21st June 1887, No. 1668 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

G.O., dated 3rd June 1887, No. 540, Revenue.

Note by the Chief Engineer, Public Works Department.

It is doubtful whether tar and sand are suitable for covering a terraced roof in a very hot locality like Masulipatam. It was tried on the Marine Villa, Cocanada, and is understood to have failed there. Regarding this, the Superintending Engineer should communicate with the Superintending Engineer, I Circle, and, if necessary, substitute good plaster. Tar and sand, if properly mixed, make a good flooring, but great care is required in laying it.

2. If the doors and windows of outhouses have been tarred previously, they can be treated in the same way again; otherwise, painting is preferable, and will not cost much more.

18th June 1887. (Signed) J. O. HASTED, Colonel R.E.,
Chief Engineer, P.W.D.

Order—dated 21st June 1887, No. 1668 W., Public Works.

The estimate, amounting to Rs. 11,074, for repairing the Collector's residence at Masulipatam, is sanctioned.

2. An expenditure of Rs. 1,909 has already been incurred on the work, and the balance of the estimate, Rs. 9,165, is allotted from the Provincial reserve with the Government.

3. The attention of the Superintending Engineer is drawn to the Chief Engineer's note above recorded, and to paragraph 2 of the order, in the Revenue Department, relative to the rent of the building.

4. This sanction has been registered as Provincial, No. 37 W. of 1887-88, and classified as Civil Buildings, Original Works.

(True Extract.)

Captain, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, II Circle, with eighteen enclosures.
„ Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts, with general abstract estimate.
„ Revenue Department.

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1887} Madras.

PUBLIC WORKS.

Dated June, 21st.

Recd. *Encl.*

G.O., 21st June 1887, No. 1668 W.

JUNE.

Collector's Residence at Masulipatam

Estimate of Rs. 11,074, for repairing the —, sanctioned with remarks.

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24 S. Copies already sent

3rd June 1887, No. 540, Revenue.

GOVERNMENT OF MADRAS.

REVENUE DEPARTMENT.

Read—again the following G.O., dated 24th March 1887, Mis. No. 1858, Revenue:—

Read—the following official memorandum from J. F. PRICE, Esq., Acting Secretary to Government, Revenue Department, dated 4th March 1887, No. 63, on Proceedings of the Board of Revenue, dated 24th February 1887, No. 1275:—

Forwarded to the Public Works Department for favor of an expression of opinion as to the necessity of the repairs for which the estimate received with this paper provides.

2. Reference is solicited to G.O., Revenue Department, dated 21st April 1886, No. 294, from which it will be seen that the Executive Engineer considered that the building should be either reconstructed or abandoned, that the Superintending Engineer expressed grave doubts as to its stability, and that the Board of Revenue urged the necessity of undertaking the construction of an entirely new residence for the Collector.

3. Whilst such is the case, now is submitted an estimate stated to have been prepared by the Superintending Engineer, but unaccompanied by a report of a Public Works Department officer, for Rs. 11,074 for the repair of this building. Adding the amount of this estimate to the sum paid for the purchase of the building in 1880 (Rs. 20,000) and the cost of repairs since then executed (Rs. 7,420), its total cost comes to, in round numbers, Rs. 38,500.

4. Information is requested as to whether the repairs now proposed would so far secure the stability of the building as to obviate the necessity for reconstructing or abandoning it, and, if not, whether it may not, by a smaller outlay, be rendered safe and serviceable until a new residence can be provided for the Collector. Looking into the details of the estimate now submitted, it is observed that provision is made for the repair of a plunge bath-room at a cost of Rs. 397. The necessity for this is hardly apparent.

To the Public Works Department, with ten enclosures and eight maps.
Copy to the Board of Revenue, for information.

No. 975-C.

Forwarded to the Superintending Engineer, II Circle, for full report on the several points noticed in the Revenue Department order.

2. A large estimate like this should not have been submitted without a detailed report and specification.

3. The very early return of these papers is requested. Meanwhile, the attention of the Revenue Department will be drawn to G.O., No. 1215-W., dated 13th May 1886, in which the estimate was called for.

Chepauk,
15*th March* 1887.

