(1) பக்கங்களின் எண்ணிக்கை 76

(2) புதுக்கித் திருப்பிய நாள் செப்டம் 88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

30.9.8

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப் பணித் துறை

அரசாணை எண். அச்சகம்

~~மு. கோப்புத் தாள் எண்.~~ பலவகை

G.O.ms 1060 W

நாள் : 9. 4. 1888 ~~19~~.

கவோ கண்டபடி கையாளவோ கூடாது

கா-1—18,006—15-6-87.

1060
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. H. TAYLOR, Esq., Port Officer, Madras, to the Chief Engineer, Public Works Department, dated Madras, 10th March 1887, No. 2068.

I have the honor to forward a letter from the Superintending Engineer, VI Circle, No. 521 T.N., dated 19th February last, forwarding estimate and plan for the erection of a light-house at Manapaud, and, with reference to his remarks as to the want of the design of the light apparatus for the purpose of fixing the dimensions of the top, to state that the light indented for to England is a sixth order light, similar to those at Cannanore and Tellicherry. A plan of the lantern and column of either of those light-houses will be a safe guide to enable him to complete his plan of the top, and I would suggest that he be instructed to place himself in communication with the Executive Engineer, West Coast, on the subject.

Memorandum to the Superintending Engineer, VI Circle, dated 19th March 1887, No. 1065 C.

From T. E. MARSHALL, Esq., Acting Port Officer, Madras, to the Chief Secretary to Government, dated Madras, 1st July 1887, No. 5639.

I have the honor to forward the papers, as per margin, relating to the construction of the Manapaud light-house.

2. In G.O., No. 480, Marine, dated 27th August 1886, the plan and estimate, amounting to Rs. 999-8-0, submitted by the Port Officer, Tuticorin, was transferred to the Public Works Department for examination and disposal, if necessary a fresh plan and estimate being prepared. This was followed by an estimate from the Executive Engineer, Tinnevelly division, amounting to Rs. 1,300, and the Executive Engineer of the VI Circle in reporting thereon observed that, subject to correction as regards height and size of top of light-house, as there was no design for the light apparatus available, the estimate was recommended for sanction. The papers having been referred to the Port Officer, Madras, he informed the Chief Engineer, Public Works Department, that the light apparatus intended for the Manapaud light-house was a sixth order light, similar to those at Cannanore and Tellicherry, and suggested that a plan of the lantern and column of either of them should be obtained as a guide for completing the plan of the top of the Manapaud light-house,

1. Estimate from Port Officer, Tuticorin, dated 27th July 1886, for Rs. 999-8-0.
2. G.O. No. 480, Marine, 27th August 1886.
3. Report to accompany estimate from the Executive Engineer, Tinnevelly division, dated 14th February 1887.
4. Estimate from the Executive Engineer, Tinnevelly division, amounting to Rs. 1,300, dated 14th February 1887.
5. Report of Executive Engineer, in charge of VI Circle, dated 19th February 1887.
6. Letter from Port Officer, Madras, No. 2068, dated 10th March 1887.
7. Letter from Superintending Engineer, VI Circle, No. 20 T.N., dated 22nd June 1887.

1060
22

22ND AUGUST 1887, No. 2252 W., PUBLIC WORKS.

This department has just received a letter from the Superintending Engineer, VI Circle (herewith sent), in which he writes as follows :—

> "On examination of the plan of the lantern and column of the light-house at Cannanore, I consider that the space allowed, viz., 11 feet square, on the top of the building is amply sufficient for the light apparatus, and I therefore return the papers, which accompanied your letter under reference, for submission to Government for sanction."

3. The light apparatus has arrived from England and is now in charge of the Port Officer, Tuticorin. It is very desirable that the light-house should be erected as soon as possible, and I solicit therefore that the necessary sanction may be granted for the early execution of the work, which will form a charge against Port Fund, Tuticorin.

From the Port Officer, Madras, dated 15th July 1887, No. 6338.

Approved and transferred to the Public Works Department.

(By Order.)

OOTACAMUND,
6th August 1887.

(Signed) W. S. MEYER,
Ag. Asst. Secy., Marine Dept.

ORDER—dated 22nd August 1887, No. 2252 W., Public Works.

The estimate, amounting to Rs. 1,300, for constructing a light-house at Manapaud, in the Tinnevelly district, is sanctioned.

2. The question of providing funds required for the work, as shown in the margin, will be considered in the Financial Department.

	RS.
Works	1,300
Establishment	299
Tools and plant	20
Total ...	1,619

3. The sanction accorded in paragraph 1 of these proceedings has been registered as Excluded, Local, No. 23 W. of 1887-88, and classified as Miscellaneous Public Improvements, Original Works.

(True Extract.)

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

To the Superintending Engineer, VI Circle, with six enclosures.
" Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, VI Circle.
" Marine Department.
" Financial Department.
" Newspapers.

Exd. J. Moses.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated August, 22nd.

Encl.

Recd.

G.O., 22nd Aug. 1887, No. 2252 W.

AUGUST.

Light-house at Manapaud

Estimate for constructing a —, in the Tinnevelly district, sanctioned.

3rd June 1886, No. 280, Marine.

1060/3

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper :—

From J. H. TAYLOR, Esq., Lieut., R.N.R., Master Attendant, Madras, to the Chief Secretary to Government, dated Madras, 15th April 1886, No. 3476.

Administrative Department.

I have the honor to report that on the 13th February last, I visited the port of Negapatam, found the light and house in good order, Hon. Colonel Shaw-Stewart accompanying me. No changes of any sort in the river have occurred since my last visit, and I endeavoured to elicit some expression of opinion as to the best method of improving the port, having previously circulated a plan of my own proposal as being in my opinion likely to do good, but not by any means insisting upon it. I noticed that, on the occasion of His Excellency the Governor's recent visit, great stress was laid by the local European authorities as to the good that would result if they had control of the port funds. Under present legislation, that could not be listened to, nor does the Port-Dues Act sanction the funds being diverted to river improvements unconnected with shipping; but from what they advanced, I entertained a hopeful conviction that they were ready to come forward with some feasible plan, which, if approved by the Chief Engineer, might receive assistance in the same way that help is being given to Gópálpur, Tuticorin, Cocanada, &c. I have since received letters, through the Collector, copies of which are sent herewith, from which it appears that the Natives wish nothing done, and the European members of the community seem only to desire the money, which they have been assured cannot be granted them. I beg respectfully to recommend therefore that, when the dredge is in good working order, the boat basin be filled up, and its outer wall strengthened, and the low ground at the back of the quay filled up to the quay level, and revetted on the north side, so as to divert the town sewer and storm water clear of the quay, which now suffers damage from town floods. The ground recovered in both cases will become valuable. The deputations that addressed His Excellency the Governor omitted to draw his attention to the fact that the failure of the works hitherto attempted was due partly to the entire absence of any intelligent method of drainage by the Municipality, and partly to the action of the Railway Company, who have for years encouraged the large lighters bringing railway material to lie at the jetty, where their crane is constructed, and thus accumulated silt and caused shallows on the town side. To such an extent was the evil permitted that a large bank was formed into the river, upon which coal was stored. This was interdicted in 1883, and if a moderately deep current could be maintained along the town side, and the sewage and storm water diverted to the sea, north of the quay, a very important improvement would be effected, and the sanitary condition of the town, which is now one of the most unhealthy in the Presidency, would be benefited. The prosperity of the sea-borne trade is not in any way interfered with by the evil condition of the town, and the native merchants, who conduct by far the largest portion of export and import business, do not desire any change. The difficulties, such as they are, are inseparable from those of all other ports similarly placed on rivers debouching on a loose sandy shore, and troubled with a bar, which changes its position and altitude with every variation of the seasons.

