(1) பக்கங்களின் எண்ணிக்கை 66

(2) புதுக்கித் திருப்பிய நாள் 8/88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

P.W துறை

அரசாணை எண். / மு. கோப்புத் தாள் எண். 2208 W

அச்சகம் / பலவகை

நாள் : 6-9-1884 ~~198~~ .

டிக்கவோ கண்டபடி கையாளவோ கூடாது

ஆவண. கா-1—18,006—15-6-87.

6TH SEPTEMBER 1884, No. 2208 W., PUBLIC WORKS.

2208/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works

READ—the following letter from Colonel T. E. TENNANT, Inspector-General of Jails, to the Chief Secretary to Government, dated 21st July 1884, No. 223:—

I have the honor to forward the accompanying letter * from the Superintending Engineer of the IV Circle, with eighteen enclosures, regarding the quarters of the Superintendent of the Central Jail at Vellore, now under construction.

* No. 221 M, dated 11th July 1884.

2. Colonel Beatty's letter fully explains the grounds for submitting a revised estimate, so it is not necessary for me to go through each item. But as I am about to vacate office it may be convenient if I offer a few observations on some of the causes for the increased estimates.

(i) *Tower.*—It was originally proposed to construct a massive, ugly and awkward outside staircase for the use of the sweeper and menial servants going to the upper-story. I at once took objection to this arrangement as it would not only be unsightly but would obstruct ventilation and light, necessitating the closing up of one side of the verandah. In lieu of this cumbersome masonry outside staircase, I proposed a tower containing a spiral staircase. It was then calculated that, taking into consideration the saving from employing convict labor, the original amount sanctioned for the superintendent's house would not be exceeded even were a tower substituted for the outside staircase.

(ii) *Glazed Windows.*—So far as I can gather the original estimate did not provide for glazed windows. This, of course, was a serious oversight as glazed windows in a climate like Vellore are very necessary. The omission was remedied as soon as it was noticed. The ventilators and fanlights are necessary for ventilation, and they ought to have found place in the orginal estimate.

(iii) *Stone Steps.*—I all along told the Engineer that all steps as well as the curb of the verandah of the kitchen should be stone work in chunam. Brick steps are too soft. Where there is much traffic the wear and tear is great. The stone is now on the spot and the steps ready to be put down. I strongly recommend that the stone should be utilised.

(iv) *Flooring.*—From experience in the central jail at Vellore it has been found that flat paving brick do not answer; they crumble away, the flooring becomes uneven, and the whiteants work up through the joints. I have always deprecated the use of having bricks, and recommended concrete flooring plastered with cement. I am still of opinion that this description of flooring ought to be laid down in the house at Vellore.

(v) *Raising Height of the Entrance to the Stables and Coach-house.*—Seven feet clear ought always to be allowed at the eaves of the stables; this has now been done, the original estimate made the stables much too low. The doors of the coach-house ought to be sufficiently high to allow of a carriage being put into the coach-house. In the original estimates the doors were not high enough.

(vi) *Woodwork.*—As explained by Colonel Beatty, the rates originally sanctioned were too low. The bressummers supplied from the Coimbatore jail were straight, whereas for the front and back bows of the verandah they require to be curved, and I am given to understand that a good deal of waste was occasioned by making these curved bressummers.

(vii.) *Cupboards and Shelves.*—I assumed that these small details would be arranged for by the Engineer building the house; they were apparently omitted from the original estimate, but have now been supplied, also wooden blocks let into the walls to hold the hooks for fastening open the doors and windows.

(viii) *Demolition.*—I do not exactly know what this item consists of. In regard to the kitchen, it appears that through some misunderstanding the foundations were laid close to the back verandah opposite the dining-room. On reference being made to me, I at once ordered the kitchen to be built on the site originally selected. The kitchen was supplied with an enormous chimney, about 21 feet in height and 3 feet in diameter; it was a ponderous, ugly mass of masonry, and, in my opinion, quite unsuited for so small a building. I was, however, told that it was according to the "standard plan," and possibly it might have suited a factory or some building three times the size of the Vellore kitchen. The Executive Engineer admitted the unsuitable proportions of this gigantic chimney and was good enough to shave down some 10 feet, making it not quite so unsightly. These are, I believe, the principal demolitions alluded to.

3. In regard to Colonel Beatty's proposals to effect a saving, I beg to offer the following remarks:—

(i) *Balustrading to Verandahs.*—I much prefer the ordinary vase parapets, and I observe that Colonel Beatty calculates that Rs. 188 will be saved by adopting vase parapets in the upper verandah. It was, in my opinion, a great mistake putting up a fancy balustrading in the lower verandahs.

(ii) *Plastering.*—Colonel Beatty states that there will be a saving of Rs. 277 by providing ordinary plaster in and out, instead of fine plaster. I cannot approve of this suggestion, especially for the inside work. Such rough work would be most unsightly and would spoil the walls of the rooms; the saving is very inconsiderable, and I think it will be a thousand pities now to spoil the house by leaving the walls rough plastered.

(iii) *Wood-oiling for Doors and Windows.*—The saving on this head is estimated at Rs. 103. I would suggest that the painting or wood-oiling be left to the superintendent who can carry out the work with convict labor at a much less cost than the rates estimated by the Department of Public Works.

(iv) *Gates, Pillars and Culverts.*—I would omit the gates and pillars; these can be built afterwards by the superintendent, who will employ convict labor, the gates being made in the jail workshops. With regard to the culverts, these are necessary, but, I think, an 18-inch barrel culvert will be better than the one shown in the plan.

4. I was over the works a few days ago with Major McLeod and the Executive Engineer, and recently Colonel Beatty very obligingly met me at Vellore and I had an opportunity of inspecting the works with him. The works are well executed and the Jail Superintendent will have a very excellent house. I think it would now be a pity to starve the work for the small additional expenditure required to complete it. I would therefore suggest that the revised estimate be sanctioned and the work completed without delay. I may here mention that a large number of workmen have, with much trouble, been assembled at Vellore, and it would be inconvenient now to discharge them and to stop the work. If the work is pushed on and completed out of hand, Overseer Narrainsawmy Mudaliar (in immediate charge of the works) calculates

---

that there will still be a considerable saving in the estimates; but if the work is dawdled over, the savings from the estimate will probably be but small.

Enclosure.

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Inspector-General of Jails, dated Barur, 11th July 1884, No. 221 M.

Appendices A to E, 5.
The revised plans and estimates sent in a separate cover, 15.

I have the honor to forward, herewith, a revised estimate for the quarters of the Superintendent of the Central Jail, Vellore, now under construction on the estimate sanctioned in G.O., No. 279 W., of 25th January 1883.

2. In my letter to the Chief Engineer submitting the estimate I mentioned that you had already asked for certain alterations as follows:—

(1) That all doors and windows in the outer walls of the main building should be provided with two pairs of shutters; one glazed, the other venetianed.
(2) That fourteen windows should be converted into doors.
(3) That the measurement of the windows and doors should be taken to the inside of the frames with a view to better light and ventilation.
(4) That glazed swinging fanlights should be provided over doors and windows instead of glazed fanlights.
(5) That a larger porch should be provided in front of the building than had been allowed for in the sanctioned estimate.

