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# TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

*Public Works* DEPARTMENT

|          |        |                 |
|----------|--------|-----------------|
| G.O. No. | 230(W) | Press.          |
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Not to be folded or roughly handled

230  
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GOVERNMENT OF MADRAS.  
PUBLIC WORKS DEPARTMENT.

14th January 1878, No. 230 W.

General.

Establishment.

Read the following papers:—

No. 111-G. From W. S. HARRINGTON, Esq., District Engineer, Madura, to the Chief Engineer, Public Works Department, dated Madura, 5th November 1877, No. 195.

In continuation of my No. 168, dated 8th ultimo, I have the honor to forward

- 1 Copy of Mr. Paynter's report.
- 1 Court of Ward's Proceedings, No. 3,455, dated 24th July 1877, bearing Government (R.D.) endorsement No. 3,428, dated 21st September 1877.
- 1 Spare copy of G.O., (R.D.) No. 1,377, dated 3rd October 1872.
- 1 Do. of Court of Ward's Proceedings, No. 2,505, dated 31st May 1877.

copy of a letter from the Executive Engineer, Dindigul Range, No. 2,280, of the 3rd instant, reporting his and Overseer "Soobroyalu Naidu's" connection with the construction of the Bodinaickanoor Minor Zemindar's bungalow at Madura.

2. The original enclosures of your number above quoted are herewith returned. I forbear to make any com-

ment either upon Mr. Paynter's letter or the subject generally, as I do not conceive that Government require any remarks from me.

From L. W. PAYNTER, Esq., Executive Engineer, Dindigul Division, to the District Engineer, Madura, dated Dindigul, 3rd November 1877, No. 2,280.

With reference to your No. 1,637, dated 8th ultimo, I have the honor to return the papers

- 1 G.O., No. 1,377, dated 3rd October 1872, Revenue Department.
- 1 Proceedings of the Court of Wards, No. 2,505, dated 31st May 1877.
- 1 Do. do. No. 3,455, dated 24th July 1877.

noted in the margin, and to give the history of the connection of Overseer Soobroyalu Naidu and myself with the construction of the residence for the Bodinaickanoor Rajah, as directed by the Chief Engineer in his No. 3,087, dated 5th idem.

2. The work was commenced in January 1873. Mr. G. R. Leggatt was then in charge of the Range, and Overseer Moothoosamy Pillay in charge of the taluq and of this particular work.

3. Overseer Soobroyalu Naidu took charge of the work in April 1873. At that date an expenditure of Rupees 2,849-5-1 had been made in the purchase of materials, purchase of land, and excavation of foundations.

4. Sub-Engineer Mooneappah Pillay assumed charge of the range on the 10th January 1874. The expenditure was then Rupees 10,846-2-11.

5. I received charge of the range on the 1st August 1875. The building was then at a stand still, and had been so from the previous March for want of funds. The expenditure at that date was Rupees 22,100-9-9, and the masonry of the main building had been finished, roofing, store-cases, plastering, flooring, &c., had yet to be done. The out-buildings had been completed

except some very trivial work to the doors and windows. Nothing had been done to the centre bungalow except removing roof.

6. On the night of the 15th May 1876, before I had done anything to the building, or received sanction to proceed with it, the upper back verandah wall, supported on four pillars, fell. I reported the circumstance to the District Engineer next day, and attributed the cause to the force of the wind acting on a high, long wall supported on slender pillars and unstayed at the top by a roof. The length of the wall is 60 feet, and the height from the verandah floor, including pillars, 15 feet. Though the meteorological observations, as Mr. Chisholm remarks, do not exhibit anything very unusual, I cannot recall, or even modify, the statement made by me that "a severe storm passed over Madura. It did not last an hour, but the force of the wind was very great a part of the time." I remember a substantial pandal, supported on stout masonry pillars in front of my house, was blown down, and many avenue trees in the town fell that night.

7. I received instructions to proceed with the work on the 25th July 1876, but no work was actually done till October. The two previous months were occupied in collecting materials. The verandah was then restored as originally built; this the District Engineer, Colonel Fischer, approved of, and I did not see anything else could be done, and considered the wall would be safe once the roof was on; the whole building is very light, and the front lower verandah being supported on pillars just the same size as those that fell, it would not have looked well if the upper pillars were more substantial than the lower.

8. I do not mean to say that I fully approved of the design for the bungalow, but so much of the work had been done when I took charge that it was too late then to alter the design, and I did not consider the building unstable, though the margin for safety was not large. The design and original estimate were made by Colonel Roberts, and a revised estimate was prepared by Colonel Fischer just before I joined.

9. The total expenditure by me on the building was Rupees 3,649-3-4, but of this sum Rupees 536-15-8 was paid in settlement of outstanding claims from my predecessor's time, and for a watchman. The total expenditure therefore by me on work done by me was Rs. 3,112-3-8 and for this sum the following works were done; rebuilding the upper wall that had fallen of the back verandah of the main building; roofing main building; constructing upper front verandah of main building; and the greater part of the alterations required to centre bungalow.

10. I can only find on record that I visited the building six times during 1876; on the 10th March, 16th May, 10th and 21st October, 24th November and 10th December; but I visited it oftener than this though as I had nothing particular to remark on the other occasions I omitted to enter them in my Inspection Report.

11. The Consulting Architect considers that the pillars supporting the back verandah wall are slowly moving, and that eventually the centre of gravity will be without the base, and in support of his opinion he gives the following measurements taken 4th May 1877:—

|                                                                         |  |
|-------------------------------------------------------------------------|--|
| Above the 1st pier A measured 8 feet 8½ inches and B 8 feet 10½ inches. |  |
| " 2nd " A " 8 " 9½ " B 8 " 10½ "                                        |  |
| " 3rd " A " 8 " 9½ " B 8 " 10½ "                                        |  |
| " 4th " A " 8 " 9½ " B 8 " 11½ "                                        |  |

I measured at the same points on the 18th ultimo, and the following are the results:—

|                                                                         |  |
|-------------------------------------------------------------------------|--|
| Above the 1st pier A measured 8 feet 8½ inches and B 8 feet 10½ inches. |  |
| " 2nd " A " 8 " 9½ " B 8 " 10½ "                                        |  |
| " 3rd " A " 8 " 9½ " B 8 " 10½ "                                        |  |
| " 4th " A " 8 " 10 " B 8 " 11½ "                                        |  |

By this it would appear that at all events the pillars are not moving more out of the perpendicular than they were:—

12. I was aware when the work was in progress that the pillars supporting the lower front verandah and the upper back verandah were slighter than the estimate provided for, but knowing that they had been in their places for a very considerable time; that both Colonel Roberts and Colonel Fischer had frequently seen them, and understanding from the Overseer that they had been approved of by Colonel Roberts and not objected to by Colonel Fischer, I made no official reference on the subject.