2. From Negapatam we proceeded to Pámban, and in going through, an accident happened to the steamer *Madras*, which obliged us to leave her there for repair, and apply for the *Margaret Northcote*, which fortunately was idle at Tuticorin. The accident was brought about solely by the characteristic obstinacy of the Commander, Mr. Lloyd. His attention had been drawn by me to the slack condition of his wheel-chains, and he had been ordered to take them in. In this climate chains corrode so rapidly that they require constant attention. He neglected to take this precaution, and, on entering the pass with steam and current acting upon the vessel, the port pilot

steering and in charge, a sudden rapid movement of the wheel caused the chain to ride on the barrel, and effectually stopped all steerage. She took the ground on the left bank, and though the shock was not great, her plates seem to have suffered from the coral of which the bottom is composed. A leak developed under the engine, but this was stopped by concrete and an iron plate fortunately at hand. I did not, however, consider it advisable to proceed in her, but directed Mr. Lloyd to remain in Pámban for a few days, and, if nothing more occurred, to proceed slowly to Madras. This he did, but soon after getting the boat in motion, another leak sprang under the after-boiler, and necessitated her being placed on the beach in a very secure place, where she is now waiting a careful examination of the bottom.

3. The lighthouse is in very good condition, but several complaints had reached me in Madras regarding the quality of the light, which was admitted by the Port Officer, Mr. James, to be inferior—a defect which he, in the first case, attributed to the size of the wick, and afterwards to the nature of the oil. The wick was changed and the oil sent up to Madras, where it was pronounced by the Chemical Examiner to be very superior. On inspection, we found that ignorance of the right way of trimming the wick was the real cause; it had been cut so as to form a point in the centre, and the volume of the light was diminished more than half. A lesson was administered to the keepers, and I hope to hear no more complaints. The prism is in perfect order.

4. We inspected the buildings, which had suffered in the last cyclone, and left instructions as to what portions should be repaired. The Pámban Pass itself does not seem to have silted up, but a dredge is wanted on the sand banks between Cooreesuddy and Pámban, where the currents take bends and cause obtructions. But the question of going to the great expense of providing efficient dredgers has become to a great extent dependent on the realization, or withdrawal, of the Pámban Canal project. We from time to time hear this scheme alluded to in newspapers and occasional letters, and a confident tone is assumed about it. Hon. Colonel Shaw-Stewart saw some of the trial pits bored early in 1882 by order of the Madras Government, and was able to take a very good view of the country and form an opinion on the feasibility of the canal. I also took occasion to point out to him the difficulties connected with navigation, which, in my judgment, will prove fatal to any pecuniary return; the cut itself is nothing, but the approaches on either side are formidable obstacles, and have not received the attention they will claim hereafter, if capitalists are committed to the scheme. In the *Madras Mail* of 15th March 1886, this passage occurs in a leading article dealing with Pondicherry and Monsieur Richaud, its Governor:—"Some progress in the shape of international negotiations has been made in respect to the Pámban Channel project, but neither the English nor French Government has been able to allot funds for the work out of the current year's budget."

5. So far as my inquiries have proceeded, no circular or invitation of any kind has been issued to the mercantile communities of Colombo, Madras or Calcutta, to invest money towards the capital required. The Government of Ceylon, in a letter to the Government of Madras, dated 22nd April 1885, repudiated all active interest in the concern, and though letters direct to the Government of Madras from the promoters, Messrs. Grindrod and Jenkins, relating to railroads in the extreme south of the presidency between Tuticorin, Madura and Ramnad promontory, in connection with the project, have been received, it seems difficult to believe they were written with any hope of practical results. Some opinions of Sir John Coode's have also been published, though probably not under his authority.

6. The general effect of all these communications is to throw discouragement on any effort of ours to improve or maintain the present pass at what will be great expense to port funds. If the canal is formed, it will certainly be sufficient for small vessels such as now frequent the Pámban Pass, and it will, by allowing light-draught steamers of the British India Steam Navigation Company to go through, soon destroy entirely the native trade, which now finds employment for a very good style of vessel and a large class of seafaring natives. Negapatam will be a sufferer by the change, for a steamer will take as many coolies in one trip as half-a-dozen schooners, and only pay one port due. Native merchants exhibit no disposition at present to invest in steam. They know little or nothing about it, and have a very reasonable dread of placing their interests so completely in the hands of European Commanders and Engineers.

7. On leaving Pámban in the little *Margaret Northcote*, we passed through that portion of the channel where the proposed Lorne Harbour is situated. It is ten miles from the promontory, and the canal would be on the mainland of India, thus affording a harbour, to which railroads and other conveniences might converge; but there is no real necessity for any such harbour, and an enormous sum of money would be required to construct the breakwater to the south-west, which is now completely exposed to the force of the monsoon, and breakwater protection would also be required to protect the mouth of the canal in Palk's Bay, while similar difficulties in navigation would arise to those connected with the Rámesvaram project. It should never be forgotten that, if the latter canal was formed, it would be of no use to Southern India on account of the transhipment of cargo that would be compulsory. All merchants dread the inconvenience, the expense and the risk of this interference with their shipments, which necessitates another agency and commission, which, in these days, cannot be afforded. We discharged our native pilot at Heelakarai—a port which represents very fairly the uncertainty of trade and the fluctuations of prosperity. It was once a large and flourishing seaport, but now shows every symptom of decay. It used to maintain eighteen pilots to conduct the navigation between it and Pámban, but the demand has fallen short, and I am compelled to instruct the Port Officer at Pámban not to fill up vacancies among the pilots until the reduction of numbers to nine.

8. At Tuticorin we inspected the lighthouse on Hare Island, a very handsome column of stones, with the lamp and prisms in perfect order, as everything under Mr. Phipps' charge is found to be. The pier, which has been lengthened recently, might be well improved by the inner half having the roadway widened; it pays well enough to justify this expense, and I have instructed Mr. Phipps to send in an estimate, for submission and recommendation to Government.

9. From Tuticorin, Hon. Colonel Shaw-Stewart returned to Madras, but as the *Margaret Northcote* was not immediately required, and the coals on board belonged to the Marine Department, I thought it right to continue my inspection as far as Beypore, from which port the expected visit of His Excellency the Viceroy to Madras would compel my return.

10. Captain Phipps and I left Tuticorin in the afternoon of the 18th February, timing ourselves to arrive at night off Manapaud Point, where a small light is very much required.

11. During the day, the great Trichendore temple is a splendid land mark. It is about six miles north-east of Manapaud Point, but at night the ever-increasing growth of the dangerous shoal between the two places renders it very desirable that a light, such as the one at Tellicherry, be exhibited. The ground close to the church is of considerable elevation, probably sixty or seventy feet, so that an inexpensive turret for the light, and a room beneath for the keeper, would suffice.

