the return of the Government to Madras, it is considered better to sanction the revised estimate in full. A small saving will be made if it is determined not to

move the light.

Draft order pubmitted accordingly.

W

No. 2489

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 17 Sept. 1890

READ the following

From the Engg Architect to Government (H.C. No. 1542 of 16. VIII. 90)

The revised estimate amounting to Rs 9,96,053 for constructing new Law Courts at Madras, is sanctioned subject to future orders regarding the retention or otherwise of the existing Lighthouse at Madras.

2. The excess over the original estimate of Rs 9,45,000 sanctioned

in G.O. No. 1058W dated
17th April '89, is
explained in the
Consulting Architects'
letter above recorded.

3. This sanction
has been registered
as Provincial No. 53 W
of 1890-91, and classified
as Civil Buildings
Original Works.

C.A. to Govt
with 6 enclosures.
Exp. P.W.A. Judicial dept
Judicial dept
Marine dept
Secret
Please acknowledge
receipt of same after despatch

13/2489

8024

12/12/10 ✓
31-7-13 ✓
19-12-22

10-11-41 VI

Govt. of 18 Madras.

PUBLIC WORKS.

Dated 19

Read. Encl.

G.O. 17th Sept 90, No. 2489

Law Courts &c
Madras.

Revised Estimate
Amounting to Rs 9,96,053
for Constg Sessions —
Sanctioned with
Remarks. -

SEC 18/9/1