3. I expected that these alterations, though considerable, would not affect the cost so far as to necessitate a revised estimate; because I anticipated that the additional expense for larger quantities of material (such as timber) would be met by the savings resulting from the use of convict labor and Anaimalai teak instead of Pegu teak.

4. But my anticipations have proved incorrect for the following reasons:—

(1) Not only was no skilled labor available in the Vellore jail but it was not found practicable to transfer such workmen from other jails, and so the only convict labor we had was unskilled.
(2) The convict labor available was all wanted for use at the new close prison before the upper-story of the superintendent's house was built, so that that portion of the works was built with all free labor, skilled and unskilled.
(3) Owing to the great demand for Anaimalai teak, now that the price of Pegu teak has risen, Mr. Grimes found it difficult, I understand, to get sound logs of large size, and there was a large amount of waste in using it. This, no doubt, contributed to the excess on wood-work.*
(4) Several minor alterations suggested themselves to yourself or to the Superintendent of the Jail while the work was in progress, some of them necessitating demolition and rebuilding.

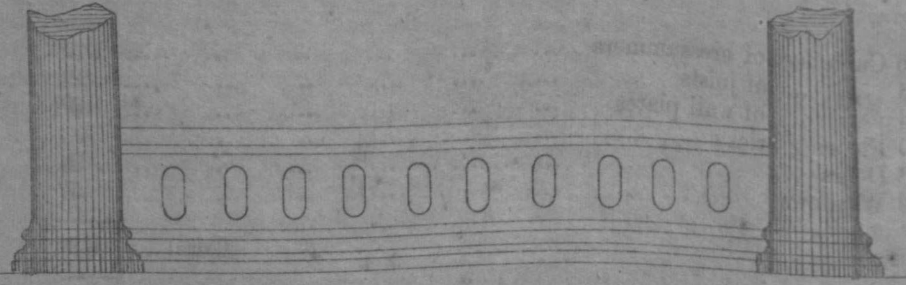
The principal of these were as follow:—

(*a*) Substitution of a spiral staircase for the use of the waterman and sweeper at the rear right hand corner of the main building, in place of a flight of stairs in brick work on the right side of the house, as in the Coimbatore house.
(*b*) Alteration of the wooden staircase leading to the upper-story, so as to provide a landing half way up, as in the staircase of the public offices, Stonehouse Hill, Ootacamund.
(*c*) Substituting pillars, &c., at the right front verandah of the house, both on the ground floor and upstairs, for the screen walls which the original estimate provided, similar to those in the Coimbatore house.
(*d*) Provision of cupboards in the walls of rooms.
(*e*) Cutstone everywhere substituted for brick-in-chunam steps.
(*f*) Cer[illegible]aster substituted in the flooring for large square bricks in chunam in the [illegible]lding and for concrete floor in the cook-house.
(*g*) Shelves on the walls of the pantry and store-rooms.
(*h*) Alterations [illegible] dimensions of the porch which now provides a width of 11′ 6″ for the passage [illegible] carriages.
(*i*) Omission of the partition walls between bath-rooms on the upper floor.
(*j*) Alteration of the position of the bath-room doors on the ground floor.
(*k*) Altering and enlarging the coach-house door.
(*l*) Altering the position of the cook-house after the foundations had been begun.

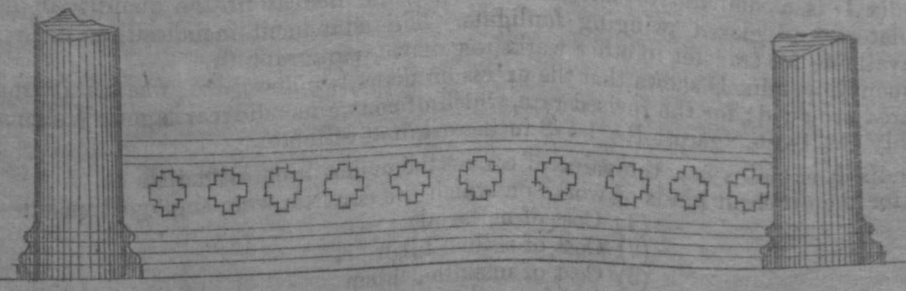
---

* But see paragraph 9.

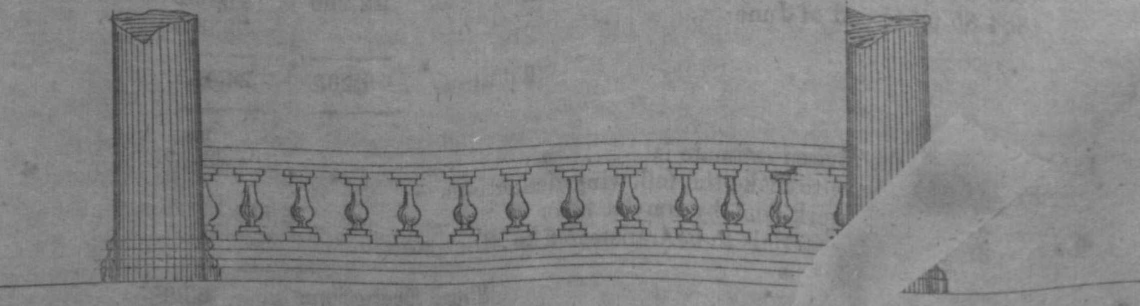
(*m*) Providing screen walls in rear of cook-house.
(*n*) Altering the dimensions and shape of the cook-house chimney.
(*o*) Shifting one door and one window in the cook-house.
(*p*) Altering the height of the coach-house by one foot additional.
(*q*) Shifting window from side wall of the dressing-room lower floor below straircase to left rear bath-room.
(*r*) Providing four glazed swinging ventilators in the walls of the centre rooms of the upper story.
(*s*) Altering the verandah parapets from



to



and up stairs to



(*t*) At your inspection at end of March you objected to the size of five doors in the inner walls of the upper-story. Two of these doors have been transferred to the close prison store-room, but the other three will have to be charged to Stock until an opportunity occurs for transferring them to some other new work.

5. The alterations (*a*), (*b*), (*c*), (*h*), (*i*), (*j*), (*k*), (*l*), (*n*), (*o*), (*q*), (*s*) have caused extra expense by demolitions of work which had been partly executed in accordance with the original design.

6. The alterations (*c*), (*f*), (*h*) and (*t*) have resulted in the following materials, which were prepared for the building in accordance with the sanctioned plan, not being required, and consequently having to be transferred to Stock until opportunities occur of using them up on other works:—

	RS.
36 Cubic feet of bressummers	135
23 „ „ of joists	86
44 „ „ of wall plates	165
9500 Flooring bricks	114
3 Doors	91
2 Windows	57
Total ...	648

The transfer of these materials to Stock requires the sanction of Government.

7. At your request provision has been made for two pairs of gates and gate-pillars, and for two culverts by the road side in front of the gates. These works have not been begun.