(Signed) J. O. HASTED, Col., R.E.,
Secretary to Government, P.W.D.,

Copy forwarded to the Revenue Department.

(By Order.)

(Signed) W. L. C. BADDELEY, Capt., R.E.,
Under Secretary to Govt., P.W.D.

To the Revenue Department.

Order—dated 24th March 1887, Mis. No. 1858, Revenue.

Communicated to the Board of Revenue.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Board of Revenue.

READ—also the following G.O., dated 26th March 1887, Mis. No. 1904, Revenue :—

Read—the following Proceedings of the Board of Revenue, dated 24th February 1887, Mis. No. 1275 :—

Read—the following letter from R. SEWELL, Esq., Acting Collector of Kistna, to the Secretary to the Board of Revenue, dated Masulipatam, 10th February 1887, No. 603 :—

I have the honor to forward, herewith, plans * and estimates † prepared by the Superintending Engineer, II Circle, amounting to Rs. 11,074, for repairing the Collector's residence at Masulipatam, and to request that the Board will be pleased to obtain the sanction of Government for proceeding with the work during this dry season. The repairs are very urgently necessary, part of the house being in very bad order.

* 8 plans sent per packet post.
† 8 abstract estimates.
1 General abstract.
—
9
—

Resolution—dated 24th February 1887, Mis. No. 1275.

The plans and estimates for Rs. 11,074, for repairing the Collector's residence at Masulipatam, are submitted for the sanction of Government and for provision of funds in the Public Works Department. The Collector states that the repairs are very urgently necessary.

(A true Copy and Extract.)

(Signed) M. HAMMICK,
Acting Secretary.

To the Secretary to Government, Revenue Department,
with letter and enclosures in original to be returned.
Copy to the Collector of Kistna.

Order—dated 26th March 1887, Mis. No. 1904, Revenue.

Recorded with reference to G.O., Mis. No. 1858, dated 24th March 1887, pending receipt of further communication from the Public Works Department.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Board of Revenue.

READ—also the following G.O., dated 27th April 1887, Mis. No. 2421, Revenue :—

Read—the following letter from R. SEWELL, Esq., Acting Collector of Kistna, to the Secretary to Government, Revenue Department, dated Masulipatam, 30th March 1887, No. 1421 :—

With reference to Proceedings of the Board of Revenue, recording Revenue Department official memorandum No. 63, dated the 4th instant, relating to the repairs of my house here, may I be permitted respectfully to state the case on my own account.

2. I think that the question whether the repairs now proposed would so far secure the stability of the building as to obviate the necessity for reconstructing or abandoning it, may be answered in the affirmative. However, the Public Works Department will be better able to give reliable reply than myself. I do not think it can be rendered safe and serviceable by anything short of the measures now proposed. The central block is in good order, but the wings are dangerous. Two large rooms have to be abandoned altogether, as it is not safe to inhabit them, nor is it safe to use the rooms over them.

3. The question whether a new residence altogether should be built depends on the final settlement by Government of the question of the removal of the district head-quarters to Bezváda. Government have for the present declined to order this removal (G.O., dated 21st April 1886, No. 294, Revenue). Still I think Government would hardly be prepared now to go to considerable outlay on the erection of a new house for the Collector, since there is always a chance that a removal of the head-quarters to Bezváda may, at some time, appear reasonable, especially now that two railways will soon have their terminuses there. Meanwhile, therefore, I respectfully submit that it seems wisest to repair the present building.

4. Repairs to the plunge bath may be omitted, though the name does not clearly define the building which is really a detached bungalow, with a swimming bath attached to it. It contains a good sized room with dressing-room and bath-room and verandah round, besides the bath.

5. It is very useful when I have the house full, as there are no good trees in the compound for pitching tents under, in hot weather. The trees are single and scattered.

Order—dated 27th April 1887, Mis. No. 2421, Revenue.

Transferred to the Public Works Department for consideration, together with the report called for in paragraph 1 of the endorsement in that Department, No. 975-C, dated 15th March 1887.

(True Extract.)

(Signed) J. F. PRICE,
Ag. Secretary to Government.

To the Public Works Department.