13. The accounts of the work neither were nor are in a satisfactory state; in fact I never could get properly prepared accounts from the Overseer; but he has this to be said in his favor that, during the whole time I was in charge of Madura Range, he had more work than one man could look after. Previous to 1875 one Overseer had charge of the taluq and another of the town works including the palace, but in the early part of 1875 both town and taluq works were put in charge of Overseer Soolroyalu Naidu. The number of works in his charge and expenditure on them are given.

| 1875-76.                         |            | Taluq.              |            |
|----------------------------------|------------|---------------------|------------|
| Town.                            |            |                     |            |
| Number of works ...              | 13         | Number of works ... | 54         |
| Expenditure ...                  | Rs. 18,536 | Expenditure ...     | Rs. 58,490 |
| Total expenditure in 1875-76 ... | ...        | ...                 | 77,026     |
| " number of works "              | ...        | ...                 | 67         |

| 1876-77.                         |            | Taluq.              |            |
|----------------------------------|------------|---------------------|------------|
| Town.                            |            |                     |            |
| Number of works ...              | 16         | Number of works ... | 74         |
| Expenditure ...                  | Rs. 12,917 | Expenditure ...     | Rs. 46,444 |
| Total expenditure in 1876-77 ... | ...        | ...                 | 59,361     |
| " number of works "              | ...        | ...                 | 90         |

14. I frequently drew attention to the fact that the Overseer had more than he could do, and requested that another Overseer might be posted to the taluq, but without result.

15. After recommencing the work in October 1876, as stated in paragraph 7, it proceeded uninterruptedly till the early part of January last, when the Consulting Architect having seen it advised me to stop work until he could examine the plans and building more carefully than he had time for them. In my official to you, dated 23rd March last, I stated that the work was stopped at the personal request of the Consulting Architect, but on reference to a private memorandum I find he did not request, but merely advised me to stop work. I am sorry for the mistake.

16. I am also sorry for the delay in submitting this report, which has been caused chiefly by my having to refer to numerous records not in this office.

No. 111-GG. From the District Engineer, Trichinopoly, dated 15th Dec. 1877, No. 749.

*Memorandum by the Chief Engineer, Public Works Department.*

Proceedings of the Court of Wards, No. 3,455, dated 24th July 1877, referred for consideration by the Revenue Department, under date 21st September 1877.

FROM the inquiries made by the Chief Engineer he is of opinion that the main cause of the failure of the verandah of the Bodinaickanoor Zemindary house at Madura is attributable to the faultiness of the original and revised designs for the structure, and the great deficiency of detail drawings and proper specifications for the work generally, for which the late District Engineers of Madura, Colonels Roberts and Fischer, R.E., are entirely responsible.

2. The chief expenditure on the work, viz., Rupees 20,552, is shown to have taken place when Mr. Executive Engineer G. R. Leggatt was in charge of the Madura Range in 1873. His inspection reports for that year show he frequently inspected the building, and yet no notice was taken of the fact that the building in the first instance was laid out and built three feet out of the square, and the arches constructed of different dimensions, evidencing most reprehensible carelessness and very superficial supervision and inspection on his part. In G.O., No. 607 of the 7th March 1874, this officer was reprimanded for the lax way in which he had administered the Madura Range, and was reduced to the grade of Assistant Engineer.

3. The range was subsequently held by Sub-Engineer Mooneappah Pillay and though but little work was done to it in his time there is nothing on record to show that when he inspected it, as he appears to have done several times by his inspection lists, he observed the egregious mistakes that had been made. This subordinate also proved himself to be an unsatisfactory public servant when in Madura. Work to the value of only Rupees 3,000 was executed by Mr. Executive Engineer Paynter, who subsequently had charge of the range. The Chief Engineer however cannot absolve him from blame in the matter, as Mr. Paynter himself admits he built the verandahs as originally designed although he did not approve of the design, and appears never to have placed his convictions on record, or in any way brought them to notice until quite lately. For this and other deficiencies brought to notice by the Consulting Architect, but overlooked by Mr. Paynter, the Chief Engineer considers he should be

included in the reprimand he deems all the officers mentioned above most richly deserve.

4. The Overseer (Soobroyalu) who has had personal and immediate charge of the work from its commencement has already been punished by the Chief Engineer, and reduced from the second to the third grade.

5th January 1878.

(Signed) E. A. FOORD, Colonel, R.E.,  
Chief Engineer, P.W.D.

No. 111-H. ORDER THEREON, 14th January 1878, No. 230 W.

THE Government concur in the Chief Engineer's remarks upon this discreditable case of inefficiency and neglect on the part of the several Public Works Officers and subordinates who have been concerned with the work, and direct that an expression of the marked displeasure of Government be conveyed to all of them who are still in the public service.

2.\* The Chief Engineer will endeavour to arrange for placing an officer of the Engineer Establishment in special charge of the repairs of the Tirumal Naick Palace, and of the work under notice, who will give his undivided attention to them.

(True Extract.)

Colonel, R.E.,  
Secretary to Government, P.W.D.

To the District Engineer, Madura.  
To Colonel Fischer, R.E., (on return from furlough).  
To Mr. G. R. Leggatt, through the District Engineer, Ganjam.  
To the District Engineer, Trichinopoly.  
" Revenue Department.  
" Court of Wards.  
" Chief Engineer, Public Works Department.

Exd. E. C. Shunker.  
Spare Copies

★  
GENERAL  
ESTABLISHMENT.

Govt. of (1878) Madras.  
PUBLIC WORKS.

THE DISTRICT ENGINEER.

MADURA.

By Order of the Government.

Madras, 11th May 1878.

Assd.

Recd.

Encl.

G. O. 1116 January 1878, No. 230 W.

JANUARY.

No. 1116-1111H.

Bodinaikanur, Bangalore, Madras District.—The marked dispatches of Government to be conveyed to the several Public Works Officers and Subordinates who have been connected with the building of the

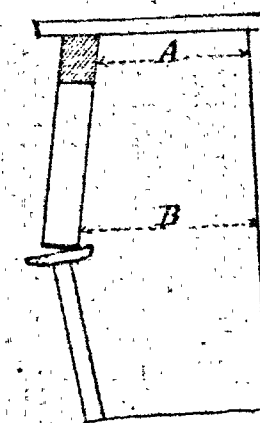
No. 2,505.

PROCEEDINGS OF THE COURT OF WARDS, dated 31st May 1877.

Read the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to H. E. STOKES, Esq., Secretary to the Court of Wards, dated Madura, 4th May 1877:—

With reference to the Court's Proceedings, dated the 12th ultimo, I have the honor to state that I minutely inspected the Bodinaikanur Rajah's residence both yesterday and to-day. The particular point which caught my eye as being unstable during my last visit I have now no hesitation in pronouncing unstable in the highest degree. It is the upper wall of the back verandah. I enclose a sketch elevation and section in order that the Court may themselves judge of the instability. The verandah consists of semi-circular arches in a 15-inch wall supported by upright stone columns rough dressed, varying in diameter from 8 inches to 10 inches and set on end. I learnt on the work that this portion actually fell in May 1876, and I regret to say that it has been built up again without any alteration of design. The official report states that the wall was "blown down," but the meteorological observations both before and after the 16th of May do not appear to exhibit anything unusual. The Overseer states that the verandah fell "because the roof was not on," probably assisted by a gust of wind.

| Date.   | RAIN.   | WIND.                 |             |
|---------|---------|-----------------------|-------------|
|         | Inches. | Velocity in 24 hours. | Direction.  |
| 8th...  | 0.000   | 85                    | S. S. E.    |
| 9th...  | .....   | 53                    | E. by S.    |
| 10th... | .....   | 63                    | S. by E.    |
| 11th... | .....   | 46                    | S. W.       |
| 12th... | 0.340   | 64                    | South.      |
| 13th... | 0.000   | 54                    | S. E. by S. |
| 14th... | .....   | 59                    | S. W.       |
| 15th... | 0.188   | 75                    | S. W.       |
| 16th... | 0.106   | 68                    | West.       |
| 17th... | 0.000   | 34                    | W. by S.    |
| 18th... | .....   | 81                    | .....       |