As you requested, *no* provision is made in the estimate for floorings of out-houses (stable, coach-house, harness-room, and servants' quarters) with the exception of the cook-house, which has been estimated for.

No provision has been made for steining, parapets, annular-pavements, or surface drains at the two wells in the compound of the superintendent's quarters. The cost would be about Rs. 250 for each well.

8. Appendix C is a condensed abstract of the comparative statement explaining in detail the various items of excess, &c.

9. Appendix D is a comparative statement showing the increase in the quantity of doors, windows, ventilators, and glazed swinging fanlights. This statement includes three doors and two windows available for transfer to other works (see above, paragraph 6).

The statement appendix D shows that the excess on doors, windows, &c., was mainly due to the increased area provided; for the revised rate, which of course includes carriage to Vellore and fitting up, is only Rs. 1-5-6, against Rs. 1-7-8 in the original estimate.

10. Appendix E explains how the value of convict labor has been estimated.

Our rates for the different kinds of works on which the convicts were employed include—

(1) Cost of materials.
(2) Cost of skilled labor.
(3) Cost of unskilled labor.

The balance of the rate, after providing for materials and skilled labor, has been credited to the Jail Department. The Executive Engineer has, in the remarks column of the statement appendix E, explained in detail how he arrived at his rates for convict labor in the case of rubble masonry and concrete. The other rates for convict labor were calculated similarly.

11. The allotments and expenditure up to date have been as follow:—

Years.	Allotment. RS.	Outlay. RS.
1882-83	7,000	6,820
1883-84	12,200	13,632
1884-85 up to end of June	...	3,998
Total ...	19,200	24,450

		RS.
12. The total of the revised estimate is		32,670
From this we have to make the following deductions:—		
1. Value of work done by convict labor	1,660	
2. Value of materials to be transferred to other works...	648	
Total Deductions ...		2,308
Balance ...		30,362
Expenditure to end of 1883-84		20,451
Allotment required for the present year		10,005

13. The work remaining to be done, according to the revised estimate, on 30th June, as shown in appendix A, is estimated at Rs. 6,007. I have authorised the Executive Engineer to complete the roofing of the main building, and to stop the work then until orders are received on the revised estimate. The stoppage is necessary because the expenditure will then have reached about the amount of the original sanction. According to the rules of this department all expenditure is based on sanctioned estimates and grants. No new work can be begun without a sanctioned estimate and a grant, but, unless there are special orders stopping it, a work once begun can be carried on to the amount of the sanctioned estimate. According to the Code* it is also the duty of the Executive Engineer to bring to notice the probability of any excess, more particularly a large excess as in this case, and solicit instructions. In this case notice should have been given in March last when Mr. Norris became aware of the excess on woodwork and that he had effected no savings to meet it. I would then have directed him to stop all work not provided for in the sanctioned estimate and to hasten the submission of the revised estimate, orders on which would doubtless have been passed before any stoppage was necessary.

* Paragraph 2306.

14. Mr. Norris's explanation is as follows :—

"I did not consider it necessary to make a report to you on the probability of the excess over the sanctioned estimate for the Superintendent's quarters, Central Jail, because of the fact of your having sanctioned the improvements which formed the chief items of excess,* and of your having allowed, in No. 483 N.A., dated 20th September 1883, the execution of improvements pending submission of a revised estimate after the lower floor of the building had been completed; I naturally assumed that all probability of some excess was quite evident to you. And, moreover, as already reported in my No. 79 S.E., dated 7th March 1884, I was not in a position to form a correct idea of the said excess for the reasons therein given. It may, however, be mentioned that there has been excess on works not sanctioned by you; but the amount of this excess is so small that it rendered a special report on it scarcely necessary; and these small works, I considered, might be provided for in the revised estimate."

* 1. Double doors.
2. New tower.
3. Cupboards and shelves.
4. Cutstone.

15. As you may wish to know in what way the cost of completing the buildings may be reduced, I have prepared appendix B.

Major McLeod approves of alteration No. 1, but objects to the others.

16. The only further remark I have to make is that the revised estimate provides for an increase of rates in one case only, viz., the roofing of out-houses. The description of roofing adopted, pantiles, without flat tiles under them, resting on bamboo reepers, placed close together, is one of which there had been no previous experience of late years, and the rate proved very insufficient. That description of roofing was provided in the original estimate at the suggestion of Lieutenant-Colonel Mead, as the cheapest.

It has cost about Rs. 10 per square, while flat and pan tiles on teak reepers would have cost about Rs. 14.

No. 1714, Judicial.

Approved and transferred to the Public Works Department for sanction.

(By Order.)

(Signed) M. HAMMICK,
Acting Under Secretary.

Ootacamund,
30th July 1884.

Order—dated 6th September 1884, No. 2208 W., Public Works.

In G.O., No. 279 W., dated 25th January 1883, an estimate, amounting to Rs. 26,080, was sanctioned for constructing a residence for the Superintendent of the Central Jail at Vellore. When submitting the estimate, the Superintending Engineer reported that he anticipated "large savings" by the employment of convict labor and the use of Anaimalai teak; the estimate rates being sufficiently liberal to admit of the construction of the building on contract, by free labor, and to allow of the use of the more expensive Pegu teak.

2. The Government are now asked to sanction a revised estimate amounting to Rs. 32,670, or Rs. 6,590 more than the original estimate, which was itself ample for the construction of a residence for an officer in the position of Superintendent of a

2208 / IV

Central Jail, and compares favorably with the cost of buildings to be provided for other civil officers, the maximum outlay on which has been restricted to the following amounts :—

	RS.
For a Collector	30,000
Do. Sub-Collector	20,000
Do. Head Assistant Collector	16,000

3. It is noted, moreover, that the State will recover nothing in the shape of rent for the building now under consideration. Looking to these circumstances, the Government cannot allow any expenditure not absolutely necessary in excess of the original sanction. It is to be regretted that the work has been allowed to progress so far that the only savings now possible are on a few unimportant items, and apparently amount to no more than Rs. 1,170, as detailed in appendix B of the Superintending Engineer's letter. These, and all other savings which may still be feasible, should be effected on the work remaining to be done; the total cost of which is stated to be Rs. 6,007, as detailed in appendix A.

4. The total amount of the excess over items of the original estimate comes to Rs. 6,820, against which savings to the extent of Rs. 230 are anticipated.

The principal excesses occur on the following items :—

	RS.
(*a*) Masonry, due to change of site and alterations of design	635
(*b*) Substitution of chunam for mud plastering to out-houses	285
(*c*) 46 additional pillars or columns	549
(*d*) Substitution of cutstone for brick-in-chunam steps	227
(*e*) Extra woodwork, due to alterations of design, and provision of additional conveniences asked for by the Jail authorities ..	3,308
(*f*) Painting and wood-oiling for increased area of woodwork ...	289

5. The explanation offered by the Executive Engineer, as to his reasons for omitting to bring to notice* the probability of large excesses over the original estimate, is most unsatisfactory. He should have taken timely measures to prevent the Government from being committed to any expenditure which had not been specifically authorised. Mr. Norris will be informed that the Government are seriously displeased with his remissness in this matter.