READ—the following letter from G. D. WYBROW, Esq., Superintending Engineer, II Circle, to the Chief Engineer, Public Works Department, dated Bezváda, 28th April 1887, No. 136-K.S. :—

With reference to your memorandum No. 975-C., dated the 15th March 1887, I have the honor to report on the several points noticed by the Secretary to Government, Revenue Department, in his memorandum No. 63, dated the 4th March 1887.

1. In compliance with G.O., No. 1215-W., dated the 13th May 1886, an estimate was framed by the Executive Engineer (Mr. J. D. Grant) for putting the Collector's house into thorough repair. This estimate, amounting to Rs. 13,683, was submitted by the Executive Engineer in August 1886.

2. As the amount of this estimate was so large, I took an opportunity of inspecting the building with the Collector (Mr. R. Sewell) with a view to ascertain whether it would not be better to abandon the building and erect a new one; but after carefully going over the building, I came to the conclusion, and with which I believe Mr. Sewell concurred, that, considering the size and convenience of the house, it would be the best course to repair the present building both in the interest of Government and the Collector. In going through the estimate, I found that certain items might be omitted and the estimate was reduced to Rs. 11,074.

3. It is true that Mr. Grant, when frequently called on for estimates for the repair of the building by Mr. Weld, stated that he thought it would be the cheapest course to abandon the present house and build a new one. Considering, however, the large outlay already incurred, I do not recommend so stringent a course. I am of opinion that if the present estimate be carried out, the building will be put into a secure and thorough state of repair, and that there will be no necessity for abandoning it. Without repairing it thoroughly, I would not recommend any smaller repairs. In attempting to repair an old building it is better to do it thoroughly or leave it alone. When once you begin to renew rotten timbers, &c., there is no knowing when to stop. Under these circumstances, I would respectfully beg to recommend the present estimate, amounting to Rs. 11,074, for sanction.

4. With reference to the swimming bath, as this constitutes a part of the outbuildings attached to the house, an estimate for its repair was also submitted.

5. One point I have omitted to mention, viz., that the eastern wing of the house has been repaired and rendered safe, in anticipation of sanction of the enclosed estimate, under the orders of Colonel Morant. When he gave the order to commence the repairs, he probably thought that the amount of the estimate would come within his sanction. The amount expended is Rs. 1,909.

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at Poly

No. 81-D.

Forwarded, with enclosures, to the Revenue Department with reference to its memorandum No. 63, dated 4th March 1887, and to G.O., Public Works Department, dated 13th May 1886, No. 1215-W.

2. It seems clear that nothing short of the measures now proposed will render the building secure, and that if those measures be carried out, the necessity for constructing a new residence for the Collector will be obviated.

3. With advertence to the question of reducing the rent of the building—*vide* the Collector's letter printed with Proceedings of the Board of Revenue, No. 728, dated 25th March 1886, and paragraph 2 of G.O., dated 21st April 1886, No. 294, it is observed that if the large outlay now proposed be incurred, the rent fixed in G.O., No. 2662-W., dated 29th October 1884, will be by no means excessive. The figure moreover corresponds with the rate of rent for a Collector mentioned in G.O., dated 20th November 1884, No. 2501. Reference is also solicited to G.O., dated 27th January 1885, No. 215-W.

4. The Collector's letter forwarded with Revenue Department endorsement No. 2421, dated 7th April 1887, is returned herewith.

Ootacamund,
9th May 1887.

(Signed) J. O. HASTED, Col., R.E.,
Secretary to Government, P.W.D.

To the Revenue Department, with original papers (including eight plans).

Order—dated 3rd June 1887, No. 540, Revenue.

Miscellaneous.

As it is now reported by the Superintending Engineer, that the building occupied by the Collector at Masulipatam can be put into a thorough state of repair and rendered quite safe by the measures proposed, the estimates submitted therefor will be approved and retransferred to the Public Works Department for final orders.

2. In view of the proposed outlay on the building the Government concur in the opinion expressed in paragraph 2 of the memorandum read above, that the rent for the building fixed in G.O., dated 29th October 1884, No. 2662-W., should not be reduced.

(True Extract.)