12. On the morning of the 19th, we inspected the Muttum Lighthouse, and the new buildings for the establishment. Everything about the light and house was in perfect order, and would do credit to any Trinity light in England. The house and offices are advancing rapidly, and will be strong and comfortable when completed. The lightning conductor is carried down the hill to water. Proceeded at 9 A.M., and anchored that night at Quilon to give the firemen a rest, the vessel not being manned for constant work. I have already reported on the capabilities of Quilon for harbour purposes. But in the absence of trade, or promise of it, nothing can well be done. Left at 8 A.M., 20th, and entered Cochin Harbour next morning. There was a fair depth of sixteen feet water on the bar. I inspected the lighthouse and light, all in good order. The Government jetty is in need of repairs, and Mr. Winckler was ordered to send in an estimate. I sent for Mr. Pinto, the senior pilot, who has been so unfavorably reported on by Mr. Logan and Mr. Winckler with regard to his conduct on board the Barque *Cyrene*. I informed him that Government had ordered his early retirement, and advised him to send in any petition he could get supported by local authorities. This he has failed to do. He has been for several years a

constant source of trouble to the Port Officer. The previous Port Officer had been directed to send in a monthly report of his conduct and attendance, and only a short time before the *Cyrene's* accident, Mr. Winckler had applied for permission to fine him for insubordination and non-attention to orders and duty. He has a large family, and on their account I regret that I can urge nothing in his favor. The head clerk of this Cochin office has just been convicted of theft and embezzlement of Government money, and sentenced to 18 months' rigorous imprisonment, for want of proper supervision. He discovered a way of falsifying the pilot's accounts, and by altering the counterfoils, after signature of the Port Officer had been given to the bills, secured a large sum of money. How far back this robbery dates cannot be ascertained, but the late Mr. Gahan, Port Officer, and Mr. Winckler, present Port Officer, evidently allowed themselves to be hoodwinked by this clever rascal. The Cruz Milagre Gap and the town groynes are fairly well reported on, and I could see nothing in the port or harbour on which port funds could legitimately or usefully be applied.

Vide G.O., Marine, Mis. No. 170, dated 9th April 1886.

13. Went on same day to Ponáni, which place I was desirous of examining on account of some claims for jetty improvements sought to be placed on port funds. The bar is not passable for dhonies, of which class of vessel there were eight in the roads. There are three or four places for landing and shipping cargo at some distance from one another, and the attempt to unite all trade on one small jetty would seriously embarrass the trade. It is at once evident that revetment of the beach wall and protection of the most exposed portion of it is the only reason for the attempt on the general port fund. Native vessels pay a very small tonnage due, and when I recommended the extension of the Dues Act to this class of vessel, it was only that they might pay a reasonable compensation for the lighting of the coast, the charts for their guidance, and the general protection they enjoyed.

14. Same evening arrived at Beypore; the red light at that port did not show well, the colors of the glass being too opaque. I have now had that attended to, and thin, colored chimney supplied instead of glass sides to the lanthorn. The Calicut light gives a good light, and Port Officer reports the lighthouse and all appliances in good order.

ENCLOSURES.

From J. B. PENNINGTON, Esq., Collector of Tanjore, to the Master Attendant, Administrative Department, Madras, dated Vallam, 5th March 1886, No. 1433.

With reference to your D.O., dated 27th January 1886, forwarding a rough plan in connection with the proposed improvements at the port of Negapatam, I have the honor to inform you that the leading merchants and others consulted through Mr. Denison, have given no decided opinion as regards the expediency or otherwise of the improvements proposed, except that some native merchants say that such improvements are unnecessary. It appears that the Executive Engineer has given his opinion on the subject and that his letter has been forwarded to you by Mr. Denison. The sketch referred to is herewith returned.

2. The other plan alluded to in your demi-official under reference is probably the one forwarded by you to the Chairman, Municipal Council, Negapatam. His reply * is enclosed with the plan and extract from the proceedings of the councillors.

* No. 407, dated 19th February 1886.

From R. H. SHIPLEY, Esq., Chairman, Municipal Council, Negapatam, to the Master Attendant, Administrative Department, Madras, dated Negapatam, 19th February 1886, No. 407.

With reference to your letter, No. 808, dated 2nd February 1886, enclosing a rough plan on the proposed improvement to the port of Negapatam, I have the honor to forward herewith an extract from the proceedings of the municipal council, No. 32, dated 10th February 1886. The plan is returned.

EXTRACT from the Proceedings of the Municipal Council, Negapatam, dated 10th February 1886.

* * *

32. Read letter from the Master Attendant, Administrative Department, Madras, forwarding a rough plan of a proposed improvement to the port of Negapatam.

The plan is so incorrect that the council are unable to submit any criticism on the proposed improvement. The council fully endorse Captain Taylor's remark that much capital has been wasted in abortive plans. They deprecate most strongly any further taxation on account of the port, as the port dues are largely in excess of the legitimate annual expenditure.

* * * *

EXTRACT from the Inspection Notes of C. H. WILKS, Esq., Executive Engineer, Negapatam Division, for the 1st February 1886.

Negapatam Harbour Works.—Captain Denison having sent a circular with a rough plan of certain improvements to the port, I inspected the place. The proposals are chiefly old ones—(1) To continue the jetty wall up to the Railway compound; (2) to divert the river so that the deep channel shall be along the new wall, *i.e.*, on the east of the river, and this it is proposed to do by means of groynes. The first is a simple matter and can be definitely estimated for, the second is very doubtful. The river is so wide that the groynes must be of great length to act with any useful result, in which case, they would be liable to be washed away in any sudden land flood. The deposit is always on the town side, because the curve on the river helps it, and the drainage from the town is all on that side, forming shoals which will require constant dredging.

I should have expected that such an important suggestion would have come through the Superintending Engineer, and after the proposed action of the municipality, it seems best to wait till the works have been inspected by His Excellency the Governor. I can give no useful opinion in a hurried manner; probably a new plan and cross sections would be necessary before any scheme could be recommended.

ORDER—dated 3rd June 1886, No. 280, Marine.

The recommendations made in paragraph 1 of the foregoing report in reference to the port of Negapatam will be referred to the Collector of Tanjore for remarks. The Government await the report called for in G.O., 5th January 1886, Mis. No. 9, regarding the dredger. It is gathered that the Master Attendant does not advocate the extension of Act III of 1885 to the port for the present. The attention of the municipality will be drawn to the Master Attendant's remarks regarding the defective system of drainage.

2. With reference to paragraph 2 of his letter, the Master Attendant will report in due course the result of the examination by Mr. Phipps of the Steam Tug *Madras*, sanctioned in G.O. of the 4th March 1886, Mis. No. 115, and will also expedite the submission of the explanations from the Commander and Engineer of the *Madras*, called for in G.O. of the 9th April 1886, Mis. No. 172.

3. The Secretary of State for India has recently been addressed in reference to the dredger required for the Pámban Pass.

4. Separate orders have already been passed in connexion with the estimate submitted for the improvement of the Tuticorin Pier.

5. The Master Attendant will take the necessary steps for the exhibition of a light at Manapaud Point.

6. With reference to the embezzlement of Government money by the head clerk in the Cochin port office, the port officer will be required to exercise a closer supervision of the work of his subordinates, so as to prevent such embezzlements in future. A copy of the magisterial proceedings in the case should be submitted for the information of Government, together with a full report as to the nature and amount of the defalcations.