* Public Works Code, Section 2306.

6. It is observed that the value of convict labor is estimated at Rs. 1,660; and a recovery, amounting to Rs. 648, on account of the value of the materials to be transferred to other works is anticipated. Deducting from the amount (Rs. 32,670) of the revised estimate the sum of Rs. 1,170 disallowed in paragraph 3 of these proceedings, the estimate will stand at Rs. 31,500, to which sanction is now accorded.

7. This sanction has been registered as Provincial No. 137 W. of 1884-85, and classified as Civil Buildings, Original Works. It supersedes the sanction given in G.O., No. 279 W., dated 25th January 1883.

(True Extract.)

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

To the Superintending Engineer, IV Circle, with enclosures.
" Examiner, Public Works Accounts, with abstract estimate.
" Judicial Department.

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of 1884 Madras.

PUBLIC WORKS.

Dated September, 6th.

Recd. *Encl.*

G.O., 6th Sept. 1884, No. 2208 W.

SEPTEMBER.

Residence for the Superintendent, Central Jail, Vellore

Orders on revised estimate for—.

2208/5

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

No. 238.

READ—the following letter from Colonel J. BEATTY, R.E., Superintending Engineer, Fourth Circle, to the Chief Engineer, Public Works Department, dated Calicut, 18th January 1883, No. 25:—

I have the honor to submit, herewith, the plan and estimate for a residence for the Superintendent of the Central Jail at Vellore, called for in G.O., No. 2047, of 19th August 1881.

1 Plan.
2 Estimates.
1 Abstract.
1 Report.
1 Specification.

2. The plan has been prepared in communication with the Inspector-General of Jails, and has been countersigned by him in token of approval. But Colonel Tennant has desired that all door and window frames in the outer walls of the building may be furnished with two pairs of shutters, one pair fitted with glass and the other with venetians. He also proposes a somewhat larger porch in front of the house than the Executive Engineer had provided, some alterations of doors and windows which have been marked in red ink on the plan, and the substitution of glazed swinging ventilators for glazed fanlights. These alterations will not materially affect the cost.

3. The estimate has been prepared as for any building to be erected on contract by free labor, but it is intended to employ jail labor as far as practicable. The rate provided for wood-work and doors and windows is that which would have been required to get the work done of *Pegu teak* by contract, but I have arranged with the Inspector-General of Jails to get the whole of the wood-work prepared by convict labor of *Anaimalai teak* at the Coimbatore Jail. Large savings will thus be effected on all items except superintendence, but the probable amount of these savings cannot yet be calculated, as it is not known to what extent free skilled labor will be needed. It is understood that there are very few bricklayers, stone-cutters, and carpenters in the Vellore Jail.

4. If the plan be sanctioned, I shall be obliged by your authorizing me, by telegram, to commence operations, as a sum of Rs. 10,000 was entered for this work in the Convict Labor Fund Budget of 1882-83, which I presume is still available, and I calculate that 5,000 rupees can at once be spent on the purchase of timber.

No. 239.

ORDER—dated 25th January 1883, No. 279 W., Public Works.

The estimate, amounting to Rs. 26,080, for constructing a residence for the Superintendent of the Central Jail at Vellore, is sanctioned for execution when funds are available.

8

2. The work has not been provided for in the current year's Convict Labor Budget, nor in the budget for 1883-84.

3. This sanction has been registered as Provincial No. 212 W. of 1882-83 and classified as Civil Buildings, Original Works.

(True Extract.)

J. Pennycuick

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

To the Superintending Engineer, Fourth Circle, with five Enclosures.
" Examiner, Public Works Accounts, with Abstract Estimate.
" Inspector-General of Jails.
" Judicial Department.

Exd. C. Howarth.
6 Spare Copies

2208/6

6

Judicial (1883) Deptt
(Jails)

BUILDINGS AND ROADS.
CIVIL WORKS.

Gobt. of {1883} Madras.

PUBLIC WORKS.

7 A 2044/84

DISPOSED OF
10 FEB 83
BY G.O. No. 347 (Pub) 353
C

Dated January, 25th.

Recd. 30 *Encl.* 6 L C

G.O., 25th Jan. 1883, No. 279 W.

JANUARY.
Nos. 238-239.

Central Jail, Vellore.

An estimate for constructing a residence for the Superintendent of the —, sanctioned.

Order 10 Feb/83 No 347/Pub

Recorded.

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 2208/387

READ the following

From the Inspector General of Jails H.S. No. 223 of 12th July 1882.
Endorsement thereon by the Judicial Dept. " No. 1714 of 30th July 1882.

The revised estimate amounting to Rs 32,670, for constructing quarters for the Superintendent of the Central Jail at Vellore, is sanctioned.

2. The excess of Rs 6,590, over the original estimate of Rs 26,080 sanctioned in G.O. No. 279 W dated 25th January 1883, is explained in the Superintending Engineer's report.

The value of Convict labor is estimated at Rs 1660.

3. A sum of Rs 5,629 is

~~38~~ 4

is provided for the work in the statement printed with Proceedings of Govt No. 13.81 W dated 24th Jan 1884. The Superintending Engineer will apply for the balance of the estimate later in the year.

4. This sanction has been registered as Prov. No. W of 1884-85 and classified as Civil Buildings, Original Works.

Superseded

23.8.8

To

The Supg. Engr IV Circle
with 18 enclosures
" Ex and St P.W. Accts with
Genl abst. Estimate
" Judicial Department

S.A.W.

I have not seen this bill to-day, the 19th, & it was disposed of by [illegible] on the 8th. How did this occur? It is most unfortunate too as the matter is to some extent urgent.

CW
19.8

Explained
CW
19-8-84

32,670
1170
31,500

O. 14-8-84 R. 11-9-84

Public Works Department, 1884-85.

2208/24 B

Current No. 6436

Letter No. 1714

Dated the 30th July/84

From the Chief Secy to Govt

NOTE OF REMARKS.

1. The accompanying revised plans and estimate are for constructing the Quarters of the Superintendent, Central Jail at Vellore. The amount of the revised estimate is Rs. 32,670 — being Rs. 6,590 in excess of the original estimate, Rs. 26,080, sanctioned in G.O. No. 279 W. of the 25th Jan./83.

2. The explanations submitted by S.E. IV. and the Inspr. Genl. of Jails though full and open, can scarcely be termed satisfactory. S.E. IV. states in his letter No. $\frac{221}{m}$, para. 2 that when submitting the original estimate to W. he mentioned certain alterations asked for by the Inspr. Genl. of Jails relative

24

B

to the doors and windows of the building, and the porch — In the revised estimate under the item 'doors and windows' an excess of Rs. 1,787 occurs. Again, the porch had to be altered from the original and so contributed to the general excess.