The roof will hold the top of the wall, and by its weight will prevent any catastrophe until the centre of gravity moves without the base when the whole thing will again collapse. That this action is slowly going on I am convinced from the following measurements accurately taken by myself. There are four of these columns and piers. I measured the point A at the top of the verandah and the point B above the pillar cap over every column:—

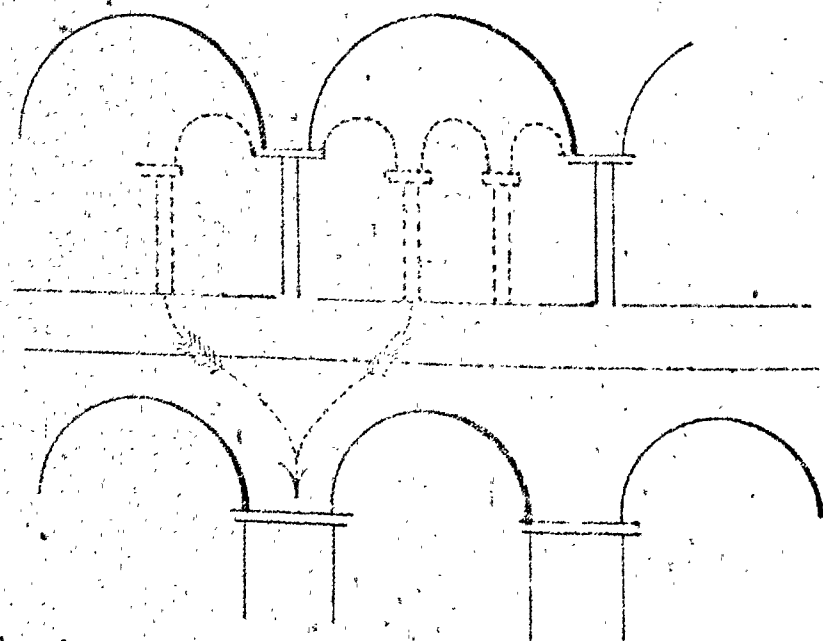
Above the 1st pier, A measured 8' 8½" and B 8' 10½"  
Do. 2nd do. A do. 8' 9½" and B 8' 10½"  
Do. 3rd do. A do. 8' 9½" and B 8' 10½"  
Do. 4th do. A do. 8' 9½" and B 8' 11½"

applying a plumb-bob for confirmation I found every pier "buckling" to the extent of from 1½ inches to 2 inches.

2. The plan which shows no details of any kind nevertheless has circles marked for this verandah 1' 6" in diameter, and the Overseer could not satisfactorily explain why these dimensions were departed from.

3. Considering that the piers of the lower back verandah are now bearing 2½ tons per foot superficial (3 tons I consider the maximum safe weight for country brick),

I would not advise the Court to attempt to remedy the defects pointed out by supplementing the arches with triplets.



and so throwing more weight on the lower piers. I would recommend the substitution of the plan which I now submit for wooden supports and venetians. The specification describes the work in detail.

4. The original drawing is so meagre that it will be impossible, in my opinion, to turn out a neat piece of work. I have therefore made out a drawing, correcting as far as possible defects which I noticed. The staircases are thrust away in corners, and at present the Overseer has a somewhat vague idea of how the roof is to be reached. The ends of the house are dead walls which convey the idea of a State prison. As the object of the Court is to get the work out of hand without additional cost, I have allowed these matters to stand unaltered.

5. Pending the decision of the Court I have requested the Executive Engineer and the Overseer to go on with the work of the bungalow within the compound.

ENCLOSURES Nos. 1 and 2.—Plans.

ENCLOSURE No. 3.—Specification.

COMMUNICATED to the Collector of Madura who will report who is responsible for the grave defects in the construction of the Bodinaickanur Zemindar's house. The Court were recently given to understand that the building had been carefully inspected by the District Engineer and the work pronounced to have been "very fairly done." The Court cannot reconcile this statement with Mr. Chisholm's report and consider that the execution of the work is not at all creditable to the officials who have been engaged on it.

2. The Court are much obliged to Mr. Chisholm for his inspection and report, and direct that his suggestions be adopted and his instructions strictly adhered to.

(A true Copy and Extract.)

(Signed)

C. A. GALTON,  
Sub-Secretary.

To the Collector of Madura, with three enclosures to be returned.  
" Consulting Architect to Government.

Ed. W. J. Lewis.

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*Proceedings of the Madras Government, Revenue Department,  
3rd October 1872.*

No. 20. Read the following Proceedings of the Court of Wards, dated 19th September 1872, No. 1,872:—

Read the following letter from W. McQUHAE, Esq., Acting Collector of Madura, to the Secretary to the Court of Wards, dated 31st August 1872, No. 261:—

I HAVE the honour to submit a plan and estimate for Rupees 12,000 for repairing and improving the house of the minor Zemindar of Bodinaickanur at Madura. The sum of Rupees 1,780 has already been sanctioned for necessary repairs to this house, but the Superintending Engineer wishes to take the opportunity of providing a suitable residence for the Zemindar in Madura. A copy of his letter dated 12th August, No. 2,281, is enclosed. I think that the possession of a suitable residence in Madura will operate as an inducement to the Zemindar to spend part of his time there, and will thus tend to bring him into contact with European gentlemen and others whose society may be advantageous to him. I also think that a good house in Madura is not a bad investment for those surplus funds which the young Zemindar will be very apt to squander if they are handed over to him in cash and Government securities. The balance at the credit of the estate is Rupees 2,09,486-8-8.

ENCLOSURE No. 1.

From Lieutenant-Colonel R. A. ROBERTS, R.E., Superintending Engineer, 8th Division, to the Acting Collector of Madura, dated Covilputti, 12th August 1872, No. 2,281.

ADVERTING to my letter No. 258, dated 19th April 1872, and to your reply thereto No. 817, dated 4th May last, on the subject of the proposed further improvements to the Bodinaickanur Zemindar's Bungalow at Madura, I have the honour to forward, herewith, for submission to the Court of Wards, for sanction, the accompanying estimate, amounting to Rupees 12,000, for such repairs and improvements as appear to me absolutely necessary for making the place a

- 1 Estimate of Rupees 12,000.
- 1 Specification.
- 1 Agreement.
- 1 Plan.

proper and fitting residence for a young gentleman of the Minor's social position and means.

2. It will be observed that the estimate includes a sum of Rupees 1,522 for purchasing three native houses, with their compounds, in rear of the bungalow, in order to afford the space necessary for the construction of cow-houses, bullock-shed, stables, coach-house, etc. Preliminary arrangements have been made for obtaining the said three houses and compounds from the owners, who are prepared to hand over the same, in due form, on receiving the amount above-mentioned.—*Vide* enclosed agreement from the parties concerned. I may mention that the prices, arranged as per agreement, appear to me fair and reasonable; they have been settled by private arbitration by the Minor's Tutor, who is not likely, as you are aware, to pay more than a fair rate for the property in question.