(True Extract.)

E. F. WEBSTER,
Chief Secretary.

To the Master Attendant, Madras.
 „ Collector of Tanjore.
 „ Revenue Department.
 „ Public Works Department.
 „ Financial (M.) Department.
 „ Accountant-General.

Exd. A. Raitt.

B W 1612 W d/24-6-86
Communicated to the
Supg: Engineer IV + VI Circles
for information in continuation
of G.O. No 1218 Wd/13th May/86
(Sigd.) J.S.S.
W

Govt. of (1886) Madras.

MARINE.

Issued

Recd. Encl.

G.O., 3rd June 1886, No. 280.

B W 1612 W d/24-6-86

JUNE.

Supg. Engr. IV C
Supg. Engr. VI C

Ports.

Passing orders on a report submitted by the Master Attendant of his inspection of the southern and some of the western ports of this presidency.

With order.

Current No. 3964

From
The Marine Dept

1060/X

No. 211 Enclos.— 2

Dated 17th May 1887

Received 25 — do —

SUBJECT.

Forwarding for disposal pla
& estimate (Rs 3700) for quarter
for the Supt. of the Light hous
to be constructed at Manapaud & stating that in th
opinion of the Marine Dept
the plan is on far too expensiv
a scale.

DISPOSAL.

No 1856 C Dated 3rd June 1887

Forwarded to the
Suptg. Engineer VI circle
in view to the submission
of a revised plan
& estimate in the
proper form.

2

[illegible] of [illegible]
the Marine Dept.
(By order)
(Sd) W. L. C. Baddeley
Capt R.E.
Dy. Chief Engr P. W. D.

Despd
4/6/87

13 11/3/6

No. 3094 C d/ 13-9-86
B. No. 1612 W - 24-6-86
" 1218 W - 13-5-86
" 2713 W - 13-11-85
No. 1065 C - 19-3-87

C. No. 3964

D.W.

1060

Subject to your approval the accompanying sketch plan and estimate for erecting Light House Superintendents' quarters at Manapaud, should before sanction be submitted to S.E. VI for approval & countersignature and for resubmission of the plan and the estimate in the usual form.

Is forward to S.E. and state that in the opinion of the Marine Dept. the plan is on far too expensive a scale.
Sd
27.5.87

27.5.87

to forward of

the Marin

(By

(Sd) W. L. C

Dy. Chief

D

B/3/

Nº 3094 C

B. Nº 1612 W

" 1218 W

" 2713

Nº 1065

P. W. DEPARTMENT.

Current No. 2200

From The Port officer
Madras.

1060/8

Enclos.—8
2 Tracings

No. 2068
Dated 10 March 87
Received 17 —

SUBJECT.

Forwg with remarks letter from the S. E. VI Circle subtg est & plan for the erection of a lighthouse at Manapaud in Tenkarai Taluk Tinnevelly Dt.

BH
19/3/87

DISPOSAL.

No. 1065 Dated 19th March 1887

Forwarded to the Supdg Engr VI Circle, in view to the plan & Estimate being completed accordingly.

(Sd) J. O. Hasted Col R.E.
Ch Engr P.W.D.

To S.E. VI Circle V.D.

Ed

19/2

9.86
„ 1612 W „ 24.6.86
„ 1218 W „ 13.5.86
„ 2713 W „ 13.11.85

1886.

P. W. DEPARTMENT.

Current No. 6924

10.60/G

From

The Marine Dept.

Enclos.— 2
(1 plan)

No. 482

Dated 27th August 1886

Received 6th Septr 1886.

Subject.

Light house at Manapaud

Transferring to the P. W. Dept. for examination & disposal, plan & estimate for a —, and forwarding the Indent to the Secretary of State—

W/1319

Disposal.

No. 3094 Dated 13th Septr 1886

Forwarded to the Supdg: Engineer VI Circle, for counter-signature, if approved, and return.

(By Order)

(Sd) D. Mc. Campbell, Major R.E.
Dy. Chief Engnr P. W. Dept

To S.E. VI Circle [illegible]
Encs: 14.9.86

- - 1218 W - 13-5-88
- - 2713 W - 13-11-88

C. No. 6924

1060/10

D.W.

Subject to your approval the accompanying plans and estimate for constructing a lighthouse at Mariapaud should, before sanction, be submitted to S.E.VI. for his countersignature in the event of his approving them.

BH
8/9/86

Yes
8/9/86

Endorsement sent up for D.W.'s signature

8/9/88

10 6/11

×

1. C. Engr's Endt No $\frac{1065C}{19-3-87}$

1 S. Engr's report.

1 abstract Estm

1 Detd Estm

1 Exe. Engr's report

1. C. Engr's No $\frac{3094C}{13-9-86}$

1. approximate Estm

2. Plans.

N
No 44.

From
Lt. Col. J. Penn
~~The~~ Superintending Engine
Trichin

To
The Port Officer
Madras.

PORT OFFICE
27 JUN. 87
MADR

Station Kodaikanal

Dated 22d June 1887.

Despd. 24:

Enclosures. 8 ×

Sir,

With reference to the Endorsement No. 1065C dated 19th March/87 of the Chief Engineer P.W.D on your letter No. 2068 of 10th March to his address, I have the honor to state that on examination of the plan of the Lantern and Column of the Light House at Cannanore I consider that the space allowed, viz, 11 ft square on the top of the building is amply sufficient

ent for the light apparatus and I the
return the papers which accompanied
ur letter under reference for submission
to Government for their sanction.

I have the honor to be
Sir
Your most obedient servant.

Supg. Engineer, Circle_

27th August 1886, No 80, Marine.

1060/12

GOVERNMENT OF MADRAS.

MARINE DEPARTMENT.

Read—the following paper :—

From T. E. MARSHALL, Esq., Acting Port Officer, Madras, to the Chief Secretary to Government, dated Madras, 9th August 1886, No. 7568.

In obedience to the instructions conveyed in paragraph 5 of G.O., Marine, No. 280, dated 3rd June last, I have the honor to submit the accompanying plan and estimate for erecting a lighthouse at Manapaud, the cost of which will be Rs. (999-8-9) nine hundred and ninety-nine, annas eight, and pies nine, for approval and sanction. The work will be carried out by the Port Officer, Tuticorin. I also forward an indent for a sixth order red dioptric light to be fixed to the above lighthouse. I would respectfully suggest that the particular attention of the India Office be drawn to the inexpensive character of the light required, in order to avoid a recurrence of the mistake made in supplying the light for the Madras Pier in 1884—*vide* correspondence ending with this office letter, No. 9642, dated 14th Nov ber 1885.

Order—dated 27th August 1886, No. 480, Mar

The plan and estimate for a lighthouse at Manapaud will be transferred to the Public Works Department for examination and disposal. If necessary, a fresh plan and estimate should be prepared.

2. The indent will be forwarded to the Secretary of State for India.

(True Extract.)

Chief Secretary.

To the Port Officer, Madras.
„ Collector of Tinnevelly.
„ Accountant-General.
„ Public Works Department, with plan and estimate.

xd. T. O'Connor.

5C. 528 – N.
B. No 1612 W. 24. 6. 86
" 2713 W. 13. 11. 85
" 1218 W. 13. 5. 86.

No 3094 C of 13th Septr 1886.

Forwarded to the Supdtg. Engineer VI Circle, for counter-signature, if approved, and return.

