(1) Number of pages 96

(2) Date of repair Jan. 88

(3) Initials of the Referencer Lava

TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

P.W.D. DEPARTMENT

G.O. No. 1475 W.	Press.
B.P. No.	Mis.
Dated 11.6.1886	198 .

Not to be folded or roughly handled.

Archives —1 10,006-9 80

1475/1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers :—

From Major S. C. CLARKE, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Berhampore, 26th April 1886, No. 28 V.Z.

I have the honor to submit the accompanying revised estimate, with a comparative statement defining the cause of the deviations and altered rates, and to request that the early sanction of Government may be obtained thereto.

	Rs.
For constructing a residence for the Assistant Superintendent of Police at Jeypore, Estimate ..	15,350
Original estimate	14,250

From Colonel T. K. GUTHRIE, Inspector-General of Police, to the Chief Secretary to Government, dated Ootacamund, 27th May 1886, No. 2662.

With reference to your endorsement, No. 839 C., of the 22nd instant (herewith returned), I have the honor to return, countersigned, the revised estimate for Rs. 15,350 for the construction of a residence for the Assistant Superintendent of Police at Jeypore.

No. 910 C., Judicial.

Transferred, with referred papers, to the Public Works Department.

(By Order.)

(Signed) A. G. CARDEW,
Ag. Assistant Secretary.

7th June 1886.

ORDER—dated 11th June 1886, No. 1475 W., Public Works.

The second revised estimate, amounting to Rs. 15,350, for constructing a residence for the Assistant Superintendent of Police at Jeypore, is sanctioned in supersession of the estimate, amounting to Rs. 14,250, sanctioned in G.O., No. 842 W., dated 6th April 1886.

2. The necessity for the submission of a second revised estimate is far from satisfactory. The necessity appears to have arisen from insufficient provision in the previous estimate, as to which fuller explanation should have been given.

3. This sanction has been registered as Provincial, No. 44 W. of 1886-87, and classified as Civil Buildings, Original Works.

(True Extract.)

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

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

Exd. E. Fernandez.

Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated June, 11*th*.

Read. *Encl.*

G.O., 11th June 1886, No. 1475 W.

JUNE.

Police Assistant Superintendent's Residence at Jeypore

The second revised estimate of Rs. 15,350 for constructing the — sanctioned with remarks.

1475/86

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

READ—the following papers:—

G.O., dated 20th July 1885, No. 1885, Judicial.

From Lieutenant-Colonel P. MONTGOMERIE, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 24th September 1885, No. 130 V.Z.

With reference to memorandum, No. 1351 C., dated 8th August 1885, I have the honor to submit a report* from the Executive Engineer, Vizagapatam division, explaining fully the cause of the slow progress on the house of the Assistant Superintendent of Police at Jeypore, from which you will observe that the statement made by Colonel Cloete, "that the walls have been pulled down once, owing to bad work," does not express the exact state of the case.

* No. 813, dated 30th August 1885.

2. I quite approve of Mr. Turner's proposal to locate an Assistant Engineer at Koraput. This arrangement will be very necessary when all the proposed works referred to by Mr. Turner are sanctioned and funds allotted; but at present there is hardly sufficient work for an Assistant Engineer. The Assistant Engineer, when appointed, should, I think, be a member of the permanent public works establishment, and not a temporary hand.

3. As regards Overseer Marrow, this subordinate has been granted three months' leave on medical certificate furnished to him both by the medical officer at Koraput and by the regimental surgeon at Vizianagrum, and which were duly submitted through the Executive Engineer himself. The overseer, however, will be called upon to explain why he left the division without reporting himself to his Executive Engineer.

ENCLOSURE.

From T. D. HARRIS, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Waltair, 30th August 1885, No. 813.

Referring to your endorsement, No. 95 V.Z., dated 16th instant, on G.O., No. 1351 C., dated 8th August 1885, calling on me to submit a full and early report on the points noticed in the proceedings of Madras Government, Judicial Department, No. 1885, dated 20th July 1885, which affect this department, I have the honor to report as follows.

2. The estimate for constructing a bungalow for the Assistant Superintendent of Police at Jeypore was sanctioned in G.O., No. 1260 W., dated 17th May 1882, and the work was ordered, in G.O., No. 1711 W., dated 7th July 1882, to be carried out by the agency of the Public Works Department, either by temporary establishment engaged for the purpose or by a contractor. It was proposed to undertake the work departmentally as no contractor could be got who would take it up on contract, and the entertainment of the temporary establishment to supervise it was sanctioned in G.O., No. 3096 W., dated 23rd November 1882, which was received in this office only on the 18th December 1882. Thus, the work was not put in hand till the beginning of January 1883.