3. In the meantime, I have instructed the Madura Range Officer to proceed with the work included in the estimate of Rupees 1,780 for repairing the bungalow, which is at present in a leaky and dangerous state, and for which work you have already placed the amount above-mentioned at my disposal.

4. But as I have already informed you, and as you will observe from the plan, the mere repair of this bungalow is a very small matter in what is required to make the present filthy place a decent residence for the young Zemindar. I have been informed that he is *two lakhs of Rupees to the good*, and that that amount is lying idle in the Treasury to his account. I cannot

1877.  
Court of Wards,  
MADRAS.

PROCEEDINGS, 31ST MAY 1877, No. 2,505.

Exh.

Received

*See 24/28/77*

MAY.  
No. 2,505.

*Bodinaickanur Zemindar's House—in Madura District.—Requesting Collector to report who is responsible for the grave defects in the construction of the— and directing that the suggestions of the Consulting Architect to Government on the subject be adopted and his instructions strictly adhered to.*

*Proceedings of the Madras Government, Revenue Department,  
3rd October 1872.*

suppose, therefore, that any difficulties will be raised by the Court of Wards to the expenditure of the sum in question towards the provision of a fitting town residence for the Zemindar.

5. I need scarcely say, in conclusion, that the preparation of this plan has been a great pleasure to me, because I think it is a good opportunity to set an example of what a native gentleman's house in this town might and should be. And not only this, but the mental perceptions of a young man brought up in a clean residence and well-ordered household must necessarily be far superior to his who is accustomed from his youth upwards to walk up to his ankles in cow-dung.

ENCLOSURE No. 2.—Plan.

ENCLOSURE No. 3.—Estimate.

ENCLOSURE No. 4.—Specification Report.

THE Court of Wards fully approve the Collector's proposal to provide a suitable residence in Madura for the minor Zemindar of Bodinaickanur at a cost of Rupees 12,000.

2. The Court are much indebted to Colonel Roberts for the trouble he has bestowed on the preparation of the plan of the house and for the kindly interest he has evinced in the welfare of their ward. They approve of the plan and sanction the construction of the building.

3. The Collector is requested to state whether he has funds in hand to meet immediate wants for the building. He is informed that there is a sum of Rupees 14,000 to credit of the estate in the Madras Bank which the Court proposed to invest in securities but which can be made available for this purpose.

No. 21.

ORDER THEREON, 3rd October 1872, No. 1,377.

Miscellaneous.

APPROVED.

(True Extract.)

(Signed)

W. HUDLESTON,

Secretary to Government.

To the Court of Wards.

Exd. F. R. Pantleman.

Despatch for Minor Zemindar of Bodinaikur of Madura. Proceedings of the Board of Revenue, regarding repairs and improvements to it, approved.

OCTOBER.  
Nos. 2021

G. O. 3rd October 1872, No. 1377.

Recd.

Dated October 2nd.

THE COURT OF WARDS.

REVENUE.

Obbt. of 1872 30th Nov.

No. 3,455.

PROCEEDINGS OF THE COURT OF WARDS, dated 24th July 1877.

Read the following letter from W. McQUHAE, Esq., Collector of Madura, to H. E. STOKES, Esq., Secretary to the Court of Wards, dated 26th June 1877, No. 88:—

With reference to the Proceedings of the Court of Wards, dated 31st May 1877, No. 2,505, I have the honor to enclose copy of a letter from the District Engineer, dated 21st June 1877.

2. Mr. Paynter as Range officer and Soobrayaloo Naidoo as working Overseer appear to be responsible for the chief defects pointed out by Mr. Chisholm.

3. The improvement of the Zemindar's house was suggested by Colonel Roberts who wished to undertake the work. When the Court of Wards originally sanctioned the work they did not expect that revised estimates for larger amounts would be sent in from time to time, and they have never refused to pay for any supervision that might be necessary. In the beginning Colonel Roberts took the greatest personal interest in the work and it was in no way thrust upon him.

4. With reference to paragraph 7, the Court of Wards wrote me a demi-official note making certain inquiries. I visited the building with Mr. Harington and wrote to the Court of Wards exactly what Mr. Harington told me. I had no idea that Mr. Harington was not acting in his official capacity.

5. It seems very necessary that the District Engineer should be directed to finish the building at once, employing such supervision as may be required. The work has cost much more than it ought to have done. It has been badly executed, and there has been the most extraordinary delay. For all these things the District Engineer for the time being is surely responsible, and I think Mr. Harington's position with regard to the work is clear. He should find out what is wrong and take the necessary steps to put it right with the least possible delay.

ENCLOSURE No 1.

From W. S. HARRINGTON, Esq., District Engineer, Madura, to W. McQUHAE, Esq., Collector of Madura, dated 21st June 1877, No. 74.

Your Miscellaneous No. 47 of the 9th instant.

THE query put by the Court of Wards as to who is responsible for the grave defects in the construction of the Bodinaikur Zemindar's house is a somewhat difficult one to answer. After wading through the mass of correspondence connected with it, I find that Colonel Roberts when Superintending Engineer of the then 8th Division originally undertook at your request in April 1872 the repairs to the "bungalow" then estimated to cost Rs. 1,780 only. On the 19th of that month in reply to your letter, No. 680, dated 16th idem, placing this sum at his disposal, Colonel Roberts states that on inspecting the building he found it in such an unsatisfactory state that the sum provided in the estimate prepared by the Overseer\* was insufficient, and requests to be informed if a further sum of Rupees 2,000 "or so" could be allotted. I do not find your reply to this letter, but that it was replied to is mentioned by Colonel Roberts in his No. 2,281, dated 12th August 1872, with which he forwards for sanction a third estimate, this time for Rupees 12,000, "for making the place a proper and fitting residence for a young gentleman of the Minor's social position and means"; this sum was sanctioned by the Court in the following month (September) and they approve of the plan. In December 1873, Colonel Roberts forwards to you with his No. 3,899 a fourth estimate, amounting to Rupees 28,100, in lieu of that just alluded to; the excess over it "is principally due" he states to the thorough reconstruction of the front building instead of the "additional story as was originally intended". The Consulting Architect to Government now first appears upon the scene, for Colonel Roberts states in paragraph 5 of his letter that he thinks it right to add that the new design for the frontage has been kindly furnished to me by this officer. In your No. 41, dated 14th January 1874, you ask whether this large estimate cannot be reduced, adding that when you approved of the undertaking you had no idea that any such sum as Rupees 28,100 would be asked for from the Court of Wards. Colonel Roberts in his

\* M. Chockalingum Pillay now employed as a Sub-Overseer in the Melur Taluk.

No. 4,415, dated 26th idem, states that any reduction of the estimate is impossible and gives his reasons, adding that "all the details of the estimate were very carefully gone into by Lieut. Greer, R.E., who took particular pains in preparing a superior description of brick for the main buildings". The Court of Wards in their Miscellaneous Proceedings, No. 1,347, dated 25th February 1874, sanction this estimate, which on the 21st of the following month is forwarded to Supervisor Mooneappa Pillay, then in charge of the Madura Range, "for vigorous prosecution", the remark being added that, considering the large amount of the sanctioned estimate, it must be distinctly understood that there must be no excess on the estimate. On the 2nd of February 1876, Colonel Fischer, who had succeeded Colonel Roberts as District Engineer, submits with his No. 434 a comparative statement showing that a further sum of Rupees 4,815 is required to complete the building, and remarking that Colonel Roberts had ordered several "changes to be made;" he was unaware on what grounds, but in paragraph 3, Colonel Fischer states that at the request of the Minor and with your approval he (Colonel Fischer) ordered certain changes to be made, and so long ago as 20th May 1875 he directed a revised estimate to be prepared which was only sent to him on the 18th instant (see), and he concludes his letter by requesting sanction for the amount Rupees 4,815, so that the work may go on at last; for these two last years Mr. Paynter has been the officer entrusted with the execution of the work, "Soobarayuloo Naidoo", a very careless and extravagant man, being the working Overseer.

