

MADRAS RECORD OFFICE.

Government of Madras.

Judicial DEPARTMENT.

G.O. No. 877

Press
~~Mis.~~

61-62

Dated 29-6-19-1878

Not to be folded or roughly handled

10

Fort St. George, Judicial Consultation, 2nd July 1858.

No. 61. Read the following Extract Minutes Consultation in the Public Works Department, dated 10th June 1858, No. 1097.

Communicating copy of a letter from the Chief Engineer, forwarding certain documents regarding the Government building now occupied as the Court House of the Sudr and Foujdaree Udalut. } (Vide Public Works Consultation, 15th June 1858, Nos. 13 and 14.)

No. 62. ORDER THEREON, No. 877; dated 29th June 1858.

From the above communication it is observed, that four separate methods have been proposed for repairing and rendering safe the building occupied as the Court House of the Sudder and Foujdaree Udalut. These are—1st, the construction of an outside new revetment wall built up to the level of the basement only with cross tie walls and angle buttresses; 2ndly, the extension of this wall to the height of the Porte Cochere in order to form a continuous stable support all round; 3rdly, the reconstruction of the south east angle of the building altogether, and underpinning with concrete as much of the defective foundations as it may be practicable to expose; and 4th, the insertion of rods of $1\frac{1}{2}$ wrought iron above and below, passing through vertical timbers so as to act, when screwed up by the nuts for the purpose, upon the whole surface of the walls that have been pushed out. The Chief Engineer observes that the use of these several expedients in no wise interferes with the full adoption one of another; and that, in fact, it would be perfectly practicable to carry the whole of the proposed measures into effect if thought proper. He strongly recommends, the erection forthwith, of the revetment wall above alluded to, to be carried up to the height of the Porte Cochere; and suggests that in calling on the Civil Architect for an estimate of the probable expense he be instructed to also include, therein, the cost of substantial iron tie rods.

2. The Right Honorable the Governor in Council approves of the Chief Engineer's recommendation and directs that, as the case is one of pressing urgency, orders be issued, through the Public Works Department for the early submission of the necessary estimates and the commencement of operations immediately for the revetment wall as advised by Colonel Faber. In regard to the rebuilding of the south east angle of the Court House, the Government will await the further report of the Superintending Engineer alluded to in para. 10 of the Chief Engineer's letter above recorded.

(Signed) T. PYCROFT,
Chief Secretary.

No. 1097.

Extract from the Minutes of Consultation under date the 10th June 1858.

Read the following letter from Colonel C. E. FABER, Chief Engineer; to W. H. BAYLEY, Esq., Acting Secretary to Government, dated 18th May 1858, No. 394.

SIR,

With reference to the orders of Government enumerated in the margin, I now do myself the honor to forward the following documents regarding the Government building now occupied as the Court House of the Sudder and Foujdarry Adawlut.

Extract Minutes Consultation Nos. 767, and 886, dated 24th April and 8th May 1858.
Viz. Letter No. 206 of 12th May 1858 from the Acting Civil Architect, forwarding an estimate begun by his predecessor, amounting to Rupees 4,063.

2. Detailed Estimate of the same.
3. Abstract do.
4. Plan and Section of the building showing the treatment now proposed in yellow.
5. Letter from Acting Civil Architect No. 205 of 12th May 1858, forwarding a statement to shew the total expenditure on repairs during the last 20 years, namely Rupees 19,507-14-5.

And 6th a Report from the Superintending Engineer in charge of the Central Circle No. 6 of the 15th Instant describing the state of the Sudder Court House, and the remedies which he should recommend for immediate adoption.

2. The consideration of these several papers and especially that by so able and experienced a professional Officer as Major Lawford will shew the Government that the case is not only one of very grave importance, but also of immediate and pressing urgency.

3. The late Civil Architect's proposition of an exterior revetment wall around the entire building at distances varying from 8 to 14: 6" with foundations carried to a considerably greater depth than those of the main edifice with angle buttresses and tie walls has not been supported by Colonel Atkinson's successor Lieutenant F. Moberly, and Major Lawford is also of opinion that little, if any benefit is likely to be gained by this expedient unless these outside walls by carrying an arcade above of the same altitude with the present Porte Cochere become one continuous buttress capable of resisting the lateral thrust of the walls of that front of the principal Building.