(By order)

D. Mc Campbell, Major R.E.
Dy. Chief Engr. P.W.D.

To S.E. VI Circle.

Jd.
10/9/86

O.Y.S. 44/17.

EXECUTIVE ENGINEER
1/1960
SEP. 86
P. W. D.
TINNEVELLY

Govt. of {1886} Madras.

MARINE.

EXECUTIVE ENGINEER
No. 3/2257
OCT. 86
TINNEVELLY

1/560 28/86
13 C

3/988 28/87

SUPERINTENDING ENGINEER
21 MAR 87
6th CIRCLE

SUPERINTENDING ENGINEER
4 OCT 86
6th CIRCLE

Issued

Recd. 8/9/86

Encl. 2

G.O., 27th August 1886, No. 480.

AUGUST.

814
7/9/86

Lighthouse at Manapaud.

Transferring to the Public Works Department, for examination and disposal, plan and estimate for a —, and forwarding the indent to the Secretary of State.

No 5 7th/87

With Endorsement

1060
13

O. 17.8.87 R. 22.8.87

2157 W

Public Works Department.

Current No. 6150

Letter No.

Dated the 6th August 187

From the Secry. to Govt. Marine Dept.

NOTE OF REMARKS.

1. With reference to Chief Engrs endorsement No 3094 C of 13th September 1886 on G.O. No 480 of 27th August 1886 Marine, the accompanying fresh plan and estimate amounting to Rupees 1,300 have been forwarded and provide for constructing the Light House at Manapaud in the Tinnevelly District.

2. The site selected is a small hill, the height of which is 200 ft above the sea, the height of the Vane is 220 ft above the sea.

3. The height from the ground to the top of the Light House is 20 ft.

4. The accommodation provided

provided in the plan is said to be sufficient for keeping stores and light keeper's quarters.

5. The foundation is to rest on concrete 1½ ft deep. The foundation, basement, & superstructure are to be built of sandstone in mortar, except the backing of joists of large & small rooms, cornice work, flat & circular archwork are to be built of brick in mortar.

6. Inside of the building is to be plastered with chunam & outside with Portland cement.

7. Roofing to lower & upper stories of the light-house are to be of terracing with brick on edge, 2 coats of flat tiles & 3 coats of plaster.

8. Flooring of the rooms are to be of concrete & cement.

9. Wood work is to be of
teak

-1060/14

teak and the scantlings of timbers are correct.

10. Ladder is to be of wrought iron.

11. Report is submitted.

12. The rates are fair except a few which are in excess of the rates provided in the District Schedule of /85 and the cause for which is due to long distances from which the materials are to be brought.

13. Contingencies including cart hire & petty supervision are charged separately at about 6 percent.

14. The plan and estimate have been countersigned by the Ag. Port Officer and approved in the Marine Department.

10.8.87.

The plan & estimate may be sanctioned
11.8.87

B

1060 W

Public Works Department.

1060/34
13

Current No. 2843

Letter No. Nil

Dated 22nd March 1858

From the Secy: to Govt: Marine deptt.

Sanction Recd 27.3.58

B

NOTE OF REMARKS.

The estimate under review provides for Constructing a Light Keepers Quarters at Manapad in the Tinnevelly District.

The amount of this Est: is — Rs 3,000
P.W. Supervision,
Tools and plant
at 24½ per cent — 735

Total Est: Rs. 3,735

The Estimate was called for in Chief Engineer's Endorsement on G. O. No 211 d/ 17th May 1857

The accommodation provided is a bed room [illegible] dinin[illegible] room [illegible]ch 12 x

O 11/3

with an eight feet
verandah all round,
the verandah at the
back is to be enclosed
so as to form a Bath
room & Pantry each
6'-6" × 13'. This accom-
modation has been
provided on the
assumption that
the building is
to be occupied by
a European or Eurasian
The subsidiary building
consists of 3 rooms
in one block each
room measuring
10' × 12' and will
be utilised as
Cook room, Store room,
and Servants room.
The foundations
of the main and
subsidiary building
are to be 2 feet deep
2'6" wide
resting on 6" of con-
6" in [illegible] – The
[illegible] whe

Coarse Sand Stone.
The foundations,
basement and super-
structure of the main
and subsidiary building
are to be built of
Sandstone in mortar
and plastered with
2 Coats of Chunam
and white washed
inside and plastered
with Portland cement
outside.
The flooring of
the main building
is to be of Portland
Cement laid on
Concrete and that
of the subsidiary
building is to
be of sand stone
over 3" of concrete
The roofing of
the main building

will consist of palmyra couples, reepers raised and Mangalore tiles. The subsidiary building will be roofed similarly with palmyra couples & Mangalore tiles. The roof timbers are to be tarred. The bressummers wall plates &c are to be of teak.

The Estimate has been countersigned by the Post Office and approved by Govt: in the Marine Depts:—

CiP
24/3/88

D 25/3

1060
2
17

G. O. 2252 W. 22. 8. 87
No 1856 C. 3. 6. 87
" 1065 C. 19. 3. 87
" 3094 C. 13. 9. 86
S. No 1218 W. 13. 5. 86
" 1612 W. 24. 6. 86
" 2713 W. 13. 11. 85

Communicated to the S. E. VI circle & the Examiner of P. W. Accts with reference to G. O. No 2252 W dated 22nd August 1887.

16. 9. 87

24/9

The S. E. VI circle
" Exr. of P. W. Accts

e. 16. 9. 87.

P. W. C. No 7725

[6]

Govt. of {188 } Madras.

(4)

To

The P W D

15. 9. 87

Proceedings, dated 8/ 9/ 1887.
No. 983

Subject.

Requesting Acct General to place the sum of Rs 1619 at the disposal of P W Dept from Port funds for construct[illegible] a light house at Manapaud.

12678

With order

No 751 T N.

PORT OFFICE
MADRAS

1060

219

Report by the Superintending Enginee
6th Circle on the Estimate for Construct
the Light keepers quarters at Manapad
in Tenkarai Taluq, Tinnevelly Distric

Rs. —— 3,000

Enclo: 4
1 Estimate
1 Site Plan
1. Plan
1 C E Memo
No $\frac{1856 C}{3.6.87}$.

The Estimate was called for in
Chief Engineer's Endorsement No 1856 C
dated 3rd June 1887 on the G O No 211 of
17th May 1887 (Marine) and is prepa
on the assumption that a married Eu-
-ropean or Eurasian will be appointed or ~~Eurasian~~
to the Charge of the Light house.

2 The site being an open bare
hillock, without trees or other shel
a Verandah is indispensable. The
rooms provided are 2 only instead of
3 as shown in the Port officer's Sketc

3 Outhouses consisting of three
rooms Viz Cookroom, 2 for Lascars stores a
are, also Estimated for.

4 The soil at site being coarse sand-stone, the depth of the foundation allo
-ed namely 6 inches Concrete and 2 fe

Masonry

masonry is ample. The site is stated to be the Government Property hence no compensation is allowed.

5 The Public Works supervision and Tools and Plant at 24 1/2 per cent amounts to Rs 735, the total amount of the sanction required from Port Fund is therefore Rs 3735. —

6 The rates are fair considering the distance the materials are to be carried and the Estimate is forwarded for sanction through the Port Officer Madras.