Frederick Price

Ag. Secretary to Government.

To the Public Works Department, with twelve
enclosures and eight maps returned. Com's copy already sent
,, the Commissioners of Land Revenue.

Exd. W. H. French.

75 Copies.

P.W.C. No. 4371

Govt. of {1887} Madras.

REVENUE.

1668 W of 21/6/87

Sent to Press 23/6/87

Issued

Recd. 9.6.87 *Encl.*

G.O., 3rd June 1887, No. 540.

JUNE.

Collector's House at Masulipatam.

Estimate for repairing the —, approved and retransferred to the Public Works Department for final orders.

Revenue Department.

No. 63.

OFFICIAL MEMORANDUM.

Proceedings of the Board of Revenue dated 24th February 1887, No. 1275.

Forwarded to the Public Works Dept. for favor of an expression of opinion as to the necessity of the repairs for which the estimate received with this paper provides.

2. Reference is solicited to G.O. R.D. dated 21st April 1886, No. 294, from which it will be seen, that the Executive Engineer considered that the building should be either reconstructed or abandoned, that the Superintending Engineer expressed grave doubts as to its stability, and that the Board of Revenue urged the necessity of undertaking the construction of an entirely new residence for the Collector.

3. Whilst such is the case, now is submitted an estimate stated to have been prepared by the Superintending Engineer, but unaccompanied by a report of a Public Works Dept. Officer, for Rs: 11,074, for the repair of this building. Adding the amount of this estimate to the sum paid for the purchase of the building in 1880 (Rs: 20,000) and the cost of repairs since then executed (Rs: 7,420), its total cost comes to, in round numbers, Rs: 38,500.

4. Information is requested as to whether the repairs now proposed would so far secure the stability of the building as to obviate the necessity for reconstructing or abandoning it, and, if not, whether it may not, by a smaller outlay, be rendered safe and serviceable until a new residence can be provided for the Collector. Looking into the details of the estimate now submitted, it is observed that provision is made for the repair of a plunge bath room at a cost of Rs: 397.— The necessity for this is hardly apparent.

Ag. Secretary to Govt.

Fort St. George
4th March 1887.

To
The Public Works Dept. ✓ *
with 10 Enc: & 8 maps

Copy to Board of Rev: for informn.

* 1. Colr's House
2. " " upper story
3. Stable & Coach House
4 Butlers quarter
5. Cook room
6. Stable
7. Survey of Compound
8. Plunge bath.

P.W.C. No. ~~1924~~ 5

Sec: 3

~~3346~~

20th Enclos of S.E.'s No. 136 Kr
28-4-87.

4371

P. W. Dept.

To be returned with reply.

No. 975C of 15th March 1887

Forwarded to the Supdg Engineer II Circle for full report on the several points noticed in the Rev: Dept. order.

2. A large estimate like this should not have been submitted without a detailed report & specification.

3. The very early return of these papers is requested. Meanwhile the attention of the Rev: Dept will be drawn to G.O. No. 1215 W dated 13 May 1886, in which the estimate was called for.

Sd/ [illegible] Colonel R.E.
Secy. to Govt P.W.D.

629 D 21.7.86

Rq 9.3.87

En: 19 +

(+ 8 tracings)

12
Rev. 3665/87

Endorsed

REVENUE DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read again the following:—

I. G.O. Mis. No. 1858, d/ 24-3-87, comg. to the Board of Revenue Endorsement of the P.W. Deptt., d/ 15 March 1887, No. 975C forwarding copy of orders issued to the Superintending Engineer in connection with the repair of the Collr's: residence at Masulipatam.

II. G.O. Mis. No. 1904, d/ 26 March 1887, recording Bd's. Pro:, d/ 24-2-87, Mis. No. 1275, submg. for sanction & for provision of funds plans and Estimates for repairing the Collector's residence at Masulipatam, Kistna Dt.

III. G.O. Mis. No. 2421, d/ 27 April 1887.

IV. Read also memo: P.W. Deptt., d/ 9 May 1887, No. 87 D.

Order

P.W.C. No. 4371

6 JUN 87

Order thereon, 8th June 1887, No. 540.