2. On the 8th May 1876 your successor, Mr. Bliss, forwarded this estimate of Rupees 4,815 to the Court of Wards, who in their reply say that before sanctioning it they desire to be informed if it provides for everything required. Mr. Paynter is desired by Colonel Fischer on the 18th idem to answer this query, which he does on the 21st to the effect that it would have provided for everything required, but that some damage was done (by a storm) on the night of the 15th May necessitating a further expenditure of Rupees 450 for which accordingly an estimate is submitted; this sum Colonel Fischer informs Mr. Paynter in reply should be met from savings or the ordinary 5 per cent. on the sanctioned amount, and addressing the latter again on the 28th of June he says in reply to a question from that officer, dated the 7th idem, that the revised estimate of Rupees 33,460 "provides for everything required towards completing the Bodinaikenur minor Zemindar's bungalow at Madura", though he evidently labors under the apprehension that both work and accounts are not in quite a satisfactory or explainable state, as he remarks that "the comparative statement shows the omissions in the original estimate, the alterations made by Colonel Roberts, and the additions made at the request of the Zemindar", and that he has endeavored to get a full account of the exact cost, as well as I could, from the state of the works, and I trust the work will soon be finished for the above sum. From the above date of four months unreported upon by any one till the 8th of November last when Colonel Fischer visited it, and, remarking on the dilatory way in which it was being conducted, requested the Range Officer (Mr. Paynter) to explain how it was being carried out. I do not find any answer to this question, but on the 6th March last, I having taken charge of the district from Colonel Fischer on the 18th of December previous, I was requested by you to state when the Bodinaikenur minor Zemindar's house will be ready for occupation. On the 9th of March I forwarded copy of your memorandum to Mr. Paynter for immediate report. That officer replying on the 23rd idem states that the work was stopped by him last January at the personal request of the Consulting Architect. Being much harassed with other work at the time, I did not inquire what Mr. Chisholm's powers were, and if he was in charge of the work, but from his authoritative action I concluded that he, and not I, had charge of it.

3. After this long preamble which I have deemed it necessary to make for the full information of Government, to whom I refer the entire question as I cannot think that they are acquainted with it in its various phases, I have now to state that I have not understood, and do not now understand, my position with regard to the construction of this building. The District Engineer is apparently held responsible by the Court of Wards for defects in it, but the Consulting Architect comes to Madura on three different occasions (perhaps on more) and gives his own orders to the Executive Engineer of the range and the Departmental Overseer, the District Engineer under whose orders they both are and who may have and has other and far more important work for them to attend to not being even referred to. I am sure that the Consulting Architect, who is a personal friend of mine and whose work and general talents I hold in high estimation, deemed that he was not out of order in giving these instructions, but I do not find anywhere on the records that he had the authority of Government for giving them.

4. I presume that when Colonel Roberts was first asked (apparently as a kind of favor) if he would undertake the repairs originally estimated to cost but Rupees 1,780, he acquiesced because the work was trifling and could be done and supervised by this department; it seems to have entirely escaped his notice, and I may add that of the Court of Wards and yourself, that the extensive improvements and alterations afterwards estimated for and amounting, 1st, to Rupees 2,600 (extra), then to Rupees 12,000, then to Rupees 28,100, and finally to Rupees 33,460 and on which Colonel Roberts would appear to have entered "con amore," taxed far too much of the time of the one Public Works Department officer and the Departmental Overseer who

was then in charge of the town works. A few months after Colonel Fischer took charge of the district this one man was ordered to look after both town and taluq works, and from that time the expenditure gradually decreased, Rupees 16,170 having been spent while Colonel Roberts was Superintending (or District) Engineer, and but Rupees 9,530 during Colonel Fischer's incumbency. Both officer and subordinate had their own legitimate duties to perform and very heavy and multifarious they were, and are I presume to state positively my opinion that to absolutely ensure the proper construction of the building, it should have had the undivided time and attention of an officer or Supervisor, Upper Subordinate, specially deputed for the purpose, even when the first revised estimate of Rupees 12,000 was sent in; had this been done and his salary charged in whole or in part to the Zemindar's estate, the work should have been quickly carried out to completion; the cost would not have been what it is now likely to be, and the Zemindar would have been safely housed in his new domicile long ere this.

5. I do not consider that merely because I am District Engineer of Madura I am bound by any action of Colonel Roberts', and I think it due to myself to notice the results that have ensued from that officer's action; neither can I think that I am under the orders of the Court of Wards, the Consulting Architect, or yourself. I say this in no earping or cantankerous spirit, but I say it nevertheless, and in soliciting the orders of Government regarding the completion of this building I have respectfully requested them, if I am ordered to supervise it, to allow me to employ such extra superintendence as I may find to be necessary; the work to be directed by a thoroughly good and experienced Upper Subordinate or Overseer who shall have this work and this only to attend to.

6. I can only reply to the question put by the Court of Wards as to who is responsible for the grave defects in the construction of the building by stating that the upper wall of the back verandah alluded to in the first part of Mr. Chisholm's letter to the Court as unstable in the highest degree was built in 1876 at which time Mr. Paynter was the Range Officer who supervised its construction and "Overseer Soobarayuloo Naidoo" the working subordinate.

With regard to the remark made by the Court as per margin if I am the District Engineer referred to I must entirely disown the impeachment; as already stated the work was stopped immediately after my arrival in the district by Mr. Chisholm's orders and has never been resumed. I paid only one, and that quite a non-official, visit to the building with you on the 1st of February last, but I did not examine, much less personally inspect it. I may have remarked casually to you that some of the work was fairly done which it was, but as I knew nothing whatever of the building and had not looked at any part of it nor even at the plan and estimate, conceiving as I then did that it was entirely under Mr. Chisholm, any remark I may have made was not made in my official capacity. I was not asked for my opinion on the whole work as an Engineer, civil or district; had I been I should, of course, have called for plans and estimates and have gone very minutely into the question, and I hope and believe that in that case the defects which have attracted Mr. Chisholm's notice would not have escaped mine. I in fact noticed others on a somewhat careful inspection of the work this morning.

(True Copy).

(Signed) W. McQUHAE,  
Collector.

These papers will be submitted for the orders of Government.

2. In G.O. dated 3rd October 1872, No. 1,377, the Government approved an arrangement under which the Court of Wards sanctioned an outlay of Rupees 1,200 on the construction by the Public Works Department of a residence for the Bodinaikenur Rajah in the town of Madura. The work was put in hand, but it proceeded with considerable delay, and the estimates were constantly increased. At the commencement of the present year the Court became anxious on the subject, and took the advice of Mr. Chisholm who happened to be in Madura. That this action was desirable was rendered clear by the result, for from Mr. Chisholm's report it appeared that after a very large expenditure an essentially unsafe structure had been produced. The Court then passed Proceedings, dated 31st May 1877, No. 2,505, calling on the Collector

to make inquiries as to who was responsible for the defects in the building, and directing that certain suggestions, which Mr. Chisholm had made regarding its completion, should be carried out. The Collector now replies enclosing a letter from the present District Engineer.