3. The excess under brick-work is Rs. 635, and under woodwork, Rs. 1,103. In the case of the woodwork however, the original estimate provided for Annamalai teak which was found to be unsuitable for beams and so necessitated the purchase of Pegu teak at a higher rate. Excesses occur under other items, which a little foresight might have avoided

4. The Inspr. Genl. of Jails writes: — "The works are well executed and the Jail Superintendent will have a very excellent house. I think it would now be a pity to starve the work for the small additional expenditure required to complete it. I would therefore suggest that the revised estimate be sanctioned and the work completed without delay."

5. The estimate has not been countersigned by the Inspr. Genl. of Jails. It has however been approved and forwarded by him.

8th August/84
B.W.

2208/[illegible]9

To IV.

Revised Estimate for the Superintendent's quarters of the Central Jail, Vellore.

The original Estimate was Rs. 26,080 & was sanctd on 25th January, 1883. The revised Estimate now sent up amounts to Rs. 32,670.

This is a heavy excess, and may more especially be considered unsatisfactory by Govt as it is for an official residence for which rent is not paid, and is in great part due to alterations & deviations from the sanctd plans, which it was stated, when the original Estimate was sent up, would not "materially affect the cost".

Govt is now evidently committed to the excess expenditure mainly due to items already carried out, or which cannot now be omitted.

It may be stated, moreover, that from a recent ruling a Collector's residence should not cost more than Rs. 30,000.

Col: Tennant in concluding para of his letter urges desirableness of according early sanction to completion of building as per revised Estimate.

I regret there has been delay in this office in disposing of the project. This is due to the Budget section having recently been entirely & urgently occupied in the preparation of statements required urgently for Dr. Maclean's Manual.

Draft order conveying sanction without comment is submitted for your approval.

C.S.
19-8-84

C.A.W.

2208/2810

I concur in these remarks by D.W. — and it seems to me that those remarks should to some extent be embodied in draft G.O.

The amount of revised estimate — (32,670) — for a Jail Supdt.'s house. seems to me altogether extravagant. Does that sum include Convict labour? If not, what is the total, including that item?

Please look carefully through the estimates. I should like to see a statement of the various items which form the total excess of 6,600/-

The proposed additions have been approved by the Jud: Dept. — but looking to the circumstances, I think a further reference should be made before sanction is accorded.

21.8.84

0.19.8.84

6436

2208/28

Mr Smith

Please return to Madras, Dw's note &c which went to Ooty with C no 6436, relative to revised estimate for Supt's quarters Vellore Central Jail.

The file came back to Madras on Saturday evening without the notes in question, & Dw wishes to see them again

Cu
8/9/82

Saw

Herewith - Mr Roberts is absent today - I shall speak to him about this omission to-morrow.

EHS
9/9/82

To W

Cho 6436

2258/272 12

The estimate has been prepared as for free labor. i.e at full rates. The value of Convict labor is estimated at Rs 1660. and under G.O. 1052 W d/25' April 1884, the estimate should be reduced by this amount.

Appendix A shows work still to be done. A sum of Rs 6007 only remains to be spent.

The only savings that can now be effected are those shown in Appendix B. They amount to Rs 1170.

Appendix C shows the items on which excesses occur.

27 C.S.
21-8-84

2208/~~20~~13

Sir,

The estimates should be corrected with reference Para 6 of G.O. No. 2208 W

AB
20/9

Supd

Please order B. or T. to have the Estimate corrected, ~~[illegible]~~ so that its amount may agree with the order –

BP
26/9/84

28

B

Please have the estimates corrected accordingly

Cu

at [illegible]

In consultation with S. [illegible] The estimate has been duly enforced for the reduced amount

---

G.O. 6th Septr/84 No 2208 W

Placed with following file

18.9.84 — Copy

No 221/M

Supg. Engineer's Office IV Circle
Camp Karur 11th July 1884
Despd 17 — Do —

2208/17

From

The Superintending Engineer
IV Circle

To

The Inspector General of Jails
Ootacamund.

Sir,

Enclosures. 18.

Appendices A to E. = 5

The Revised Plans and Estimates, are sent in a separate Cover. — 13

× By Bandy

I have the honor to forward herewith a revised estimate for the Quarters of the Superintendent of the Central Jail Vellore now under construction on the estimate sanctioned in G. O. No 279 W of 25th January 1883.

2. In my letter to the Chief Engineer submitting the estimate I mentioned that you had already asked for certain alterations; as follow:-

(1) That all doors and windows in the outer walls of the main building should be provided with two pairs of shutters; one glazed, the other venetianed.

(2) That the windows should be converted into doors.

(3)

(3) That the measurement of the windows and doors should be taken to the inside of the frames with a view to better light and ventilation.

Should always be done [illegible]

(4) That glazed swinging fanlights should be provided over doors and windows instead of glazed fanlights.

(5) That a larger porch should be provided in front of the building than had been allowed for in the sanctioned estimate.

3. I expected that these alterations, though considerable, would not affect the cost so far as to necessitate a revised estimate; because I anticipated that the additional expense for larger quantities of material (such as timber) would be met by the savings resulting from the use of convict labor and Annamalai teak &c instead of Pegu teak.

4. But my anticipations have proved incorrect for the following reasons:-

(1) Not only was no skilled labor available in the Vellore jail but it was not found practicable to transfer such workmen from other jails, and so the only convict labor we had was unskilled.

P 2

2208/8/13

(2) The convict labor available was all wanted for use at the new Close Prison, before the upper story of the Superintendent's House was built; so that that portion of the works was built with all free labor, skilled and unskilled.

(3) Owing to the great demand for Annamalai teak now that the price of Pegu teak has risen, Mr Grimes found it difficult I understand to get sound logs of large size and there was a large amount of waste in using it. This no doubt contributed to the excess× on wood work.

× But see para 9

(4) Several minor alterations suggested themselves to yourself or to the Superintendent of the jail while the work was in progress, some of them necessitating demolition and rebuilding.

The principal of these were as follows:-

(a) Substitution of a spiral staircase for the use of the waterman and sweeper at the rear right hand corner of the main building,

in

in place of a flight of Stairs in brick work on the right side of the house, as in the Coimbatore House.

(b) Alteration of the wooden Stair Case leading to the upper Story, so as to provide a landing half way up; as in the Stair Case of the Public Offices Stone house hill, Ootacamund.

(c) Substituting pillars &ca at the right front verandah of the house both on the ground floor and upstairs, for the Screen walls which the original estimate provided similar to those in the Coimbatore House.

(d) Provision of Cupboards in the walls of rooms.

(e) Cut stone every where substitute for brick in Chunam steps.

(f) Cement plaster substituted in the flooring for large square bricks in Chunam; in the main building; and for Concrete floor in the Cook house.

(g) Shelves on the walls of the pantry and Store rooms.

(h) Alterations of the dimensions of

of the porch which now provides a width of 11'–6" for the passage of Carriages.

(i) Omission of the partition walls between bath-rooms on the upper floor.

2208/A 16

(j) Alteration of the position of the bath room doors on the ground floor.

(k) Altering and enlarging the Coach house door.

(l) Altering the position of the Cook house after the foundations had been begun.