As it is now reported by the Superintending Engineer that the building occupied by the Collector at Masulipatam can be put into a thorough state of repair and rendered quite safe by the measures proposed, the estimates submitted therefor, will be approved and retransferred to the P.W. Deptt: for final orders. R 9.6.87

2. In view of the proposed outlay on the building the Govt: concur in the opinion expressed in para 2 of the Memorandum read above, that the rent for the building fixed in G.O. of 29 Oct: 1884, No. 2662 W, should not be reduced.

7/20 (+ 8 plans)

(True Extract)

Medrichties

Ag: Secy: to Govt:

11.6.87

G.O. 751 d/21.4.84 Public.
" 1957 W d/11.8.84
" 1958 W d/11.8.84
" 2137 W d/29.8.84
" 2429 W d/2.10.84
" 2944 W d/28.11.84
" 3332 W d/20.8.98
" 2265 W d/14.8.83
" 2662 W d/29.10.84
" 215 W d/27.1.85
" 728 d/25.3.86 B.of R.

ditto

The P.W. Deptt:
with 12 Encs: & 8 maps etc. ✓

O.L.S. 16.VI
M 7.6.87

No. 1215 W d/13.5.86.
" 1480 W d/11.6.86
" 429 D d/21.7.86
" 975 C d/15.3.87
" 81 D d/9.5.87

C. No. 4371

P. W. Secretariat.

Note by Budget Section.

Work Repairing the Collector's residence at Masulipatam

Remarks and References.

Fund Provincial
Service Head Civil Buildings ...
Departmental Head Original Works

Amount of Estimate	Rs.	11,074
Expenditure in previous year ...	"	-
Allotment in current year	"	-
Balance required to complete ...	"	-
Total Rs. ...		11,074

Note of available funds.

The reserve with the Govt. under Provincial is Rs. 2,05,106. The total allotment of funds as proposed in the orders on the incomplete works statements amount to Rs 1,21,521 on account of incomplete works of 1886-87 and Rs 47,565 on account of new works which are emergent and therefore funds are considered necessary. The lump sum allotments against Divisions on account of minor new works amount to Rs. 31,465. The total allotments proposed will therefore be Rs 2,00,551. The balance of the reserve will therefore amount to Rs. 4,555 after appropriations of the above said demands. This balance is very small and it is not therefore feasible to allot funds for this work unless by reappropriation from the grant for any other work considered less important.

Budget ~~Clerk.~~

15th June /87

15.6.87

Note by Budget Section.

Resubmitted 16-6 R. 21.6.87

Public Works Department.

Current No. 4371

Letter No. 540

Dated the 3rd June 1887

From the Secy to Govt Rev: Deptt

Cur 16.6.87

NOTE OF REMARKS.

The plans and Estimates under review provide for repairing the Collectors residence at Masulipatam.

The amount of the Estimate is Rs 11,074 which is sub divided as follows:

(a)	Collectors House	Rs 8833
(b)	Butlers Quarters	" 870
(c)	Cook House	" 590
(d)	Plunge Bath	" 397
(e)	Coach House	" 120
(f)	Stables	" 75
(g)	Compound wall	" 184
	Total Rs	11 074

C. 16.6.87 R. 21.6.87

The following is a summary of the work proposed to be carried out

Main Building

It is proposed to lay a course of pitch and sand to the floors of all the rooms except Nos 6, 7, 13, 14, & 17.

All the terracing with the exception of that of the front verandah is to be removed and rebuilt and the joists destroyed by white ants are to be replaced. The terracing is to consist of

1 Course of terraced brick on edge
1 Course of flat tiles
3 inches of jelly
1 Coat of rough plaster
3/8" of pitch & sand

The ceiling is to be

Resubmitted 16-6. R. 21.6.87

~~Cemented with portland cement -~~

~~The front &~~

Cemented with Portland cement -

The front verandah which is at different levels is to be brought to a uniform level throughout -

The tops of the columns and walls, where the terracing rests, are to be dismantled for about 2 or 3 feet and reconstructed with brick and mortar.

The tiled roof is stated to be in good order only requiring the tiles to be turned.