Encs 2, 3, 4. See letter  
from the Chief Engineer to the  
Collector (Chief Engineer's No. 177)  
No 195 dated 25.10.177

3. The Collector's 2nd and 5th paragraphs afford the information asked for by the Court, and the Court find it necessary to ask the Government to pass such orders as they may think fit regarding the negligent manner in which the work in question has been performed by the Public Works Department.

4. The District Engineer further raises the question whether he is bound to proceed with the work. The Court have already pointed out that the work was undertaken by the Public Works Department in 1872 under the orders of Government, and nothing has since occurred to alter this arrangement. They may add that it was only at the suggestion of the then Superintending Engineer, Colonel Roberts, that anything was undertaken more than simple repairs to the old building, as may be gathered from the papers recorded with the G.O. of the 3rd October 1872. The Court conceive that the view expressed by the Collector at the close of paragraph 5 of his present letter is correct, and they request that the Government will be pleased to order the continuance of the work by the District Engineer subject to the instructions of the Court. They are willing to sanction the pay of any supervising staff which may be considered necessary.

(True Copies and Extract.)

(Signed) C. D. MACLEAN,  
Additional Sub-Secretary.

To the Secretary to Government, Revenue Department,  
with copy of Board's Proceedings, 31st May 1877, No. 2,505.

Copy to the Collector of Madura.

" " Consulting Architect to Government.

Other Dept 11/2/77

Exd. W. J. Lewis.

Referred, with copy of G.O. 30th Nov 1872, No. 1377 A.D. to the Department Public Works, for consideration in connection with G.O. 7 July 1877 No. 372 R. Public Works Department

For G.O. 21 April 1877

W. J. Lewis  
Secretary to Govt.

Building under construction in the town of Madura for the Bodinayakanur Rajah. Submitting to Government papers regarding defects pointed out by Mr. Christy in—, and requesting Government to order the continuance of the work by District Engineer subject to instructions of Court of Wards.

JULY.  
No. 3,455.

Received 25 July.

PROCEEDINGS, 24th JULY 1877, No. 3,455.

COURT OF WARDS,  
MADRAS.

No. 3,455

Dec. 1877. 25th

No 195

District Engineer's Office  
Madura 5th November 1877

From,

The District Engineer  
of Madura

To

The Chief Engineer

P.W. Dept.  
Madras

Sir,

In continuation of my No. 168 dated 8th ultimo, I have the honor to forward copy of a letter from the Executive Engineer, Dividigal

1. Copy of Mr. Paynter's Report of Court of Wards Pro: No 3455 of 24th July 1877 bearing Government (R.D) endorsement No 3428 dated 21st Sept 1877
1. Spare Copy of G.O. (R.D) No 1377 dated 3rd Oct 1872 -
1. Do - of Court of Wards Pro: No 2505 of 31st May 1877

Range No. 2280 of the 3rd Instant reporting his & Querees 'ookroyaluhain' connection with the construction of the Bodinayakanur minor zemindari Bungalow at Madura.

The original Enclosures of your No. above quoted are herewith returned - I forbear to make any comment either upon Mr. Paynter's letter or the subject generally as I do not conceive that Government

require any remarks from me.

I have the honor to be,

Sir,

Your most obedt Servt

W. S. Livingston

District Engineer

Madras

Diuidigal Division Office,  
Diuidigal 3<sup>rd</sup> November 1877.

No. 2280.

From

The Executive Engineer,  
Diuidigal Division.

To

The District Engineer,  
Madras.

Sir,

enclosures - 3.

With reference to your No. 1637 dated 3<sup>rd</sup> ultimo, I have the honor to return the papers noted in the margin and to give the history of the connection of Overseer Sobroyaloo Naide and myself with the construction of the residence for the Bodinaichanoor Rajah, as directed by the Chief Engineer in his No. 3087 dated 5<sup>th</sup> Idul.

1. Govt order No. 1377 dated 2<sup>nd</sup> October 1872. Revenue Department.  
1. Order of the court of wards No. 2505 dated 31<sup>st</sup> May 1877.  
1. Proceedings of the court of wards No. 3465 dated 24<sup>th</sup> July 1877.

2. The work was commenced in January 1873. Mr. G. R. Leggatt was then in charge of the Range, and overseer Moothoopany Pillay in charge of the Taluk, and of this particular work.

3. Overseer Sobroyaloo Naide took charge of the works in April 1873. At that date an expenditure of Rs. 2849-5-1 had been made in the purchase of materials, purchase of land, and excavation of foundations.

4. Sub Engineer Moonesappah Pillay

assumed charge of the range on the 10 January 1874. The expenditure was then Rs 10,846-2-11.

5. I received charge of the range on the 18 August 1875. The building was then a shanty shell and had been so from the previous March for want of funds. The expenditure at that date was Rs 22,100-7-9, and the masonry of the main building had been finished; roofing, stone-cases, plastering, flooring &c., had yet to be done. The out-buildings had been completed except some very trivial work to the doors and windows. Nothing had been done to the entire bungalow except removing roof.

6. On the night of the 15 May 1876, before I had done any thing to the building, or received sanction to proceed with it, the upper back verandah wall, supported on four pillars, fell. I reported the circumstance to the District Engineer next day and attributed the cause to the force of the wind acting on a high long wall supported on slender pillars and unstayd at the top by a roof. The length of the wall is 60 feet, and the height from the verandah floor, including pillars, 15 feet. Though the meteorological observations, as Mr. Whistler remarks, do not exhibit any thing very unusual I cannot recall, or even modify, the

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statement made by me that "a severe storm passed over Madras. It did not last an hour but the force of the wind was very great a part of the time." I remember a substantial pandal supported on stout masonry pillars in front of my house was blown down and many avenue trees in the town fell that night.

7. I received instructions to proceed with the work on the 25 July 1876, but no work was actually done till October. The two previous months were occupied in collecting materials.

The verandah was then restored as originally built; this the District Engineer, Colonel Fisher, approved of, and I did not see any thing else could be done and considered the wall would be safe once the roof was on; the whole building is very light, and the front lower verandah being supported on pillars just the same size as those that fell, it would not have looked well if the upper pillars were more substantial than the lower.

8. I do not mean to say that I fully approved of the design for the bungalow but so much of the work had been done when I took charge that it was too late then to alter the design, and I did not consider the building unstable, though the margin for safety was

not large. The design and original estimate were made by Colonel Roberts, and a revised estimate was prepared by Colonel Fischer just before I joined.

9. The total expenditure by me on the building was Rs 3649-3-4, but of this sum Rs 536-15-8 was paid in settlement of outstanding claims from my predecessor's time, and for a watchman. The total expenditure therefore by me on work done by me was Rs 3112-3-8; and for this sum the following works were done; rebuilding the upper wall that had fallen of the back verandah of the main building; roofing main building; constructing upper front verandah of main building; and the greater part of the alterations required to centre bungalow.

10. I can only find on record that I visited the building six times during 1876; on the 10 March, 16 May, 10 and 21 October, 24 November and 10 December, but I visited it oftener than this though as I had nothing particular to remark on the other occasions I omitted to enter them in my Inspection Report.