3. In 1882-83 much could not be done as the work was only commenced in January 1883, and as the overseer (Mr. Marrow) who was posted for charge of it had to struggle against many difficulties; he could not speak the language of the district and could not get sufficient labor,

the work being 70 miles away from any cart-road, and was continually sick. During the year the foundations of the out-houses only had been dug and certain materials collected.

4. In 1883-84 scarcely anything could be done until September 1883, rain being almost incessant at Jeypore, and all work was at a stand-still owing to the difficulty of communication; but fair progress was made during the latter part of the year. The superstructure walls, brick-in-mud, were all raised to full height and a large quantity of sal-wood collected, but owing to the difficulty in obtaining timber the roofing was delayed, and in the meantime monsoon set in and continued steadily till the month of July 1884. Owing to the enormous rainfall on the 8th to 11th and 29th July 1884 (9 inches in one day and altogether 23 inches during these five days) the front wall was shaken and the strong wind blowing from the west swayed the surface of the south wall of the building owing to the soft mud engendered by the heavy rainfall and constant beat on surface.

5. The brickwork of the building was most carefully done, and there was not the slightest settlement in the foundations or basement. The walls were all carefully thatched and a foot of lime mortar put on all round under thatch; but the constant beat of rain with heavy wind penetrated the south-west face of the building and it was seriously shaken, so much so that it was necessary to dismantle the damaged walls down to the level of the basement and rebuild them with brick in lime mortar. Thus, it will be seen that it is not owing to *bad work* that the walls had to be pulled down, as stated by Colonel Cloete in paragraph 5 of his inspection report. But for this accident, the building ought to have been completed long ago.

6. No mud-work would hold the roof on such an elevated base and so exposed. In any case mud-buildings are unsuited to the locality of Jeypore and they are utterly out of question in the hill tracts on sanitary and all other grounds. All buildings to be executed by this department should be pucka ones, however costly.

7. It is under great many difficulties that this work was and is being carried out, and the delay in its completion is owing to the dreadful scourge, fever, which prostrates the supervising staff as well as the work-people, and the difficulty of procuring timber, lime, and everything required. Lime has to be conveyed by coolies for a good distance, and there is no cart-road from the place where timber is procurable to within a mile or so of Jeypore. There is also a great difficulty in obtaining artificers and in persuading them to remain on the work. I may say, for your information, that, in March 1883, I sent a few bricklayers from Vizianagrum to be employed on this work and advanced them Rs. 105 to enable them to properly equip themselves before they went. These men proceeded to Jeypore, stopped there only a few days, and left the place on account of fever prevalent there. Out of the sum of Rs. 105 advanced them, only a sum of Rs. 27 was recovered, and the balance had to be written off to the debit of the work under your orders, the same being irrecoverable. You will probably be surprised to hear that in November 1884, *i.e.*, nearly a year and-a-half after leaving Jeypore, some of them were found suffering from fever contracted at Jeypore. I may also state that I learned, on my way to Koraput, when inspecting the works in 1884, that, out of 22 artificers brought from the plains by the Special Assistant Agent for work at Koraput, 7 died within a month and the rest ran away with the advances.

8. Such are the difficulties under which the Police Assistant Superintendent's bungalow at Jeypore is being gone on with, and the Inspector-General of Police appears to have got little or no idea of these hill tracts and the difficulties under which we are laboring. It is not likely that works in the hill tracts can be proceeded with as rapidly as in the plains.

9. I am not aware of the dates of commencement of the travellers' bungalow at Koraput, sub-magistrate's cutcherry at Jeypore, and other buildings referred to in Colonel Cloete's report; but I have called on the sub-divisional officer for the necessary information and will submit the same to you as soon as received. The travellers' bungalow at Potinghi, referred to by Colonel Cloete, is being built by this department, but it was commenced long before the Jeypore Police Assistant Superintendent's bungalow was taken on hand.

10. The present state of the building is as follows:—

Main building.—Superstructure walls, brick-in-mortar, built up. Wood-work to roof in active preparation and a greater portion for the building is ready, but cannot put up the same owing to incessant rain and want of cooly labor.