J. W. Rundall
Superintending Engineer 6th Circle

Chinnamanore
26th January 1888
D 31/1

1060
28
19

No $\frac{E}{7}$ of 1888

From

The Supdt. Engineer
6 circle.

Thro'
The Port Officer
Madras.

E.6

No 751/TR.

Dated 26 } January } 88
D 31 }
Recd 2 } February /88.

Recd 2/2/88.

Encl: 4.

Light keepers Quarters
at Manapad:—

Forwards for sanction
an Estimate for constructing
the —

Recd 12/8/88
6

Marine Department.

CHIEF SECRETARIAT, MADRAS.

1060/28

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following ~~paper~~

Letter from the Port Officer, Madras, dated 2nd May 1887, No, 3,804, forwarding plan and estimate amounting to Rupees (3700) three thousand & seven hundred for quarters for the Superintendent of the lighthouse to be constructed at Manapand and requesting early orders.

Order, 17th May 1887, No 211.

The plan and estimate will be forwarded to the Public Works Department for examination and disposal, in continuation of G. O. dated 27th August 1886, No 480, Marine.

2. In the opinion of this Department this plan is on far too expensive a scale.

(True Extract)

H. E. Stokes
Ag Chief Secretary

To

The P. W. D. with plan & Estimate
" Acct. General
" Port Officer.

10.6°
2 f

no 3094C d/ 13.9.86
B no 1612W " 24.6.86
" 1218W " 13.5.86
" 2713W " 13.11.85
no 1065C " 14.3.87.

G/265 W/8

R. W. Dept.
To be returned with reply.

SUPERINTENDING ENGINEER
6 JUN 87

No. 1856C d/ 3rd June 1887

Forwarded to the Supdg. Engineer VI circle in view to the submission of a revised plan & estimate in the proper form.

2. Attention is invited to para 2 of the G.O. in the Marine Department.

(By order)

W Saunders Capt R.E.
Dy. Chief Engineer P.W.D.

1/6/87

a. 27-5-87 3.6.87

---

[6] P.W.C. No. 3964

Govt. of {188 } Madras.

EXECUTIVE ENGR.
No. 1/1012
16/6/87
P.W.D.
TINNEVELLY

To
The S.E. VI
2/1086/88

Ry 25.5.87

Ent 2

Proceedings, dated 17/5/ 188
No. 211

Subject.

Regarding quarters for the Superintt of the Manapaud Light house

Mar 12/8/88

From
W. V. Baker Esqre
Asst. Engr. Tenkarai Sub Dn.

To
The Executive Engineer
Tinnevelly Division
Camp, Nazareth.
Dated 12th November 1887

No. 355

Enclo = 10

Sir.

With reference to your endorsement No. 137/16.4.87 and the enclosure to your No. 1000/28.6.87, I have the honor to submit for your approval a plan and estimate amounting to Rs. 3000 for constructing a light-house keepers quarters at Manapad

I have restricted the accommodation to actual requirements for a European, assuming that he is a married man The verandah could not well be omitted as the site is a bare hill with neither tree, bush or blade of grass growing on its surface, the heat and glare of which during the hot months will be very trying to the occupants of the building even with a verandah and checks to subdue them.

I have allowed for all the work being of a substantial nature, and Mangalore tiles are to be used as not likely to be blown off in stormy weather. As the outhouses necessary are to cost Rs 804 I could not see my way to reducing the total estimate lower than Rs 3000.

I have &c

(Sigd) W. V. Baker
Asst. Engineer

(True copy)

A. S. Russell
Ex. Eng.
11-1-88

P.S.

This Estimate is prepared with reference to Supg Engineer's Memorandum No 169 TN, dated 11 June, 1887, forwarding the Chief Engineer's Endorsement No 1060 C dated 3d June, 1887, on G. O. No 211 dated 17 May, 1887, in the Marine Department.

2. A plan of the Light ~~House~~ Keepers quarters and a site plan ~~are~~ accompany~~ing~~ the Estimate.

3. Attention has been paid to para 2 of the G. O. above quoted, and the amount of accommodation has been restricted to suit a married European Superintt. A copy of Mr Baker's letter No 355, dated 12th November, 1887, is attached herewith for information. I agree with him that nothing but what there is necessary has been provided & that the cost cannot well be decreased, looking to the fact that the quarters are to be built in a very bleak, bare, and remonte locality.—

A. S. Russell
Executive Engineer
11-1-88

22nd August 1887, No. 2252 W., Public Works.

1060/24

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From J. H. TAYLOR, Esq., Port Officer, Madras, to the Chief Engineer, Public Works Department, dated Madras, 10th March 1887, No. 2068.

I have the honor to forward a letter from the Superintending Engineer, VI Circle, No. 521 T.N., dated 19th February last, forwarding estimate and plan for the erection of a light-house at Manapaud, and, with reference to his remarks as to the want of the design of the light apparatus for the purpose of fixing the dimensions of the top, to state that the light indented for to England is a sixth order light, similar to those at Cannanore and Tellicherry. A plan of the lantern and column of either of those light-houses will be a safe guide to enable him to complete his plan of the top, and I would suggest that he be instructed to place himself in communication with the Executive Engineer, West Coast, on the subject.

Memorandum to the Superintending Engineer, VI Circle, dated 19th March 1887, No. 1065 C.

From T. E. MARSHALL, Esq., Acting Port Officer, Madras, to the Chief Secretary to Government, dated Madras, 1st July 1887, No. 5639.

I have the honor to forward the papers, as per margin, relating to the construction of the Manapaud light-house.

1. Estimate from Port Officer, Tuticorin, dated 27th July 1886, for Rs. 999-8-0.
2. G.O. No. 480, Marine, 27th August 1886.
3. Report to accompany estimate from the Executive Engineer, Tinnevelly division, dated 14th February 1887.
4. Estimate from the Executive Engineer, Tinnevelly division, amounting to Rs. 1,300, dated 14th February 1887.
5. Report of Executive Engineer, in charge of VI Circle, dated 19th February 1887.
6. Letter from Port Officer, Madras, No. 2068, dated 10th March 1887.
7. Letter from Superintending Engineer, VI Circle, No. 20 T.N., dated 22nd June 1887.

2. In G.O., No. 480, Marine, dated 27th August 1886, the plan and estimate, amounting to Rs. 999-8-0, submitted by the Port Officer, Tuticorin, was transferred to the Public Works Department for examination and disposal, if necessary a fresh plan and estimate being prepared. This was followed by an estimate from the Executive Engineer, Tinnevelly division, amounting to Rs. 1,300, and the Executive Engineer of the VI Circle in reporting thereon observed that, subject to correction as regards height and size of top of light-house, as there was no design for the light apparatus available, the estimate was recommended for sanction. The papers having been referred to the Port Officer, Madras, he informed the Chief Engineer, Public Works Department, that the light apparatus intended for the Manapaud light-house was a sixth order light, similar to those at Cannanore and Tellicherry, and suggested that a plan of the lantern and column of either of them should be obtained as a guide for completing the plan of the top of the Manapaud light-house.

This department has just received a letter from the Superintending Engineer, VI Circle (herewith sent), in which he writes as follows:—

> "On examination of the plan of the lantern and column of the light-house at Cannanore, I consider that the space allowed, viz., 11 feet square, on the top of the building is amply sufficient for the light apparatus, and I therefore return the papers, which accompanied your letter under reference, for submission to Government for sanction."