(m) Providing Screen walls in rear of Cook house;

(n) Altering the dimensions and shape of the Cook house Chimney;

(o) Shifting one door and one window in the cook house

(K) Altering the height of the Coach house by one foot additional.

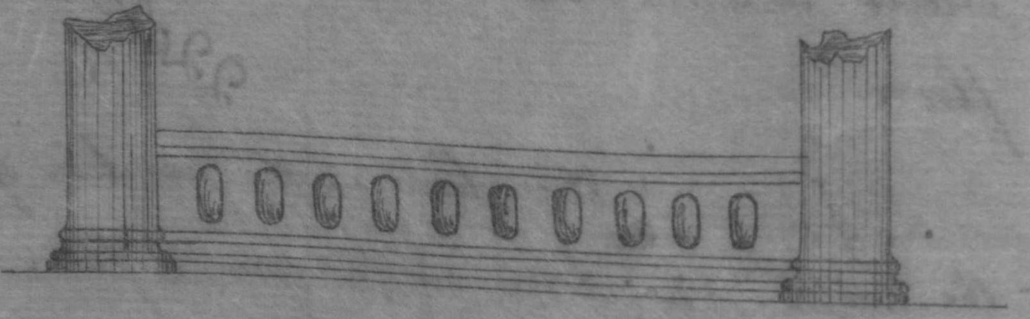
(q) Shifting window from side wall of dressing room lower floor below Stair Case to left rear bath room.

(r) Providing four glazed swinging

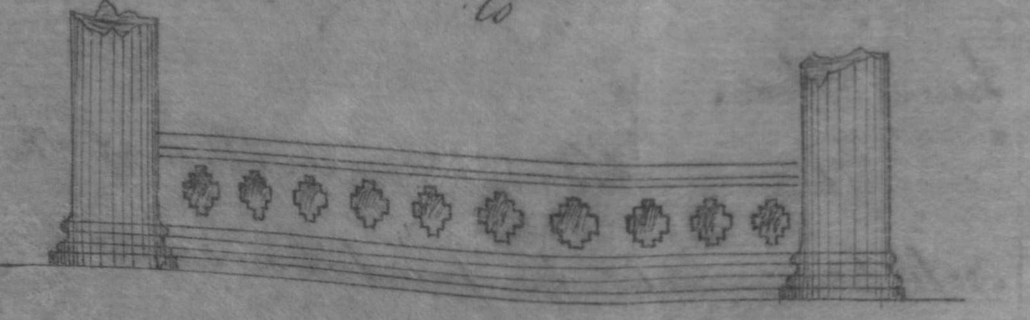
A

ventilators in the walls of the centre rooms of the upper story.

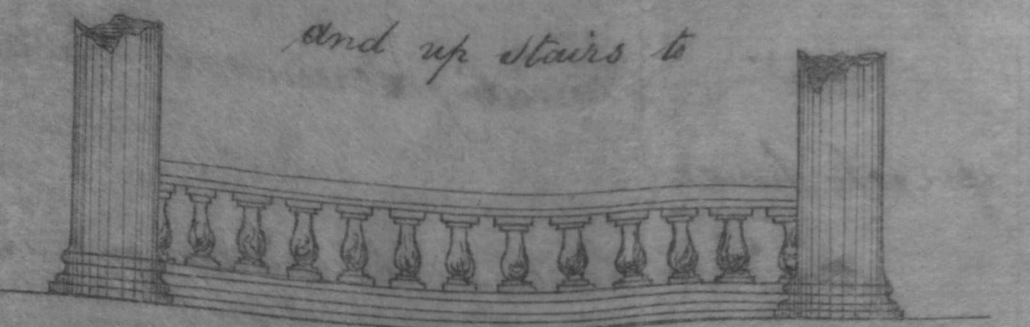
(s) Altering the verandah parapets from



to



and up stairs to



(t) At your inspection at end of March you objected to the size of five doors in the inner walls of the upper Story. Two of these doors have been transferred to the Close Prison Store room, but the other three will have to be charged to Stock until an opportunity occurs for transferring them to some other new work.

5 The alterations (a) (b), (c), (h), (i), (j), (k), (l), (n), (o), (q), (s) have caused extra expense by demolitions of work which had been partly executed in accordance with the original design.

2208/KD 17

6. The alterations (c), (f), (h) and (t) have resulted in the following materials which were prepared for the building in accordance with the sanctioned plan not being required, and consequently having to be transferred to stock until opportunities occur of using them up on other works:–

36 Cft of Bressummers	Rs	135
23 Cft of Joists	"	86
44 Cft of Wall plates	"	165
9500 Flooring Bricks	"	114
3. Doors	"	91
2. Windows	"	57
Total Rupees		648.

The transfer of these materials to Stock requires the sanction of Government.

7. At your request provision has been made for two pairs of gates and gate-pillars,

KD

and

and for two Culverts by the road side in front of the gates. These works have not been begun.

As you requested, no provision is made in the estimate for floorings of outhouses (Stable, Coach-house, harness room, and Servants quarters); with the exception of the Cookhouse, which has been estimated for.

No provision has been made for steining, parapets, annular-pavements, or surface drains at the two wells in the compound of the Superintendent's Quarters. The Cost would about 250 Rupees for each well.

8. Appendix C. is a Condensed Abstract of the Comparative Statement explaining in detail the various items of excess &ca.

9. Appendix D is a Comparative Statement showing the increase in the quantity of doors, windows, ventilators, and glazed swinging fanlights. This Statement includes 3 doors and 2 windows available for transfer to other works; See above para 6.

2208/#18P5

The Statement Appendix D shows that the excess on doors, windows &ca was mainly due to the increased area provided; for the revised rate, which of Course includes Carriage to Vellore and fitting up, is only Rs 1-5-6 against Rs 1-7-8 in the original estimate.

10. Appendix E explains how the value of Convict labor has been estimated.

Our rates for the different kinds of work on which the convicts were so employed include

(1) Cost of Materials,

(2) Cost of Skilled labor

(3) Cost of unskilled labor

The balance of the rate, after providing for materials and skilled labor, has been credited to the Jail Department. The Executive Engineer has in the remarks column of the Statement Appendix E explained in detail how he arrived at his rates for Convict labor in the Case of rubble masonry and Concrete. The other rates for Convict

labor

labor were calculated similarly.

11. The allotments and expenditure up to date have been as follow:—

Years.	Allotment.	Outlay.
1882-83	7,000	6,820
1883-84	12,200	13,632
1884-85 up to end of June		3,998.
	19,200	24,450

20,452

12. The total of the Revised estimate is —— Rs 32,670

From this we have to make the following deductions:—

1. Value of work done by convict labor	1,660
2. Value of materials to be transferred to other works	648.
Total deductions	2,308.
Balance Rs	30,362.
Expenditure to end of 1883-84 Rs.	20,451
Allotment required for the present year —— Rs	10,005.