11. The Consulting Architect considers that the pillars supporting the back verandah wall are slowly moving, and that eventually the centre of gravity will be without the base,

and in support of his opinion he gives the following measurements taken 4 May 1877.

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Above the 1<sup>st</sup> pier I measured 8' 8 1/2" and 13' 8' 10 1/2"  
" " 2<sup>nd</sup> " A " 8' 9 1/2" " 13' 8' 10 5/8"  
" " 3<sup>rd</sup> " A " 8' 9 1/2" " 13' 8' 10 3/4"  
" " 4<sup>th</sup> " A " 8' 9 3/4" " 13' 8' 11 1/2"

I measured at the same points on the 18<sup>th</sup> ult and the following are the results.

above the 1<sup>st</sup> pier I measured 8' 8 1/2" and 13' 8' 10 1/4"  
" " 2<sup>nd</sup> " A " 8' 9 1/2" " 13' 8' 10 3/8"  
" " 3<sup>rd</sup> " A " 8' 10" " 13' 8' 11"  
" " 4<sup>th</sup> " A " 8' 10" and 13' 8' 11 1/2"

By this it would appear that at all events the pillars are not moving more out of the perpendicular than they were.

12. I was aware when the work was in progress that the pillars supporting the lower front verandah and the upper back verandah were slightly thinner than the estimate provided for, but knowing that they had been in their places for a very considerable time, that both Colonel Roberts and Colonel Fischer had frequently seen them, and understanding from the overseer that they had been approved of by Colonel Roberts and not objected to by Colonel Fischer, I made no official reference on the subject.

13. The accounts of the work, neither were, nor are, in a satisfactory state - in fact

14. I never could get properly prepared accounts from the Overseer, but he has this to be said in his favor that during the whole time I was in charge of Madura Range he had more work than one man could look after. Previous to 1875 one Overseer had charge of the Taluk and another of the town works including the palace, but in the early part of 1875 both town and taluk works were put in charge of Overseer Soobroyaloochietu. The number of works in his charge and expenditure on them are given.

|                                         |          |                        |
|-----------------------------------------|----------|------------------------|
| Town.                                   | 1875-76. | Taluk.                 |
| Number of works 13.                     |          | Number of works 54.    |
| Expenditure Rs 18,536.                  |          | Expenditure Rs 58,190. |
| Total expenditure in 1875-76 Rs 77,026. |          |                        |
| Number of works 67.                     |          |                        |

|                                         |          |                        |
|-----------------------------------------|----------|------------------------|
| Town.                                   | 1876-77. | Taluk.                 |
| Number of works 16.                     |          | Number of works 74.    |
| Expenditure Rs 12,977.                  |          | Expenditure Rs 11,114. |
| Total expenditure in 1876-77 Rs 24,091. |          |                        |
| Number of works 90.                     |          |                        |

15. I frequently drew attention to the fact that the Overseer had more than he could do and requested that another Overseer might be posted to the Taluk but without result.

After recommencing the work in October 1876 as stated in para 7 it proceeded uninterrupted till the early part of January last

when the Consulting Architect having seen it advised me to stop work until he could examine the plans and building more carefully than he had time for them. In my official to you dated 23<sup>rd</sup> March last I stated that the work was stopped at the personal request of the Consulting Architect but on reference to a private memorandum I find he did not request but merely advised me to stop work. I am sorry for the mistake.

16. I am also sorry for the delay in submitting this report which has been caused chiefly by my having to refer to numerous records not in this office.

I have &c  
 per J. W. Payer.  
 Executive Engineer,  
 Hindustan Division

True Copy.  
 W. Harrington  
 District Engineer,  
 Madras

Enc 1 Encl letter  
from the District Engr.  
Madras to the  
Chief Engineer D. B.  
dated 5 Nov 1877  
etc 195-

P. B. D. 76  
Memorandum by the Chief  
Engineer P. B. Dept.  
30/11/75

Proceedings of the Court of Wards No 3455  
dated 24<sup>th</sup> July 1877 referred for considera-  
tion by the Revenue Department under  
date 21<sup>st</sup> September 1877.

From the inquiries  
made by the Chief  
Engineer he is of  
opinion that the main  
cause of the failure  
of the Verandah of the  
Bodinaikamoor Zamindary  
house at Madurai is  
attributable to the  
faultiness of the original  
and revised designs for  
the

Deadly accident  
at Fort St. George  
in this district  
case. P. B. issue a  
G.O. accordg. to  
the suggestion of the  
this system of doing C. of  
hand work in scratch  
fashion this for Dept.

to be forgotten

L. R.

the structure and the great deficiency of detail drawings and proper specifications for the work generally for which the late District Engineer, of Madurai Colonel Roberts and Fischer R.E. are entirely responsible.

The chief expenditure on the work viz Rs 20,552 is shown to have taken place when Mr. Executive Engineer L. R. Leggett was in charge of the Madurai Range in 1873. His inspection reports for that year show he frequently inspected the building and yet no notice was taken of the fact that the building in

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in the first instance was laid out and built 3 feet out of the square and the arches constructed of different dimensions evidencing most reprehensible carelessness and very superficial supervision and inspection on his part. In G. O. No. 607 of the 7<sup>th</sup> March 1874 this officer was reprimanded for the way in which he had administered the Madurai Range and was reduced to the grade of Assistant Engineer.

The Range was subsequently held by Sub Engineer Mooniappaiah Pillay

and though but little  
work was done to it  
in his time there is  
nothing on record to  
show that when he  
inspected it as he appears  
to have done several times  
by his inspection lists  
he observed the egregious  
mistakes that had been  
made. His subordinate  
also proved himself  
to be an unsatisfactory  
public servant when  
in Madras. Work to the  
value of only Rs 3,000  
was executed by Mr.  
Executive Engineer  
Paynter who subsequently  
had charge of the Range.

the

230  
17

The Chief Engineer  
however cannot absolve  
him from blame in the  
matter as Mr. Paynter  
himself admits he  
built the verandah as  
originally designed  
although he did not  
approve of the design  
and appears never to  
have placed his objec-  
tions on record or in  
any way brought them  
to notice until quite  
late. For this and  
other deficiencies brought  
to notice by the Con-  
sulting Architect but  
overlooked by Mr. Paynter

the

the Chief Engineer  
considers he should  
be included in the  
reprimand he deems  
all the officers men-  
tioned above most  
richly deserve.

The Overseer (Looka-  
royalao) who has had  
personal and immediate  
charge of the work from  
its commencement has  
already been punished  
by the Chief Engineer  
and reduced from the  
second to the third grade.

Wm. M. Collier  
Chief Engineer  
P. M. Dept.  
January 5<sup>th</sup> 1878

Submitted for orders.

Wm. M. Collier  
Secretary to the  
P. M. Dept.

For orders

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19

Yours

The District Engineer  
Madras

For

To  
The Chief Engineer  
A.W.

Dec. 25 Nov 77  
Received

Ena 1-1

Bedmarckens  
Zinnens bronzalou  
deporting afon-

Rec'd 10-1-78  
Civ 5-1-77. Re-1-78.