Out-houses.—A portion of flooring completed and the rest delayed as coolies are not procurable on account of heavy rain experienced.

Office.—Nothing more to be done to this building with the exception of whitewash. Doors and windows have all been fixed.

I am not, however, satisfied with the progress made by Overseer Mr. Marrow on this work since the walls (mud) were ordered to be dismantled and rebuilt with brick-in-chunam. I have warned him and threatened him several times, but all my warnings have been of little avail. He appears to have of late been sick, and has now gone on three months' leave, in fact he ran away without any leave.

11. As regards the proposal put forward by the Governor's Agent to make Koraput an Assistant Engineer's charge, I have to inform you that I am entirely in favor of the proposal

inasmuch as the construction of the continuation line from Potinghi to Koraput is under contemplation. Further, the continuation line to the Central Provinces has to be surveyed and estimated for, and the services of an engineer would be necessary to mark out the line and give the necessary instructions to surveyors, &c. All this he can easily manage to do with head-quarters at Koraput, and can conveniently look after the Potinghi ghât road, and all other works in the hill tracts. Besides, there are several buildings in contemplation of being built at Jeypore and Koraput; some of them are detailed below, viz.:—

1. An office for the Superintendent of Police, Koraput.
2. Police station at Koraput.
3. Improvements to police hospital and police inspector's bungalow at Koraput.
4. Improvements to the sub-magistrate's cutcherry at Koraput.
5. Certain buildings at Jeypore proposed to be built by the Maha Raja.

It is quite impossible for the Executive Engineer at Waltair to look after works in Jeypore and Koraput (150 miles away) and it is only with efficient supervision that better results can be expected.

12. As already reported, Overseer Mr. Marrow having left the district without permission, his explanation as regards his failure in attending to his duties, called for by you, cannot be submitted until his return from leave.

From T. D. HARRIS, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Yellamanchili, 27th September 1885, No. 936.

Referring to paragraph 12 of this office letter, No. 813, dated 30th August 1885, I have the honor to submit, herewith, Overseer Mr. Marrow's explanation (in original) regarding the delay in the completion of the Police Assistant Superintendent's bungalow at Jeypore.

ENCLOSURE.

From Mr. C. H. MARROW, Overseer, Public Works Department, to the Executive Engineer, Vizagapatam division, dated Madras, 11th September 1885.

With reference to your No. 781 (received this morning), forwarding an extract from inspection report of Superintendent of Police and calling for any explanation that I may have to give in reference thereto, I beg to state—

(1) That the delay in the completion of the Assistant Superintendent's quarters was unavoidable, owing to the difficulty of procuring labor. This difficulty was often brought to the notice of the sub-divisional officer, who likewise was unable to procure me the needful assistance. It will not be out of place, in connection with this subject, to mention that, at my request, the Assistant Superintendent (Mr. Travers) also moved the dewan to help me in the matter, but without success.

(2) The superstructure of the building, I may say, was completed and a greater portion of the woodwork, together with rafters, tiles, &c., at site, but owing to the heavy rains and the cause mentioned above, the work has, from no fault of mine, been unnecessarily delayed. The out-houses and office, with the exception of white-washing, were both completed. The sub-divisional officer, who was written to for carpenters, offered a man Rs. 45 per mensem to go up to Jeypore, but he refused.

(3) The sub-magistrate's cutcherry at Jeypore was begun in or about December 1882 by the Agency overseer, Mr. Lears, and is *not* completed, and will not be for some time. The travellers' bungalow was begun before November 1882, previous to my appointment to the district, and is *not* completed as yet.

Endorsement on the above.

No. 143 V. Z.

Copy submitted to the Chief Engineer, Public Works Department, in continuation of this office No. 130 V.Z., dated 21st September 1885.

DOWLAISHWERAM,
14th October 1885.

(Signed) W. A. MATHEWS, Asst. Engr.,
for Superintending Engineer, I Circle.

From the Superintending Engineer, I Circle, dated 5th December 1885, No. 178 V.Z.

From the Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 10th December 1885, No. 187 V.Z.

With reference to G.O., No. 2342 W., dated 8th October 1885, I have the honor to submit the accompanying further explanation from Mr. T. D. Harris, the Executive Engineer of the Vizagapatam division, regarding the delay in finishing the bungalow for the Police Assistant Superintendent at Jeypore, which I trust may be considered satisfactory.