30

34,456

13 The work remaining to be done, according to the revised estimate on 30th June, as shown in Appendix A, is estimated at Rs 6007. I have authorized the Executive Engineer to complete the roofing of the main building, and to stop the work then until orders are received on the revised estimate. The stoppage is necessary because the expenditure will then have reached about the amount of the original sanction. According to the rules of this Department all expenditure is based on sanctioned estimates and grants. No new work can be begun without a sanctioned estimate and a grant but, unless there are special orders stopping it a work once begun can be carried on to the amount of the sanctioned estimate. According to the Code[×] it is also the duty of the Executive Engineer to bring to notice the probability of any excess, more particularly a large excess as in this case and solicit instructions. In this case notice should have been given in March last when Mr. Norris became

[×] para 2306

tain

aware of the excess on wood work and that he had effected no savings to meet it. I would then have directed him to stop all work not provided for in the sanctioned estimate and to hasten the submission of the revised estimate, orders on which would doubtless have been passed before any stoppage was necessary.

14. Mr. Norris's explanation is as follows- "I did not consider it necessary to make a report to you on the probability of the excess over the sanctioned estimate, for the Superintendent's Quarters, Central Jail, because of the fact of your having sanctioned the improvements which formed the chief item of excess*, and of your having allowed in No. 483/P.A. dated 20th September 1883, the execution of improvements pending submission of a revised estimate, after the Lower Floor of the building had been completed; I naturally assumed that all probability of some excess was quite evident to you- And, moreover, as already reported in my No. 79/S.E. dated 7th March 1884

1884 I was not in a position to form a correct idea of the said excess, for the reasons therein given. It may however, be mentioned that there has been excess on works not sanctioned by you; but the amount of this excess is so small that it rendered a special report on it scarcely necessary; and these small works, I considered might be provided for in the revised estimate."

* 1. Double doors
2. New tower
3. Cupboards & shelves.
4. Cutstone-

15. As you may wish to know in what way the cost of completing the buildings may be reduced, I have prepared Appendix B.

Major Macleod approves of alteration No. 1., but objects to the others.

16. The only further remark I have to make is that the revised estimate provides for an increase of rates in one case only viz:, the roofing of outhouses. The description of roofing adopted, pantiles without flat tiles under them, resting on bamboo reepers, placed close together, is one of which there had been no previous experience of late years, and the rate proved very insufficient. That description of roofing

was provided in the original estimate at the suggestion of Lt. Col. Mead as the cheapest.

It has cost about Rs 10 per Square, while flat and pan tiles on teak reepers would have cost about Rs 14.

I have the honor to be,
Sir,
Your most obedt. Servt.

E. Beatty Col: R.E.
Superintending Engineer
4th Circle

H

DJ No 3535

From

The Superintendg. Engineer
IV Circle

Dated 11th } July 1884
Despd. }

No.

Enclosures. 18

Forwarding Revised Estimate for the Quarters of the Superintendent of Central Jail Vellore-

---

P 9

No. 223. Ootacamund, 21st July 1884.

2208. / J.D.

From

Colonel T. E. Tennant.
Inspector General of Jails.

To

The Hon'ble E. F. Webster
Chief Secretary to Government
Ootacamund.

Sir,

Enclosures 18
in separate cover
No. 221 dated
11th July 1884

I have the honor to forward the accompanying letter from the Superintending Engineer of the 4th Circle with 18 enclosures regarding the quarters of the Superintendent of the Central Jail at Vellore now under construction.

2. Colonel Beatty's letter fully explains the grounds for submitting a revised estimate, so it is not necessary for me to go through each item. But as I

I am about to vacate office it may be convenient if I offer a few observations on some of the causes for the increased estimates -

(i) Tower. It was originally proposed to construct a massive, ugly and awkward outside stair-case for the use of the sweeper and menial servants going to the upper story. I at once took objection to this - arrangement as it would not only be unsightly but would obstruct ventilation and light, necessitating the closing up of one side of the verandah. In lieu of this cumbersome masonry outside stair-case I proposed a tower containing a spiral stair-case. It was then calculated, that taking into consideration

the saving from employing convict labor

labor

labor, the original amount sanctioned for the Superintendents house would not be exceeded even were a tower substituted for the outside stair-case.

(ii) Glazed Windows. So far as I can gather the original estimate did not provide for glazed windows. This of course was a serious oversight as glazed windows in a climate like Vellore are very necessary. The omission was remedied as soon as it was noticed. The ventilators and fan-lights are necessary for ventilation and they ought to have found place in the original estimate.

(iii) Stone steps. I all along told the Engineer that all steps as well as the curb of the verandah of the Kitchen should be stone work in chunam.

16 Brick

Brick steps are too soft. Where there is much traffic the wear and tear is great. The stone is now on the spot and the steps ready to be put down; I strongly recommend that the stone should be utilized.

(iv) Flooring. From experience in the Central Jail at Vellore it has been found that flat paving bricks do not answer, they crumble away, the flooring becomes un-even, and the white-ants work up through the joints. I have always deprecated the use of paving bricks and recommended concrete flooring plastered with cement. I am still of opinion that this description of flooring ought

2208/A 24

ought to be laid down in the house at Vellore.

(V). Raising height of the entrance to the stables and Coach house. Seven feet clear ought always to be allowed at the eaves of the stables, this has now been done, the original estimate made the stables much too low. The doors of the Coach house ought to be sufficiently high to allow of a carriage being put into the coach house. In the original Estimates the doors were not high enough.

(VI) Woodwork. As explained by Colonel Beatty the rates originally sanctioned were too low. The bressummers supplied from the Coimbatore Jail were straight whereas for the front and back bows of the verandah they require to be curved and I am given to understand that

a

a good deal of waste was occasioned by making these curved bressummers.

(vii) Cupboards and shelves. I assumed that these small details would be arranged for by the Engineer building the house, they were apparently omitted from the original estimate, but have now been supplied; also wooden blocks let into the walls to hold the hooks for fastening open the doors and windows.

(viii) Demolition I do not exactly know what this item consists of. In regard to the Kitchen it appears that through some misunderstanding the foundations were laid close to the back Verandah opposite the dining room. On reference

being

being made to me I at once ordered the Kitchen to be built on the site originally selected. The Kitchen was supplied with an enormous chimney about 21 feet in height and 3 feet in diameter, it was a ponderous, ugly mass of masonry and in my opinion quite unsuited for so small a building. I was, however, told that it was according to the "standard plan" and possibly it might have suited a factory or some building three times the size of the Vellore Kitchen. The Executive Engineer admitted the unsuitable proportions of this gigantic chimney and was good enough to shave down some 10 feet making it not quite so unsightly. These are I believe the principal

18 demolitions

demolitions alluded to.

3. In regard to Colonel Beatty's proposals to effect a saving I beg to offer the following remarks:—

(i) Ballustrading to Verandahs. I much prefer the ordinary vase parapets and I observe that Colonel Beatty calculates that Rupees 188 will be saved by adopting vase parapets in the upper verandah. It was in my opinion a great mistake putting up a fancy ballustrading in the lower verandahs.