3. The light apparatus has arrived from England and is now in charge of the Port Officer, Tuticorin. It is very desirable that the light-house should be erected as soon as possible, and I solicit therefore that the necessary sanction may be granted for the early execution of the work, which will form a charge against Port Fund, Tuticorin.

From the Port Officer, Madras, dated 15th July 1887, No. 6338.

Approved and transferred to the Public Works Department.

(By Order.)

(Signed) W. S. MEYER,
Ag. Asst. Secy., Marine Dept.

OOTACAMUND,
6th August 1887.

22nd August 1887, No. 2252 W., Public Works.

ORDER—dated 22nd August 1887, No. 2252 W., Public Works.

The estimate, amounting to Rs. 1,300, for constructing a light-house at Manapaud, in the Tinnevelly district, is sanctioned.

2. The question of providing funds required for the work, as shown in the margin, will be considered in the Financial Department.

	RS.
Works	1,300
Establishment	299
Tools and plant	20
Total ...	1,619

3. The sanction accorded in paragraph 1 of these proceedings has been registered as Excluded, Local, No. 23 W. of 1887-88, and classified as Miscellaneous Public Improvements, Original Works.

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, VI Circle, with six enclosures.
„ Examiner, Public Works Accounts, with the estimate for note and return to Superintending Engineer, VI Circle.
„ Marine Department.
„ Financial Department.
„ Newspapers.

Exd. J. Moses.
Spare Copies

1068/25

Order in the Financial Department 8th September 1887 No. 983

The Accountant General will place the sum of (Rs 1619) one thousand six hundred and nineteen at the disposal of the Public Works Department from Port Funds.

(True Extract)

H. E. Stokes
Ag. Chief Secretary

To
The Accountant General
" Public Works Department.
" Master Attendant thro' Marine Department.

x d. l. G. N.

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of (1887) Madra

PUBLIC WORKS.

Dated August, 22nd.

Recd. En

G.O., 22nd Aug. 1887, No. 2252

AUGUST.

Light-house at Manapaud

Estimate for constructing a —, i
Tinnevelly district, sanctioned.

Administrative Department.

MADRAS,
Marine Office,
10th March 1887.
Despd 16 — " —

No. 2068.

1060
28

From
~~THE MASTER ATTENDANT,~~ Port Officer,
ADMINISTRATIVE DEPARTMENT,
Madras.

To
The Chief Engineer,
Department Public Works,
Chepâk

SIR,

I have the honor to forward a letter from the Superintending Engineer, 6th Circle, No. 521 TN, dated February 19th last, forwarding estimate and plan for the erection of a lighthouse at Manapaud, and with reference to his remarks as to the want of the design of the light apparatus for the purpose of fixing the dimensions of the top, to state that the light indented for to England, is a 6th order light similar to those at Cannanore and Tellicherry. A plan of the lantern and column of either of those lighthouses will be a safe guide to enable him to complete his plan of the top, and I would suggest that he be instructed to place himself in communication with the Executive Engineer, West Coast, on the subject.

I have the honor to be
Sir,
Your Most Obedient Servant
W. Taylor
Port Officer.

JM

1060
27

From

THE MASTER ATTENDANT,
ADMINISTRATIVE DEPARTMENT,
Madras,

To

THE

Dated }
Received } 188 .

No.

SUPERINTENDING ENGINEER
21 MAR 87
VI CIRCLE

8

P.W.C. No ~~2200~~

No 1065 C of 19th March 1887

Forwarded to the Supdg Engineer VI Circle, in view to the plan & Estimate being completed accordingly.

Col. R.E.
Chief Engr P.W.D.

15.3.87

From
The Port Officer
Madras.

Dated 10
Despd 16
Recd 17 } March 87

Encs: 8
(+2 tracings)

No. 2068.

Forwards with remarks letter, plan, Estimate &c received from the Superintending Engineer, 6th Circle, in connection with the proposed Light at Manpad

Endorsed Mar 574/87
4

CURRENT NO. 574

Administrative Department.

No. 5639.

MADRAS,
Port Office,
1st July 1887.

1660

From
J. C. Marshall Esqre
Acting Port Officer,
Madras,

To
The Honorable H. E. Stokes,
Acting Chief Secretary to Government,
Marine Department,
Fort St. George.

SIR,

I have the honor to forward the papers as per margin, relating to the construction of the Manapaud lighthouse.

2. In G O No 480 — Marine, dated 27th August 1886, the plan and estimate amounting to Rupees (999-8-0) nine hundred and ninety nine and annas eight, submitted by the Port Officer, Tuticorin, was transferred to the Public Works Department for examination and disposal, if necessary a fresh plan and estimate being prepared. This was followed by an estimate from the Executive

1 Estimate from Port Officer, Tuticorin, dated 27th July 1886 for Rs 999-8-0
2 GO No 480 Marine August 27th 1886.
3 Report to accompany estimate from the Executive Engineer, Tinnevelly Division, dated February 14th 1887.
4 Estimate from the Executive Engineer, Tinnevelly Division, amounting to Rupees 1300, dated 14th February 1887
5 Report of Executive Engineer in charge of 6th Circle dated 19th February 1887.
6 Letter from Port Officer, Madras, No 2068, dated 10th March 1887.
7. Do from Superintending Engineer, 6th Circle, No. 20 T N, dated June 22d 1887.

ecutive Engineer, Tinnevelly Division, amounting to Rupees (1300) one thousand and three hundred, and the Executive Engineer of the 6th Circle in reporting thereon observed that, subject to correction as regards height and size of top of lighthouse, as there was no design for the light apparatus available, the estimate was recommended for sanction. The papers having been referred to the Port Officer, Madras, he informed the Chief Engineer D.P.W. that the light apparatus intended for the Manapaud Lighthouse was a 6th order light similar to those at Cannanore and Tellicherry, and suggested that a plan of the lantern and column of either of them should be obtained as a guide for completing the plan of the top of the Manapaud Lighthouse. This Department has just received a letter from the Superintending Engineer, 6th Circle, (herewith sent) in which he writes as follows- "on examination of the plan of the lantern and column of the lighthouse at Cannanore, I consider that the space allowed, viz 11 feet square, on the top of the building is amply sufficient for the light apparatus, and I therefore return the papers, which accompanied your letter under reference, for submission to Government for sanction."

3. The light apparatus has arrived from England and is now in charge of the Port Officer, Tuticorin. It is very desirable that the lighthouse should be erected as soon as possible, and I solicit therefore that the necessary sanction may be granted for the early execution of the work, which will form a charge against Port Fund, Tuticorin.

I have the honor to be

Sir,

Your Most Obedient Servant

Acting Port Officer.

1060
~~28~~ 29

NM

1060
39

p 211 – 17 – 8 – 87
b 110 – 21 – 2 – 87
b 4810 – 27 – 11 – 86
b 210 – 3 – 6 – 86

Ootacamund
12th July 1887.

Returned to the Port Officer Madras on view to his counter-signing the plans & Estimate as required by G.O. 16 June 1887, No. 834 Public

(By order)
W. S. Meyer
Ag. Asst. Secretary.

CURRENT NO. 574

Marine (1887) Department.

From
The Port Officer,
Madras,

To
The Chief Secy. to Government,
Marine Department,
Fort St. George.