2. Mr. Harris has twice inspected the work at Jeypore during the current year, taking up a great portion of his time in the long journeys necessary. The unsatisfactory state of his health during 1883-84, which prevented him from making more than one inspection during each of these years, was caused entirely by exposure on the Potinghi ghât road, which important work has been brought to a successful termination principally through Mr. Harris's personal exertions.

3. The explanation called for from Mr. Overseer Marrow was submitted with this office No. 143 V.Z., dated 10th October 1885.

ENCLOSURE.

From T. D. HARRIS, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Vizianagrum, 2nd December 1885, No. 1262.

With advertence to your endorsement, No. 152 V.Z., dated 29th October 1885, on G.O., No. 2342 W., dated 8th October 1885, I have the honor to inform you that the Police Assistant Superintendent's bungalow at Jeypore was visited by me on the dates noted below since its commencement in January 1883, viz.:—

1. On the 25th January 1883.
2. On the 4th, 5th and 6th April 1884.
3. On the 28th March 1885.
4. On the 14th and 15th November 1885.

2. In the latter part of 1883, I should have visited the work, but I was prevented from doing so by severe illness; and in November 1883 I took very ill, so much so that I was obliged to leave the district on three months' leave. During my absence on leave Mr. Clerk, Assistant Engineer, held charge of the division, but during this period he does not appear to have visited the work, probably because he inspected it only a few weeks before he took over charge of the division.

3. Again, during the latter part of the year 1884, I was unwell, suffering from ulcers caused by fever contracted on the Potinghi ghât. I was on my back for weeks together, had to undergo most critical and painful operations, and was medically advised not to visit the hills. Thus, I was not able to see the work again in 1884.

4. You are not unaware that Vizagapatam is the largest of all the districts in the presidency, and that works in it are spread over an enormous area, upwards of 17,000 square miles. Many of the works are more than 150 miles apart, and owing to the very unhealthy character of a great part of the district and the *state* of communications (there are no roads even in the plains thoroughly bridged, and as for the hills, except the Potinghi ghât, there is no road or way you can ride or drive over in the wet weather season), it is not, therefore, possible for an Executive Engineer to visit each work in the division more than twice a-year, and no Executive Engineer of the department ever did work in the Jeypore hills before me.

5. I regret the Government were not pleased to consider my explanation regarding the delay in the completion of the work to be satisfactory. I submit that nothing which could be done or was possible to be done in pushing it on to completion was left undone. Jeypore is altogether an out-of-the-way place to which all labor and materials have to be imported, and owing to the dreadful scourge, fever, prevalent there, which prostrates the supervising staff as well as the work-people, great difficulty is experienced in persuading men to remain on the work, added to which there are no cart-roads available to within a mile or so of Jeypore, so that lime, timber, and all other materials required should be conveyed by coolies, which more or less retards the progress of the work.

6. In the rainy season all works are at a stand-still owing to the difficulty of communication, the rivers being impassable, and also owing to the rains being almost incessant; and in dry weather there is the pongal and hunting season when no cooly will work under any circumstances. Thus, you will observe, there are many difficulties in the face of which this work has to be proceeded with.

7. Notwithstanding all the above difficulties, this building should have been completed last year, had it not been for the unfortunate accident which occurred owing to the enormous rainfall of July 1884, and which seriously shook the building, so much so that it was necessary to dismantle the damaged walls down to the level of the basement and rebuild them with brick in lime mortar; this is doing the whole superstructure newly twice over, and simply because, as pointed out by me, brick-in-mud walls cannot stand the climate of Jeypore. All the necessary precautions were taken to prevent any damage to the mud-walls, but no mud-work would hold the roof on such an elevated base and so exposed, and under any circumstances mud-walls are not suitable to the climate of Jeypore, where rains are so heavy and last so long. On this point I beg to refer you to the Agent to the Governor who has an immense experience of the Jeypore tracts and who will no doubt confirm my statements.

8. The building has now far advanced towards completion. The office and the out-houses have been completed. Putting up wood-work on verandahs and the main building roof in progress and also plastering. All materials are ready at site. I have just inspected the work and everything in connection therewith and am well pleased to state that everything in connection with the building has been exceedingly well done; the tiles are particularly excellent and the first ever made in Jeypore town. The bricks also are good and the lime mortar (gooting) excellent but very difficult to procure, causing sometimes great delay owing to the great distance from which it has to be conveyed and the great area over which it has to be gathered, and what we can get in the plains for Rs. 7 we pay at Jeypore from Rs. 15 to Rs. 20. The Inspector-General of Police on his tour in his report makes comparison of missionary and other works in the hill tracts with the building under reference; his comparison is like comparing starlight into sunlight to begin with; and now, as regards the missionary works at Koraput, the German Lutheran Mission commenced a building about the same time as the Assistant Superintendent's quarters under reference was commenced. I know it well. The building is 137 feet × 36 feet wide, and is to have six main rooms (two 23 feet × 15 feet and four 15 × 15) and eight small rooms in the verandahs. It is to have verandahs in front and rear and sides.