(ii) Plastering. Colonel Beatty states that there will be a saving of Rupees 277 by providing ordinary plaster in and out, instead

of

2208/1926 P 13

of fine plaster. I cannot approve of this suggestion especially for the inside work. Such rough work would be most unsightly and would spoil the walls of the rooms, the saving is very inconsiderable and I think it will be a thousand pities now to spoil the house by leaving the walls rough plastered.

(iii) Wood oiling for doors and windows. The saving on this head is estimated at Rupees 103. I would suggest that the painting or wood-oiling be left to the Superintendent who can carry out the work with convict labor at a much less cost than the rates estimated by the Department of Public Works.

(iv) Gates, Pillars and Culverts. I would

omit

omit the gates and pillars; these can be built afterwards by the Superintendent who will employ convict labor. The gates being made in the Jail workshops. With regard to the culverts these are necessary but, I think, an 18 inch barrel culvert will be better than the one shown in the plan.

4. I was over the works a few days ago with Major McLeod and the Executive Engineer and recently Colonel Beatty very obligingly met me at Vellore and I had an opportunity of inspecting the works with him. The works are well executed and the Jail Superintendent will have a very excellent house. I think it would now

be

undoubtedl
! at cost of
32,670/

be a pity to starve the work for the small additional expenditure required to complete it. I would therefore suggest that the revised estimate be sanctioned and the work completed without delay. I may here mention that a large number of workmen have, with much trouble, been assembled at Vellore and it would be inconvenient now to discharge them and to stop the work. If the work is pushed on and completed out of hand Overseer Narrainsawmy Mudeliar (in immediate charge of the works) calculates that there will still be a considerable saving in the estimates but if the work is dawdled over, the savings from the estimate will probably be but small.

I have the honour to be,
Sir,
Your most obedient Servant,

T. E. Tennant.
Inspector General of Jails

Pd Jail
6637/

2208
28

28

Mo. 347 10-2-83
Mo. [illegible] 28-1-83

CURRENT No. 2848

Judicial

T.W.C. 6436

Jail (1884) Department.

From
THE INSPR.-GENERAL OF JAILS,
To
THE CHIEF SECRETARY TO GOVT.,
Ootacamund.

Dated 21st } July 1884.
Received 22nd }

Ent 27/7/84

No. 2208 W a/ 6-9-84

No. 223.

18 ENCLOSURES

Subject.

Forwarding with remarks letter from the Superintending Engineer, 4th Circle enclos. revised estimates for the Superintendent's quarters of the Central Jail, Vellore

Endt 1714, Ootacamund D. 30th July/84

HON'BLE MEMBER

8/15

Approved and transferred to the Public Works Dept for sanction
(By order)

Ag: Under Secretary

24/vii

To the P. W. Dept.

P.W.S. ~~14/7/84~~
P.W.S. 13/8
28/7

24/7/84 ~~returned~~ 19.8.84.

No. 2208 W

B & R
Rvo. Bls,

A

Public Works Department,

2208/W 29

Proceedings of the Madras Government,

Under date the 6th September /84,

Read the following:—

Letter from the Supdg: Engr. IV Circle } (H.E. No. 221/M dated July 11th 1884

Do - from the Inspector General of Jails (" " 223 dated " 21st ")

Endorsement thereon in the Judicial dept. (" " 1714 dated " 30th ")

This is outrageous. The Superintendent's house at Coimbatore was built I think within a cost of Rs 15000.

In G.O. No. 279 W dated 25th January 1883, an estimate amounting to Rs 26,080/- was sanctioned for constructing a residence for the Superintendent of the Central Jail at Vellore. When submitting the estimate, the

W 3/9

22

the Supt. Engr. reported that he anticipated "large savings" by the employment of convict labour, and the use of Anaimalai teak; the estimate rates being sufficiently liberal to admit of the construction of the building on contract, by free labour, and to allow of the use of the more expensive Pegu teak.

2 The Government are now asked to sanction a revised estimate amounting to Rs 32,670/-, or Rs 6590/- more than the original estimate, which was itself ample for the construction of a residence for an officer in the position of Superintendent of a Central Jail, and compares

compares favourably with the cost of buildings to be provided for other civil officers, the maximum outlay on which has been restricted to the following amounts:—

For a Collector — Rs 30,000
" " Sub Collector — " 20,000
" " Head Assistant Collector } " 16,000

3 It is noted, moreover, that the State will recover nothing in the shape of rent for the building now under consideration. Looking to these circumstances, the Government cannot allow any expenditure not absolutely necessary in excess of the original sanction. It is to be regretted that the work

JB has

has been allowed to progress so far that the only savings now possible are on a few unimportant items, and apparently amount to no more than Rs 1,170, as detailed in appendix B of the Supt'g Engineers letter— These, and all other savings which may still be feasible, should be effected on the work remaining ~~still~~ to be done; the total cost of which is stated to be Rs 6,007/-, as detailed in appendix A.

4— The total amount of the Excess over items of the original estimate comes to Rs 6820/-; against which, Savings to the Extent of Rs 230/- are anticipated.

818

2208/31

The principal excesses occur on the following items:—

		Rs
(a)	Masonry due to change of site and alterations of design	635
(b)	Substitution of chunam for mud plastering to outhouses	285
(c)	46 additional pillars or columns	549
(d)	Substitution of cut stone for brick in chunam steps	227
(e)	Extra woodwork due to alterations of design, and provision of additional conveniences asked for by the Jail authorities.	3,308
(f)	Painting and wood-oiling for increased area of woodwork	289

5— The Explanation offered by the Executive Engineer as to his reasons for omitting to bring to notice* the probability of large Excesses over the original estimate is most unsatisfactory. He should have

* P.W. Code: Section 2306.

31

have taken timely measures to prevent the Government from being committed to any Expenditure which had not been specifically authorised. Mr. Norris will be informed that the Govt. are seriously displeased with his remissness in this matter.

6. It is observed that the value of convict labour is estimated at Rs 1,660/-; and a recovery amounting to Rs 648/-, on account of the value of the materials to be transferred to other works, is anticipated. — Deducting from the amount (Rs 32,670) of the revised estimate, the sum of Rs 1170 disallowed in para 3 of these Proceedings, the estimate will stand at Rs 31,500/-, to which sanction is now accorded.

The

8 19

7. This sanction has been registered as Provincial No. 737W of 1884-85, and classified as Civil Buildings, Original Works. It supersedes the sanction given in G.O. 279 W. dated 25th January 1883.

2208/3V

WS
26.8.84

S.E. IV Circle with 18 encls:
Examiner P.W. Accts, with abstract &c
Judicial dept.

8o 26/9/84

(To
~~The Chief Secretary for~~
~~favor of counter initials.~~)

3V

Ex. Ed.

~~Don: H. E. Sullivan~~
~~Dilig: C. G. Master~~

3 SEP 84

1 – 8314

P.Y.S. 137/8. Cir 29/8.

2208/33

33

6436

Govt. of (1884) Madras.

PUBLIC WORKS.

(337)

Dated 9/4/84

Recd. Encl. 1

G.O. 1 Feb 1884, No. 2 300

Residence for the
Supdt, Central Jail
Vellore.

Estimate revised
Est. for —

50 60/5
5