4. This procedure in the expediency and even necessity of which I fully concur, does not, obvious as it is, seem to have suggested itself to Lieutenant F. Moberly, who most favours the recommendation made by Colonel Atkinson towards the end of last year of reconstructing the South East angle of the Court whereby Lieutenant F. Moberly, would hope to have access to the shallow foundations in order to underpin them with concrete.

5. A device formerly suggested for arresting, if not correcting the departure from the perpendicularity of the walls is that of iron rods with screw nuts with which we are all so familiar in the lanes and streets of London. The subject has now been reviewed by Captain Orr, and I myself share in the confidence with which that Officer regards the effects of using that material to prevent further lateral thrust.

6. Major Lawford brings forward one alternative for which, I had not been prepared, and which I certainly cannot recommend. It has occurred to him that by the removal of the Upper story all tendency to further mischief would be prevented at once, and thus that the Government without being put to any additional expense whatever except that of dismantling the upper story would have a public building well suited for the Collector's Cutcherry or for the intended Civil Engineering College. Upon this proposition, I have only to say that there is no absolute certainty that the cracks will not reappear or extend and thus virtually the proposal amounts to the unnecessary sacrifice of a most valuable and costly extent of excellent accommodation.

7. Of the several suggestions that have been brought forward then namely; 1st, of an outside new revetment wall built up to the level of the basement only with cross tie walls and angle buttresses. 2ndly, of the same external enclosure but carried up to the height of the Porte Cochere in order to form a continuous stable support all round. 3rdly, of reconstructing the South East angle altogether, and underpinning with concrete, as much of the defective foundations (which have caused the whole of the formidable injuries) as it may be practicable to expose, and 4thly, to insert rods of $1\frac{1}{2}$ wrought iron above and below and passing through vertical timbers so as to act, when screwed up by the nuts for the purpose, upon the whole surface of the walls that have been pushed out upon all these I say it will not fail to be observed by Government that the use of these several expedients in no wise interferes with the full adoption one of another.

8. In fact, it would be perfectly practicable to carry the whole of the proposed measures into effect, if the Government should think it wise and proper to do so.

9. I join with Major Lawford and Lieutenant F. Moberly in thinking that the outside revetments carried only to the level of the basement at an expense of Rupees (4,063) four thousand and sixty-three as proposed by Colonel Atkinson will fail in securing the future safety of the Sudder Court, and I feel quite clear that the additional height proposed by the Superintending Engineer is indispensable.

10. I strongly recommend therefore that this be done forthwith, and that in calling on the Civil Architect for an estimate of the probable expense (operations being set on foot immediately as shewn to be necessary by Major Lawford) he be instructed to also include the cost of substantial iron tie rods, for the application and arrangement of which he should consult the practical experience of Mr. Executive Engineer Kennedy in a matter comparatively unknown in Indian House, the Government may be guided by the further report of the Superintending Engineer after a correct estimate shall have been prepared of the expense of that operation, and he shall have reconsidered Colonel Atkinson's proposition of last November which he has not yet specially noticed.

11. In conclusion, I solicit the earliest practicable decision on the present reference.

Letter from Lieutenant F. J. MOBERLY, Acting Civil Architect, Presidency Division; to Colonel C. E. FABER, Chief Engineer, dated 12th May 1858, No. 206.

SIR,

1. I have the honor to submit a Plan and Estimate for repairs required to the Sudder Court which I found in course of preparation under instructions from Colonel Atkinson.

2. I have however taken an opportunity of accompanying the Superintending Engineer on a late visit to the Court House and after inspection would not leave it to be supposed that I consider the remedy sufficient.

3. I believe the whole of the foundation of the South East corner has sunk by the weight of the masonry on a narrow foundation laid in very poor soil and that the only effectual remedy is underpinning with concrete; but I am at a loss to know how this can be done to a foundation of brick in clay with a heavy superstructure 40 feet in height.

4. Something of the kind was tried at the College but as far as I can make out it was rather a tamping with sand around the walls than an underpinning which would require a great lateral pressure; and I do not think would be sufficient and it does not appear to have answered at the College.

5. The new revetment wall, it is supposed, will prevent the movement of the earth but it can only do this laterally and there is nothing to shew that the mass of house is sliding into the low ground.