The foundation and basement are finished. The foundation is partly of roughstone-in-mud and partly of brick-in-mud and the basement (3 feet in height) is of brick-in-mud pointed with chunam. There is also a cook-house under construction (30 feet × 12½ feet): a part of the foundation is just in about 2 feet in depth. There are at site about 5,000 burnt bricks, 2 garces of lime and 11 country-wood windows (3 feet × 5 feet). The bricks are the most wretched, and in fact little better than sun dried; the whole work is miserably poor and the superstructure, now in progress at the rate of about a cubic yard per diem, would take three or four years to complete and would never hold up a tiled roof. Now, this is the true fact of the case; and why should the Inspector-General of Police, who had never seen the Assistant Superintendent's quarters at Jeypore, having only got as far as Koraput, within 15 miles of Jeypore, when he beat a hasty retreat back to plains, make comparisons and misstatements as he has done? Trusting the information now submitted will be found satisfactory.

G.O., dated 18th December 1885, Mis. No. 3449, Judicial.

From T. D. HARRIS, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Vizianagrum, 5th December 1885, No. 1277.

In continuation of my letter, No. 1262, dated 2nd instant, I have the honor to submit, herewith, a copy of letter, No. 204, dated 28th November 1885, from the Assistant Engineer in charge of the Vizianagrum sub-division on the subject of the workmanship of the Police Assistant Superintendent's bungalow at Jeypore, with reference to the Police Inspector-General's statements (*vide* his report embodied in G.O., No. 1351, dated 8th August 1885).

2. Overseer Mr. Marrow's explanation, called for in your endorsement, No. 152 V.Z., dated 29th October 1885, will be forwarded as soon as received from him.

ENCLOSURE.

From T. T. RAGHAVACHARIAR, Assistant Engineer, Vizianagrum sub-division, to the Executive Engineer, Vizagapatam division, dated Bobbili, 28th November 1885, No. 204.

Referring to your letter, No. 795, dated 25th August 1885, I beg to submit to you the informations therein called for, viz.—

(1) Assistant Superintendent's (Police) bungalow and out-houses—Present state:—The walls of the main building have been all of them built up to full height and roofing (putting up

woodwork, rafters and reepers) is now in progress: The necessary tiles and other materials for the roof are ready at site.

(2) The building will be finished by the end of January 1886.

(3) *Travellers' bungalow at Koraput*:—It was commenced by Overseer Mr. Lears (in the Agency Department) in November 1882 and completed by Mr. F. A. Bellis in March 1884.

Jeypore sub-jail:—It was commenced in May 1883 by Mr. F. A. Bellis, and the work is still in progress.

(4) *Missionary building at Koraput*:—This building, when finished, will be 137 feet long and 36 feet wide, with six rooms in a line in the centre and eight small rooms in the rear, and side verandahs and a front verandah. It was commenced in the beginning of 1884 (the precise dates cannot be ascertained) and they have put in the foundations and built up the basement: at the site of work there are about 5,000 burnt bricks, about 2 garces of lime, and 11 windows (mainly batten) of country wood. This is all the progress of the work.