It is proposed to ~~plaster~~ cement the interior of the walls up to a height of 5½ feet above floor level and the whole of Exterior walls to the full height; the interior walls are to be white washed to give them a uniform appearance -

The doors and windows are to be repaired where necessary and to be painted on the outside with 2 coats of green paint and on the inside with 3 coats of wood oil -

Upper Story

The columns are to be dismantled & reconstructed with brick and mortar.

The terraced roof of the front verandah is to be removed and reconstructed.

The tiled roof requires the tiles to be turned which is to be done with one half new tiles.

The columns are to be plastered with ordinary chunam and white washed 2 coats -

The doors and windows which require petty repairs are to be put in order.

Butler Quarters

It is proposed to dismantle the columns, and front

& rear walls 3 feet from the top and to reconstruct them with brick and mortar.

It is proposed to turn the tiles of rooms No 2 & 3 and the rear verandah which is to be done with half new pan tiles, but the roof of room No 1 and the front verandah are to be entirely dismantled and reconstructed the former with new materials & the latter with the teak rafters taken from the main building.

The walls are to be plastered inside and outside up to height of 5½ feet and repaired where necessary above that limit.

The doors and windows require petty repairs & they are to be tarred after the repairs have been attended to.

Cook ~~House~~

The existing brick flooring of room No 7 which is stated to be in bad order is to have ~~is to have~~ a 3/8 inch course of pitch and sand mixture laid on it.

The roofing to rooms 7 & 4 are to be removed and two feet of walls from top ~~of~~ walls are to be dismantle

21.6.07

& both roofing & walls reconstructed, the remaining rooms are to have the tiles turned & replaced with one half new tiles

The plastering proposed in this case is precisely the same as that proposed for the Butler Quarters. The doors and windows also are to be turned in the same manner as those of the Butlers Quarters –

Plunge Bath

The flooring is stated to be in good order and requires no repair the roof also is stated to be in good condition with the exception

of a few rafters destroyed by white ants and which are to be replaced. the cost of which it is stated may be met from Contingencies

The building is to be plastered with two coats of chunam inside and outside to a height of 4½ feet above floor level and to be repaired where necessary above that level.

The doors and windows with the exception of those of rooms Nos 7 & 8 are to have some petty repairs done to them and painted 2 coats of Chocolate paint, the doors & windows rooms Nos 7 & 8 are to be turned 2 coats after petty repairs have been attended to –

Coach House & Stables Combined

This building is stated to be in perfect order and requires no repairs provision however is made for 4 teak wood ~~of~~ Standards 7' × 9" × 3" and 12 stout bamboos to enclose the stalls. –

The walls are to be plastered with 2 coats of Chunam on both sides to a height of 5½ feet from ground level & white washed 2 coats. –

Stables

This building is also stated to be in good order but is to be fitted with standards &c to enclose the stalls in the same manner as those previously described. –

The walls are to be plastered with 2 coats of Chunam on both sides to a height of 5½ feet above ground level –

Compound Wall

The Pillars of the South Gate are to be dismantled & reconstructed with brick & mortar. –

All pillars to gates are to be plastered with 2 coats of Chunam after necessary petty repairs have been attended to, provision is also made for trimming the prickly pear hedge all round –

Remarks

Most of the rates agree with the Schedule but others cannot be checked for want of data.

The rates for concrete and brick in chunam are given in the Estimate at Rs 16 & 25 whereas in the latest Schedule the rates quoted are Rs 8 & 22 respectively –

In P.W.G. No 735 W d/ 19th March/86 exception was taken to the use of Stones patent [illegible] in the Ophthalmic Hospital at Madras on the ground of their being too expensive the use of them in the building under

revision may therefore be questioned and is brought to notice.

A lump sum of Rs 100 is allowed in the Estimate for watchmen to guard materials the provision made appears excessive. Again a lump of Rs 100 is provided in the Estimate for scaffolding and besides 2½ per cent is charged for contingencies and another 2½ per cent for petty supervision.

The amount charged for contingencies should cover scaffolding as petty supervision has been charged for separately, the charge for watchmen might without detriment to the work be reduced from 100 to 50 Rs which would be more than is necessary taking 2 watchmen at the Rate of Rs 6 per mensem for 3 months would be Rs 36 — and it is not likely the repairs will take longer than 3 months to complete.