6. I cannot think that the buttresses which rise nearly half way up the lower story will prevent the wall from turning over as the foundation sinks lower and a higher buttress must be proportionally thicker and would become unsightly adding also to the weight on the soil.

7. I observe that in his letter No. 605 dated 10th November 1857, Colonel Atkinson suggested the rebuilding of the South East Angle, and I think that this would be by far the most satisfactory method of proceeding. His rough estimate is for 10,000 Rupees and I think we might then succeed in underpinning such weak points as the corner near the Porte Cochere and the outer pillars of it which would then form a good buttress to the East wall generally.

Letter from Major E. LAWFORD, in charge of Central Circle; to Colonel C. E. FABER, Chief Engineer, dated 15th May 1858, No. 6.

SIR,

With reference to Extract Minutes Consultation No. 767, dated 24th April 1858, I have the honor to report that I have again very carefully examined the Sudder Court House and see no reason to alter my opinion of its being in a dangerous state.

2. There can be no doubt that the foundations are altogether inadequate and that their subsidence especially at the South East Angle has caused the walls to crack and incline to a serious extent.

3. The repairs executed in 1856 to the amount of Rupees (13,489) thirteen thousand, four hundred and eighty-nine, have failed in securing the building and any effectual measures now adopted must be expensive.

4. Colonel Atkinson in his letter of the 10th November 1857, suggested the reconstruction of the South East Angle but he has now brought forward a plan for constructing a retaining wall all round the building, the depth of which is the greater than that of the present foundations, with tie walls in the South and East Verandahs, and angular buttresses extending 6 feet up the corners. The Estimate for this addition is 4,063 Rupees.

5. I have no confidence in this work unless the South and East fronts be also supported by an Arcade forming one continuous buttress of the same height as the Porte Cochere by which means I believe perfect security would be given at a cost of from 10,000 to 12,000 Rupees.

6. The plan spoken of yesterday by yourself and Captain Orr of introducing iron ties across the building would no doubt be very beneficial, combined with Colonel Atkinson's retaining wall, but I cannot now state the exact expense, and for my part I prefer the external support of the Arcade.

7. On the lowest supposition however the maintenance of the Court House cannot be effected under a sum of 5,000 Rupees, and it is desirable that the building should be vacated during the progress of the work.

8. It occurred to me that if the upper stroy were removed the lower one would not require any material repair and might form an excellent Cutcherry for the Collector of Madras, or an Engineering College, while the Sudder Court could be accommodated in the Ameer Baugh.

9. But assuming that the Court House is to be kept up on its present scale, it remains for you to decide whether my plan of the outer Arcade shall be adopted at a probable cost of say 12,000 Rupees including the retaining and tie walls, or whether the latter work combined with iron ties at an expense of probably 5,000 Rupees will suffice.

10. In either case orders for commencing work are required as early as possible.

11. A statement of the cost of repairs to the building since 1838 amounting to Rupees 19,507-14-5 accompanies the Civil Architect's plan and estimate, and an original letter from Lieutenant F. J. Moberly is also forwarded.

Letter from Lieutenant F. J. MOBERLY, Acting Civil Architect Presidency Division; to Colonel C. E. FABER, Chief Engineer, dated 12th May 1858, No. 205.

SIR,

With reference to your Memorandum dated 29th Ultimo, I have the honor to forward a Memo. of expenses incurred from 1838 to 1858, in repairing the Sudder Court building since

they have become the property of Government which includes that sent in a previous Memo.

*Memo. of expenses incurred from 1838 to 1858 in repairing
the Sudder Court building.*

Rs. A. P.

563 14 7	As per Bill dated 15th January 1838.
157 12 3	do. do. 9th October 1839.
221 5 6	do. do. 12th February 1840.
192 12 5	do. do. 30th June 1840.
226 12 5	do. do. 28th September 1842.
190 6 2	do. do. 30th January 1843.
2,007 1 3	do. do. 7th December 1843.
608 9 2	do. do. 6th July 1844.
11 2 11	do. do. 26th November 1844.
80 2 3	do. do. 2nd August 1845.
800 9 1	do. do. 26th March 1846.
273 7 2	do. do. 29th November 1847.
191 12 5	do. do. 29th August 1848.
64 81 1	do. do. 11th March 1853.
2 9 3	do. do. 27th do. do.
14 9 10	do. do. 21st October 1853.
375 14 5	do. do. 10th April 1856.
13,489 10 2	do. do. 31st July 1856.
34 14 3	do. do. 31st March 1858.
<u>19,507 14 5</u>	

Civil Architect's Office,
Madras,
12th May 1858.