2. In addition to the above information called for, I beg your permission to add the following.

The Assistant Superintendent's bungalow had its walls all up to their full height (16 feet) in May 1884. The walls having then been of brick-in-mud, some portions of the walls gave way and tumbled in heavy rains in July of that year. This was reported to the higher authorities and a revised estimate had to be prepared for building all the walls with brick-in-chunam to stand the rains of Jeypore; and on the submission of this estimate orders were issued in November 1884. The mud-and-brick walls were then carefully pulled down, and the materials were being collected in December for building the brick-in-chunam walls. The demolition of the walls took comparatively a long time, inasmuch as this had to be done so very carefully, spoiling as few bricks as possible with a view to reducing the cost of the (revised estimate) brick-in-chunam walls. On account of the great difficulty of procuring lime in the neighbourhood of Jeypore, the actual construction of the walls was not commenced till the beginning of January 1885. And by the time the Inspector-General of Police was at Koraput the new brick in chunam walls were all up about 4 to 6 feet high in February and about 9 feet high in March 1885. The out-house (or rather cook-room and servants' quarters) was by that time almost finished, except a little flooring. The office building had at that time almost all the woodwork of roof on. Thus, I would like to point out that, at the time that the Inspector-General of Police was at Koraput, the Assistant Superintendent's residence had proceeded far beyond the basement (not to say that the building would have had its roof on, by the time, had it not been for the accident in the previous year's July, when some of the walls tumbled down in heavy rain because they were brick-in-mud walls, and certainly not on account of bad work), that the cook-room and servants' quarters were almost towards completion, and that the office had almost all the woodwork of roof on, and was certainly not in the same state it was in two years ago (the works having been commenced in the beginning of 1883).

3. To compare the Assistant Superintendent's bungalow and its out-houses with other buildings in Jeypore and Koraput:—

(1) *Koraput travellers' bungalow*.—This is a much smaller building. It was commenced in November 1882 and properly completed only in 1885, so far as I can learn from my inquiry, although Mr. Bellis says he finished it in March 1884; as I have already said, it is a much smaller building and the walls are all only of brick-in-mud, which cuts short about one-third of the delay in the construction of the building (there is always delay in getting lime).

(2) *Potinghy rest-house*.—This is also a much smaller building than the Jeypore buildings. Besides the materials for the superstructure were most of them and largely obtained from Salur, where they could be easily procured, and hence there can be no comparison between this and those at Jeypore, where there was difficulty in obtaining labor as well as materials.

(3) *The sub-magistrate's cutcherry at Jeypore*.—The whole building is about just the size of the cook-room and servants' quarters and the office that we are building at Jeypore. This was commenced, Mr. Bellis says, in May 1883. Making fair allowance for the difference of about three or four months at the start, our buildings were not, in progress, far behind the sub-jail. In the time that was taken to build up the walls of the whole building (all of brick-in-mud) and put on the roof on about half of the building of the sub-magistrate's cutcherry, we had almost finished the cook-room and servants' quarters, put up the woodwork of roof of office, and built the superstructure, to the full height, of the Superintendent's residence, first of brick-in-mud, and then demolished the whole said superstructure and built up again about (average) 5 feet height of walling of brick-in-chunam. To say the least of it, if the high brick-in-mud walls of the Superintendent's residence had stood the rains of July 1884, the roof would have been on and probably the building would have been finished in February or March 1885. Thus, considering the size of the building and taking into consideration also the chief cause of delay in completion, viz., the necessity for reconstructing the walls with brick-in-chunam (pulling down the walls that were ready to receive the roof) and so, in fact, doing the work twice over, the progress on the construction of the Assistant Superintendent's bungalow and out-houses at the time that the Inspector-General of Police was at Koraput has been by no means unsatisfactory.

(4) *Missionary's building at Koraput*.—The progress on this work for the one year or so that they have actually taken to throw in 3-feet depth of foundation and to build 3-feet height of basement (partly of mud and stone, and partly of stone and chunam), the exterior dimensions of the building being 137 feet × 36 feet, and to collect about 5,000 burnt bricks with 2 garces of lime and 11 country-wood (3 feet × 5 feet) windows, the progress I don't think offers much materials to compare it with our buildings in Jeypore.

This work of the missionary's, I may as well say here, is now at a stand-still on account of the great difficulty in procuring labor and materials at Koraput. To this day the building is at its basement and the superstructure is not yet commenced.

Endorsement on the above.

No. 120 C.

Submitted to the Chief Engineer, Public Works Department, in continuation of this office No. 187 V.Z., dated 7th instant.

SAMALKÓT, 16th December 1885.

(Signed) P. MONTGOMERIE, Lieut.-Col., R.E., Superintending Engineer, I Circle.

From T. D. HARRIS, Esq., Executive Engineer, Vizagapatam division, to the Superintending Engineer, I Circle, dated Waltair, 9th December 1885, No. 1295.

In continuation of my letter, No. 1277, dated 5th instant, I have the honor to forward, herewith, Overseer Mr. Marrow's explanation, called for in your endorsement, No. 152 V.Z., dated 29th October 1885.

Endorsement on the above.

No. 123 C.