N<sup>o</sup> 230 W Public Works Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Read the following :—

Letter from the Dist: Surg: } (H.C. No. 195 of 5<sup>th</sup> Nov: 1877)  
Madura }

Do. Do. Trichinopoly (a. n. 749 - 15<sup>th</sup> Dec - )

Wms by the Chief Justice PWD (u. a. — 5th Jan 1878)

The Government  
concur in the Chief Engineer's  
remarks upon this discredit-  
able case of inefficiency and  
neglect on the part of the  
several Public Works Officers  
and Subordinates who have  
been concerned with the  
work, and ~~to whom~~ <sup>direct</sup> with  
~~the exception of Major~~  
~~General Roberts who has~~  
~~retired from the service~~  
~~these papers will be~~

~~communicated for information~~  
that  
an expression  
of the marked displeasure  
of the Government  
of the Government

them down still in the public mind

2. The Chief Engineer  
will endeavour to arrange  
for placing an Officer  
of the Engineer Establish-  
ment in special charge  
of the repairs of the  
Torninal Naick Palace,  
and the work under notice,  
who will give his undivided  
attention to them.

21/1/78

Depd 24-1-78

D.E. Madras 7-  
Col. Fischer S.E. (on return  
from far long)  
Mr. G.R. Leggett, the  
D.E. Gaurjann. D.E.  
D.E. Strickland 5  
Revenue Dept. - 20  
P. - 1-1-78

Questions. Answers from the  
from Engineer  
to Deputy N. Manapah Pillay  
Chief Engineer  
D. P. W.

Can you (1) who had only taken charge  
state to the of the 1st Range of the Madras  
rest of your District in January 1874  
collection and as the building in  
when the question was in progress  
Bordomannan long previous to my taking  
Bordomannan's charge I am unable to  
know in the estate when the Bordomannan  
Madras District Zemindar's house at Madras  
is commenced was commenced. This  
could be ascertained from  
the records of the Range.

Who was Range (2) I believe W. R. D. Legg  
lies when it was the Range officer when  
he laid out it was laid out as he was  
holding that position for  
about more than 2 years  
in that Range, the work was  
then under progress.  
The actually (3). I am unable to say  
instant that is for a certainty, who  
asked the actually laid out as had  
the foundation marked out the lines  
ground for the foundation ground for  
the Excavation, but I believe  
superintended the laying out of the building

the laying out building must have been  
of the building. Superintended by  
ourselves Subroyal, said  
and a Maistry from Madras  
both of whom I was told  
had the charge of the building  
from the commencement  
and when I took charge  
in January 1874 I found  
these men to be in sole charge  
of the work.

(4) What connection (4) I thought I was in Madras  
had you with from January 1874 to June  
the building? 1876, still the principal  
How long was works such as the Bordonada  
it under your two Zaminadar's house  
charge? and Chennamalanakan's  
palace in the town of Madras  
were under the immediate  
superintendence of Lieut.  
H. Greer Esq. Civil Engineer  
for a part of 1874 and over the  
Subroyal and Maistry were a  
subordinate to him.  
The works were carried out  
Departmentally under  
the immediate supervision  
of the Maistry over whom  
when he indents an order  
for funds I used to supply  
with cheques. On checking  
his monthly accounts he  
ceased into the Range office  
finding his papers were  
excepted and the accounts  
were not kept properly

it was brought to the notice  
of Colonel Roberts who  
immediately ordered Lieut.  
Greer to scrutinize the whole  
of Messrs accounts and  
so the Gentleman was engaged  
on that duty for some time  
postponing the progress of the  
work and not only on this  
occasion but also for many  
days at intervals owing to  
the revision of the Establishment  
or want of funds and so  
I am unable to state how  
long the building was under  
my charge. Papers con-  
nected with the Enquiry  
made by Lieut. Greer  
will be found in the District  
Engineer's office. I have  
no other connection with the  
building than what I have  
above stated.

(5) State exactly (5) Nearly the whole of the out-  
what was done houses and the walls of the  
if any thing main building were com-  
before you took pleted with the exception  
charge and the of a portion of the top of the  
degree of completion. Main walls before my taking  
you left it in charge of the Range and  
when I left Madras there  
remained the superstructure  
of the upper story to be raised.  
The work was at a stand  
either owing to one of the causes  
advertised in para 4.

Can you say how many times you visited the work and can you supply any notes as to its condition each time you visited. (b) It is not possible for me to say how many times I visited the work but the dates of my inspections will be found in my Inspection Report which must be in the Madras Range office. Whenever I inspected the work with Colonel Roberts he himself used to note every thing in the Overseer's Day book. I would scarcely have then made any remarks but during my visits I believe I might have made some remarks which without my Diary before me I could hardly remember. Lastly I visited the work in company with Colonel Roberts and Colonel Fivcher in January 1875 when the former Gentleman came to the District by order of Government to report upon the Karkul Court and Colonel Roberts then remarked that not only the view of the building was spoiled but the building itself had been weakened owing to certain deviations in the sanctioned original design. He said "Day book" will

will show the condition of the building and other instructions given to the Overseer by the District Engineer during each time of visit to this particular work and that book will be found in the Overseer's office

(7) Had you charge of the sub division in which the Zemindar's house is situated in 1873 before you took charge of the Range in 1874.

(7) I had not the charge of sub division in which the Zemindar's house is situated in 1873 before you took charge of the Range in 1874.

The above answers are prepared from my memory.

230  
22

N. Broomepeck Cullen -  
 Sub Engineer D. P. W.  
 11<sup>th</sup> Decr 1877 -

Enclosed is to the  
No 749 of 15th Dec 1877  
from Dist Engineer  
Trichinopoly

No 749

From

To

Sir

Trichinopoly  
District Engineer's Office  
15th December 1877

The District Engineer  
Trichinopoly

The Chief Engineer  
D.M.

I have the honor to forward in original  
the answer given by the Sub Engineer Mooneypa  
to the questions put in your Memorandum No 419  
dated 27th November 1877.

I have the honor to be  
Sir  
Your most obedient servant

W. M. M. M.  
District Engineer

2-4 2-2.  
Chas 11449 & 12889

4814-2-74 10373

7-3-74 - 607

24-7-74 - 2005

5-8-74 - 2154

21-8-74 - 2361

19-11-74 - 3273

20-1-76 - 114

22-1-76 - 161

10-2-76 - 363

16-3-77 - 891

21-4-76 - 1007

20-6-76 - 1532

21-6-76 - 1562

7-7-77 - 3724

21-9-77 - 7614

C-2 3087 of 5-10-77

3212 - 12-10-77

41192 - 27-11-77

4118 }

Roads and Buildings

Spec. Ag. District Engineer  
Frederick

No 749

Dated 15<sup>th</sup> December 1877

Enclosure (enc)

Forwards the Original  
Answers given by the Sub  
Engineer. Munro & Pelly

233  
25

Unals-1-78  
C-5-1-77

984  
 107/1149  
 12987  
 1878  
 1878  
 PUBLIC WORKS.  
 107/1149

To *The D. C. Madras*

Dated

Issued

Recd.

Encl.

G. O. 14 Jan 1878. 2306

Nos.

*Bodinaikeroor Zamin-  
dars Rungalore, Madras*

Dr. — The marked displea-  
 sure of the Government at  
 the result of the officers and  
 subordinates who have  
 been connected with the  
 building of the —

*Contd. in Page*

1023 Dec 1877 No 2125. 17.  
 21 Sep " 761. 17.  
 7 Jul " 372. 17.