The proposal to coat the terracing with a mixture of pitch & sand does not appear to be suited to a climate like this where the heat is so intense the pitch is liable to melt & slip into the hollow portions of the roof and impede the flow of water off the terrace and besides this it would be very disagreeable to walk on as it would be sticky right through the hot season. Brick mortar i.e. one of lime, one of powdered brick and one sand, might be used instead with a thin skin coat of portland cement.

The doors and windows of most of the buildings

buildings are to be tarred, it seems a pity to spoil good wood work by tarring it when painting would not cost very much more and which is almost if not quite as impervious to the attacks of white ants as tar.

The use of pitch and sand in the floor of room No 7 of the Cook house does not appear suitable, it would be better to repair the existing brick flooring —

The plans and Estimates appear to have been countersigned by the Collector.

15/6/87

If the building needs

The Est. may be sanctioned

Note by E.W.

The use of pitch & tar in dwelling houses is objectionable. In hot climates pitch & sand should never be used ~~for~~ on terraced roofs: portland cement is a far better material; but it is not usually required until the roof has cracked —

Inside woodwork should almost invariably be painted, and the provision of tar for the doors & windows of several of the subsidiary buildings should be struck out & Carson's paint substituted.

16.6.87.

Major A. C. Smith claims to have used tar & sand for both terraced roofs & floors with great success. I have seen very good floors of it, but am doubtful about roofs where the heat is excessive, as at Bandar, see [illegible]
18/6/87

P.W.D.

Note by the Ch. E. P.W. Dept

It is doubtful whether tar and sand are suitable for covering a terraced roof in a very hot locality, like Masulipatam. It was tried on the Marine Villa, Coconada, & is understood to have failed there. Regarding this the Supdg Engr should communicate with the Supdg Engr I Circle, and, if necessary, substitute good plaster. Tar & sand, if properly mixed, make a good flooring, but great care is required in laying it.

2 - If the doors &

5

windows of outhouses have been tarred previously, they can be treated in the same way again; otherwise painting is preferable, & will not cost much more –

(Sd) J. O. Hasted
Col R.E.
Ch. Engr PWD

18th June 1887.

B+R
Cl works

PUBLIC WORKS DEPARTMENT.

No. 1668W

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 21st June 1887.

READ the following

Pros. Rev. Dept No 524 d/ 3. 6. 87.
Note by the Ch. Engr PWD d/ 18. 6. 87.

Write but attach a copy of the Rev. Pg. to each copy of the P. W. Pg.

Print

The estimate amounting to Rs 11,074 for repairing the Collector's residence at Masulipatam, is sanctioned.

2. An expenditure of Rs 1,909 has already been incurred on the ~~a sum~~ work, and ~~the~~ balance ~~of the estimate~~, Rs: ~~Rs 8,512~~ 9,165, is allotted from the Provincial reserve with

Stet

Stet

+(note for B) – This expenditure appears to have been incurred before commencement of 1887-88, so that balance of estimate only ~~will~~ to be required this year.

10/6/87

heat is excessive, as at Bandar, the tarred with

with the Govt.

3. The attention of the Supdg Engr is drawn to the Chief Engr's note above recorded, and to para 2 of the order in the Rev. Dept. relative to the rent of the building.

4. This sanction has been registered as Provl No 37 W for 1887-88, & classified as Civil Buildings. Original Works –

Print soon

7 encl
15 Pr 22/5/87

27/5 File sent separately to S.W. today
G.H. 18.6.87

S.E. II Circle with 18 enclos

S.E. I Circle

Exe Pwd with spl. abstract file.

Rev. Dept.

+ 8 plans, 8 estimates, one report & one specification –

Joll 18/6/87

O.L.S. 16.VI
M. 18.6.87
R. 21.6.87.

C No.

Govt. of {1887} Mad

PUBLIC WORKS.

[illegible]

Dated 23/1

Recd.

Encl.

G.O., 21st June 1887, No. 1668

Collector's residence at Masulipatam

Estimate of Rs 11074 for repairing the – sanctioned with remarks.