Submitted, together with Mr. Overseer Marrow's explanation, in original, to Chief Engineer, Public Works Department, with reference to G.O., No. 2342 W., dated 8th October 1885.

WALTAIR, 25th December 1885.

(Signed) P. MONTGOMERIE, Lieut.-Col., R.E., Superintending Engineer, I Circle.

ORDER—dated 6th January 1886, No. 41 W., Public Works.

The foregoing papers will be communicated to the Judicial Department, with advertence to proceedings in that department, dated 20th July 1885, No. 1885.

2. The delay in completing the Police Assistant Superintendent's residence at Jeypore is explained at length by the Executive Engineer, Vizagapatam division. There seems no doubt that the work was carried on under great difficulties, for which all due allowance must be made.

3. The Executive Engineer challenges the statement of the Inspector-General of Police that the failure of the walls in the first instance was due to bad work, and he appears to attribute it to the use of mud instead of mortar. The estimate for the work, sanctioned in G.O., No. 1260 W., dated 17th May 1882, was prepared by the Public Works Department; but with advertence to the Executive Engineer's present remarks as to the unsuitableness of brick-in-mud structures to the climate of Jeypore, the Government are unable to find on record that he advised the use of mortar before the building was begun.

4. The Executive Engineer states that he is not satisfied with the progress made on the work by Overseer Marrow since the brick-in-mud walls were ordered to be dismantled and rebuilt with brick-in-mortar. The overseer's explanation on this point,

and also as to why he left his division without reporting himself to the Executive Engineer, has been submitted without remark by the Executive Engineer or the Superintending Engineer.

5. The correspondence shews that the comparison instituted by the Inspector-General of Police between the progress on the Assistant Superintendent's residence and that on other buildings in the locality is not sustainable by facts. The Government note that the Assistant Superintendent's house has now progressed far towards completion, and they trust that no effort will be spared to complete it without further delay.

6. The proposal to post an Assistant Engineer to Koraput will be kept in view when work is begun on the Potinghi-Koraput road, for which an allotment of Rs. 50,000 has been provided in the preliminiary issue of the Provincial budget for 1886-87. Meanwhile, the question of improving the class of buildings erected in Jeypore, adverted to in paragraph 5 of G.O., dated 20th July 1885, No. 1885, Judicial, will be considered by the Superintending Engineer, who will report his views on the subject at an early date.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Judicial Department.
" Superintending Engineer, I Circle.

Exd. E. Fernandez.
Spare Copies

1425/6

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated January, 6th.

Read. *Encl.*

G.O., 6th Jan. 1886, No. 41 W.

JANUARY.

Police Assistant Superintendent's Residence at Jeypore

Orders on reports relating to the construction of the —.

Public Works Department, 1886-87.

Current No. 3549

Letter No. 28 V. Z.

Dated the 26th April 1886

From the Superintending Engineer I Circle

NOTE OF REMARKS.

1. The accompanying 2nd revised estimate for constructing a residence for the Assistant Superintendent of Police at Jeypore & amounts to Rs. 15,350 or Rs. 1100 in excess of the 1st revised estimate of Rs. 14250 sanctioned in G. O. No. 842 P. of the 6th April 1885.

2. The cause of deviations and altered rates have been explained in the comparative statement.

3. The estimate has not been countersigned by the Inspector General of Police nor approved by the Judicial Department.

14.5.86

O. 15.5.86

No. 2-8V7

CURRENT NO. 1864

FROM,

THE SUPERINTENDING ENGINEER

FIRST CIRCLE.

TO,

THE CHIEF ENGINEER

~~FOR IRRIGATION.~~

Enclosures 3.
2 Abstract Ests
1 Com: Statement
3 Three

Camp Berhampore ~~DOWLAISHWARAM~~, 26 April 1886.

Desp 5th May 86

SIR,

I have the honor to submit the accompanying Revised Estimate with a comparative Statement defining the cause of the deviations and altered rates & to request that the early sanction of Government may be obtained thereto.

For Constructing a residence for the Asst Supt of Police at Jeypore-

Estimate Rs 15,350-"-"

Orig ___ Do ___ 14,250-"-"

I have the honorable Sir,

your most obedient Svt

[signature] Major RE

Supt Engr 1st Circle

G.O. No 842 W. 6.4.85   G.O. 1260 W. 27.5.82
" " 1442 W. 18.5.83   B. No 2987 W. 30.11.81.
" " 1260 W. 27.5.82
" " 41 W. 17.5.82
B. No 2342 W. 6.4.86 Orig.
No 1357 C. 8.10.85
Judl. No 3449 2nd 18.12.85
W. G.O. 3096 W. 23.11.82.
" 1711 W. 9.7.82.