(Signed) F. J. MOBERLY, Lieutenant,

Acting Civil Architect Presidency Division.

Ordered to be communicated to the Judicial Department with reference to Extracts from the Minutes of Consultation in that Department dated 12th and 28th April 1858, Nos. 471 and 550.

(A true Extract.)

W A Burley

Acting Secretary to Government.

To the Judicial Department.

with 3 Estimates & Plan. Recd 11/5/58

Judicial Department

No 1055

Extract Minutes Consultation in the Public Works Department

Dated 10th June 1858

Mr Orders

I suppose the by right more
mundane must be adopted

Mr. [unclear] At
well acquainted with the House
what do you say - W

The building is a most convenient
one for the [unclear] - if it could be rendered
ed safer - I would strongly recom

2nd the extension of this wa

C13th April 1858
C14th May 1858

In [unclear] 28th April
Judicial 1055 Sept 11

Sept 11

Chief Clerk for Court
action in the Public
works Dept - 1055

2/10
C14 June 1858

Plan 2
C14 1055
C14 June 1858

Communicating copy of
a letter from the Chief
Engineer. [unclear]
reference regarding the
good building now occupied
as the Court House of the
Judicial Department at a [unclear]

For [unclear]

C17 June
C24
C25
C28
61

0228

01-

The necessary repairs being at
once undertaken -

To build a new post-house
would involve a very large out-
lay - and the building suggested
for the immediate occupation is
well suited & ready in this respect
- perfectly adapted for a post-house

hall -

The building is a good structure
and is well adapted for the purpose
of a post-house & is well adapted
for the purpose of a post-house

16C

Judicial Department

N. 877

Extract from the Minutes of Consultation
dated 29 June 1858.

Read the following Extract
Min. Cons. Pub. Works Dept.

(This entry 100 June 1858 No 1097)

A

1/2

WU

From the above communication
it is observed that four separate
methods have been proposed for
repairing and rendering safe the
building occupied as the Court
House of the Sudder and Forydare
Mudlut. These are 1st the consti-
tution of an outside new re-
-ment wall built up to the level
only
of the basement with crenel-
walls and angle buttresses;
2nd the extension of this wall
to the height of the Porte Cochere
in order to form a continuous
stable support all round; 3rd
the reconstruction of the South
East angle of the building alto-
gether, and underpinning with

0228-
concrete as much of the defective foundations as it may be practicable to expose; and 4th, the insertion of rods of 1 1/2 wrought iron above and below, passing thro' vertical timbers so as to act, when secured up by the nuts for the purpose, upon the whole surface of the walls that have been pushed out. The Chief Engineer observes that the use of these several expedients in no wise interferes with the full adoption one of another, and that, in fact, it would be perfectly practicable to carry the whole of the proposed measures into effect if thought proper.

He strongly recommends, the execution forthwith, of the restoration wall above alluded to, ^{to be} carried up to the height of the Porto Cochare; and suggests that in calling on the Civil Architect for an estimate of the probable expense he be instructed to also include therein, the cost of substantial iron

tie rods.

2. His Right Honorable the Governor or in Council approves of the Chief Engineer's recommendation, and directs that, as the case is one of pressing urgency, orders be issued, thro' the Public Works Dept., for the early submission of the necessary estimates and the commencement of operations immediately. In regard to the rebuilding of the South East angle of the Court House, the Govt. will await the further report of the Superintending Engineer alluded to in para 10 of the Chief Engineer's letter above recorded.

+ for the restoration work as advised by Col. F. B. M.

Copy to P. W. Dept. - with Plans & Estimates - Disptd. 29th M. S.
Consd. of S. M. C. Disptd. 3/7

810-96

June 22, 1887.

Advised 1887 before the

28/27

Extract from the

28/27 June 1887.

61462.

C25 June
R28 "