FC
372 Ir 1-2-88

90/6

4.57 P.M.

4.15 P.M.

of the building

Note.

It is doubtful whether tar & sand is suitable for covering a terraced roof in a very hot locality, like Masulipatam, It was tried at the Marine Villa Cocanada & is understood to have failed there. Regarding this the S.E. should communicate with the S.E. 1st Circle & if necessary substitute good plaster. Tar & sand if properly mixed makes a good flooring, but great care is required in laying it.

If the doors & windows of outhouses have been tarred previously they can be treated in the same way again, otherwise painting is preferable & will not cost much more.

16 6

18/6/07.

Draft order sanctioning est. pending funds

Rev. G.O. No 5240
3.6.87

To W

As the file is incomplete, it is proposed, with your approval, to await receipt of printed copies of the Rev. Dept G.O.

No funds have been provided for the work, & the question of an allotment can more conveniently be considered after disposal of the demand statements, shortly expected from Madras.

Cn
7.6.87

Approved

7/6/87

To W. Please see the proposed G.O.'s note on the estimate. If this be approved, an order will be drafted sanctioning the estimate. After complying with the demand statements, the sum left in reserve is Rs 10,323 – Expenditure to the extent of Rs 1909 has already been incurred on the present estimate. The balance required, Rs 9165, can therefore be allotted & sanctioned –

Cn 18/6/87

AC
0

Kindly see if
some copies of these
from Rev Dept
The following papers
which do not
appear to have
been returned
with their S.O.
No 340 d/ 3.6.87.—

Pro. of the Bd of Rev
No 1275 d/ 24.2.87—
Letter from S.S. II
Circle No 136 R.S
d/ 26.4.87

Cant.
Rev: Deptt has
sent the papers
to Madras to
be printed
D.S. 6-6-87

CM
7/6/87

Rev. G.O. No 5210
3.6.87

S.A.W.

Kindly have this paper registered, & the file returned to Offg as soon as possible, with a Budget note in usual form.

Please also send a note to the Registrar Rev. Dept Fort, asking him to expedite printing of the G.O. & to let us have printed copies as quickly as possible.

Ch
7.6.87

Done

Note
File sent separately

Noted.

13/6

No. 632 G. D.

FROM

G. T. Walch Esquire
~~THE~~ SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO

THE CHIEF ENGINEER
P. W. Department
~~FOR IRRIGATION.~~

DOWLAISHWERAM, 6th June 1887

Despd 10th June 1887

SIR,

I have the honor to report that on the 29th August 186 Mr. J. E. Paul Executive Engineer who was then in charge of the Godavari Western Division and was accompanying me on a tour of inspection in his Division, was taken with me when I went to inspect the Sakhinetipalli Lock under Construction in the Central Division, which it was most convenient to visit by way of Narsapur (Western Division) and the Godavari.

2. I was under the impression that my sanction was sufficient for such a journey by any Officer within the jurisdiction of my circle; but the Examiner says this is not the case and quotes G. O.

No. 3246W dated the 8th December /86 (of which he sends me a copy). I therefore request that you will be good enough to obtain the sanction of Government, if that be really necessary, to the journey under question.

I have the honor to be
Sir
Your most obedt. Servt.
C. Ewald
Supdg. Engineer
1st Circle

RS

B. No. 1608W 15.6.87
" 1237W 5.5.87
No. 1146C 25.4.87
B. No. 172W 20.1.87
" 104/105W 13.1.87
" 3246W 8.12.86
" 2574W 27.9.86
" 1627W 25.6.86
" 2612W 5.11.83

B. No. 2900W. 4.12.83
No. 200D. 4.6.86
" 159D. 20.5.86
" 94D. 6.5.86
" 45D. 21.4.86
B. No. 1812W 4.8.84
" 3357W. 18.12.86

B

No. 6971W of 21st June/87

Sanctioned.

A resolution by the G. of I. on the subject of the authority under which an officer can travel beyond his jurisdiction will shortly issue.

16.6.87

18/6/87

21.6

22/6

Exr. P.W.A

126.VI
18.6.87

Q. 16.6.87 R. 21.6.87

23/6