Ootacamund, May 19. 1886.

No 154 J.

Forwarded to the Judicial Department for the countersignature of the Inspector General of Police, if approved, and the return.

(By order)

[illegible] Campbell Major, R.E.,
Dy Chief Engineer P.W.D.

No 839 C

19.5.86

Forwarded, as requested, to the Inspr. Genl. of Police.

By order
A.G. Cardew
Ag. Asst. Secy.
22.5.86.

Ag. 25/5.
6.15.5.86

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

CURRENT, NO. 1864

TO,

THE CHIEF ENGINEER
~~FOR IRRIGATION.~~

DATED 26th April
DESPATCHED 5th May 1886.
RECEIVED
Recd 19/5/86

No. 28 V2

ENCLOSURES. Three

Constructing a residence for the Assistant Superintendent of Police at Jeypore Estimate No. 15350 — Submits for early sanction the Revised Estimate for with the Comparative Statement.

Forwarded

No. 2662

Chief Office of the Inspector General of Police,

Madras, 27th May 1886.

FROM

Colonel T. K. Guthrie,
INSPECTOR GENERAL OF POLICE,

TO

THE Chief Secretary
to Government,
Ootacamund.

SIR,

Enclosures. Four.
Herewith returned.

With reference to your endorsement No. 839 C of the 22d Instant, I have the honor to return countersigned the revised estimate for Rupees 15,350 — for the construction of a residence for the Assistant Superintendent of Police at Jeypore.

I have the honor to be,
Sir
Your Most Obedt. Servt.,
[illegible]
Lt. Col:
Asst. Inspr. Genl. of Police,
for Inspector General of Police.

E. C. No. 2.2 ...

CURRENT NO. 1965

Judicial (1886) DEPARTMENT.

Pullers 4259

p. 3

FROM Col: T. K. Guthrie

INSPECTOR GENERAL of Police,

No. 910 C

Transferred, with referred papers, to the Public Works Department.

By order.

F.W.

Ag. Asst. Secy.

7. 6. 86.

No. 2662

Dated 27th / Received 1st May 1886.

Recd 10/6/86

Ct. No. 1864 returned

SUBJECT.

Returns countersigned the revised estimate for Rs 15,350-0-0 for the construction of a residence for the Assistant Superintendent of Police at Jeypore.

Acs. 30/6

No. 1475 W.

PUBLIC WORKS DEPARTMENT.

1525/11

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 11th June 1886

READ the following

Letter from the S. E. I Circle (A.E. No. 1801 L. d/ April 26. 1886)

" " the Inspr. Genl. of Police } (" " 2662 d/ May 27. ")

Endt. thereon in Judl. deptt. (" " 910 C d/ June 7. ")

4

The second revised estimate amounting to Rs 15,350, for constructing a residence for the Assistant Superintendent of Police at Jeypore, is sanctioned in supersession of the

amounting to ₨14,250,
estimate ^ sanctioned

in G.O. No. 842 W dated

5th April 1886.

2. The necessity for the submission of a second revised estimate is far from satisfactory. The necessity appears to have arisen from insufficient provision in the previous estimate, as to which fuller explanation should have been given.

3. This sanction has

been registered as

Provincial No. 44 W of

1886-87, and classified

as Civil Buildings,

Original Works.

[illegible]
8.6.86

[illegible]
10/6/86

I — C.S.
11/6/86

B [illegible]
11/6

S. E. I Circle
with 2 enclosures [illegible]

Ex. P.W. Accounts
with dupte abst. st.

Judicial dept

[illegible]
15/6/86

[illegible]

Cu
A.S. 3/6/6.

1473/12

Judicial DEPARTMENT.

ENCLOSURE 5. 4.

In a letter from the Inspector
General of Police, dated Madras
27th May 1886 No. 2662.

143/13

4459.

Govt. of 1886 Madras.

PUBLIC WORKS.

Dated Soon 11/6/86

Recd. Encl.

G.O., 11 June 1886, No. 1475 W.

Police asst Supdts' residence at Jeypore

=

The second revised Estimate of Rs 15,350 for constg. the Sanctioned with remarks.

60/4

4e/11/6 S 11/6