No. 5639.

Dated 1 July 1887.
Received 6 July

Subject.

Forwards correspondence relating to the construction of the Manapaud Light-house and requests early sanction to the work being carried out.

Administrative Department.

CURRENT NO. 621

No. 6338.

Madras,
Port Office,
15th July 1887.

1060/3

From
T. E. Marshall Esqr.,
Acting Port Officer,
Madras,

To
The Honorable H. E. Stokes,
Acting Chief Secretary to Government,
Marine Department,
Fort St. George.

Sir,

In obedience to endorsement dated 12th instant, on this office letter No. 5639, dated 1st idem, I have the honor to resubmit the papers returned, with the plan and estimate recommended duly countersigned.

I have the honor to be,
Sir,
Your most obedient Servant,
T. E. Marshall
Ag: Port Officer

Pr. Ms. 1612 W. 24. 6. 86.
Ms. 1065 C. 19. 3. 87.
" 3094 C. 13. 9. 86
" 1856 C. 3. 6. 87
1218 W – 13 – 5 – 86
2490 W – 22 – 10 – 85

Oof[illegible]nd
[illegible]/87

CURRENT NO. ~~[illegible]~~ P.W.C. No. 6150

~~Marine~~ (1887) DEPARTMENT.

From

THE PORT OFFICER,
Madras,

R 8. 8. 87

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

Approved and transfd
to the P. W. Dept.
By order
[illegible]
of Asst. Secy.

No. 6338.

Dated 15th July 1887.
Received

No. 5714 with Enc. which 2 Plans.

E. 12
(+ 2 Plans)

Subject.

Resubmitting correspondence relating to the construction of the Manapad Lighthouse with the Plan and Estimate duly countersigned.

2 the P. W. D.
Copy to Port Offr. Madras
Acct. Genl.

1060

PUBLIC WORKS DEPARTMENT.

No. 2252 W

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 22d August/87

READ the following

From the Port Officer, Madras H. E. No: 2068 d/ 10th March 1887.
Memo to the Supdg. Engr. VI Circle No: 1065 C d/ 19th March 1887
From the Port Officer, Madras H. E. No: 5639 d/ 1st July 1887
From the Port Officer, Madras. H. E. No: 6338 d/ 15th July 1887
Endorsement by the Marine Department d/ 6th August 1887.

The estimate amounting to Rs. 1,300, for constructing a Light House at Manapaud in the Tinnevelly District is sanctioned.

2. The question of providing funds required for the work, as shown in the margin*, will be considered in the Financial Department.

*		
Works	Rs.	1,300
Establishment	"	299
Tools and Plant	"	20
Total	Rs.	1,619

3. The sanction accorded in para 1 of these Proceedings has been registered as Excluded Local No: 23 W of 1887-88, and classified as Miscellaneous Public Improvements, Original Works.

17. 8. 87

Jo. 18/8/87

H.C.S.

To
The Supdg. Engr. VI Circle with 5 enclos.
" Examiner of P. W. Accts with the estimate for note & return to S. E. VI
" Marine Department
" Financial Department
News papers.

(To The Chief Secy for favor of counter-initials)

W/1618

1660
343

6150

Govt. of (1887) Madras
PUBLIC WORKS

24/8/88

12/8/ No. 2257

Lighthouse at Manapa

Estimate for construct
a — in the Tinnevelly
District sanctioned

Administrative Department.

No. 9/62

1060

33

Madras,
Port Office,
15th February 1888.

From
Captain H. A. Street H. M's I. M.
Port Officer,
Madras,

To
The Honorable H. C. Stokes,
Chief Secretary to Government,
Marine Department,
Fort St. George.

Sir,

Report of the Superintending Engineer 6th Circle, dated 26th January 1888
Report of Mr Baker Asstt Engineer dated 12th November 1887
Memo of Mr Russel Executive Engineer dated 11 Jany 88 + 1 enc
1 Estimate for Rs 3735
1 Site Plan and 1 Plan
Chief Engineer's Memo No 1856 C of 3rd June 1887 and 2 Enclosures

With reference to G. O. Marine, No 211 of 17th May 1887, I have the honor to forward the papers as per margin received from the Superintending Engineer 6th Circle, including an Estimate of Rupees 3735 — three thousand seven hundred and thirty five for erecting lightkeepers quarters for the proposed lighthouse at Manapad, which is approved.

2. It will be observed that the Estimate

Estimate is Rupees (35) thirty five in excess of the one furnished by the Port Officer, Tuticorin, but it includes Rupees (735) Seven hundred and thirty five for Public Works Supervision and Tools and Plant, and provides also for a Verandah which the Department Public Works considers indispensable as the site is an open bare hillock without trees or shelter of any kind, and with this view I agree.

I beg therefore that the revised Estimate may be sanctioned and the necessary allotment made from Port Funds.

I have the honor to be
Sir
Your Obedient Servant
H A Street
Captain H. M. I. N.
Port Officer

1060/36

L.L. 1747.87
L. 211 - 17 - 5 - 87

PWC No: 28[illegible]

CURRENT NO. 120

~~Marine (1888)~~ Department.

From

THE PORT OFFICER,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 4/62

Dated 20th } February 1888.
Received 23 }

Approved & transferred to the Public Works Department.

By order.

[illegible]
Asst Secy. to Govt.

No. Ex: 12
(+3 plans
+ [illegible])

Subject.

Forwarding the papers received from the Superintending Engineer 6th Circle with an Estimate for Rs 3735 for erecting light keepers quarters for the proposed Lighthouse at Manapad and requesting that the Estimate may be sanctioned.

Desp 11/3

4. 75 42 W 24 - 4 - 87
2252 W 22 - 8 - 87
1506 C - 3 - 11 - 87
1063 C 15 - 5 - 87
3094 C - 13 - 9 - 86
1012 W - 11 - 3 - 86

O.L. 4/W - Cl. 11/4.
Hwo 6/4
w. 7.4.88

B & R
Works
PUBLIC WORKS DEPARTMENT.

P. 1060 W

X / [illegible]

31

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the 7th April 18

1060 / 37

READ the following

From the Port Officer Madras, H. E. No: 4/62 d/ 15th February 1888.
Endorsement by the Marine Deptt. H. E. No:– d/ 22nd March 1888.

* Works		Rs 3,000.
Establishment	..	690
Tools and Plant	..	45
	Total	Rs. 3,735

The estimate amounting to Rs. 3,000, for constructing quarters for the Light Keeper at Manapad in the Tinnevelly District, is sanctioned.

2. The question of providing funds for the work as shown in the margin* will be considered in the Financial Department.

3. This sanction has been registered as Excluded Local No: 1 W of 1887-8 and classified as Miscellaneous Public Improvements, Original Works.

28.3.88

30/3/88

Desp 11/4 W

To

The Supdg. Engr. VI Circle with 7 enclos.
" Examiner of P. W. Accts with the duplicate general abstract estimate
" Financial Department
" Marine Department.

(To The Chief Secy for favor of counter-initials)

[illegible] 28/3

1060
~~38~~ 38

Govt. of 1888 Madras.

PUBLIC WORKS.

10/4/88

32

G.O. 9 apl 1888 No. 1060 W

Light House keeper at Manapad

=

Estimate for constructing quarters for the — in the Tinnevelly District, sanctioned.