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MADRAS RECORD OFFICE.

Government of Madras.

Marine DEPARTMENT.

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Not to be folded or roughly handled

Proceedings of the Madras Government, Marine Department,
28th September 1861.

No. 68. Read the following letter from C. PELLY, Esq., Member of the Board of Revenue; to J. D. SIM, Esq., Secretary to Government, Revenue Department, dated 12th July 1861, No. 993.

In another letter No. 992, of this date, I have submitted a report on the revision of the Sea Customs establishment. In this letter I propose to lay before Government the establishment which, as revised, seems to be suitable for the Marine Department at the out ports. The opinions of the Collectors have been taken, and also that of Mr. Franklin, the Superintendent of Marine. To this gentleman I am particularly indebted for the careful consideration he has given to the subject, and for the great assistance I have received from him in framing the establishment in the Marine Department, which I now beg to recommend. I may say that I have in almost every instance adopted the views of Mr. Franklin, whose experience in the Department is particularly valuable in aiding me. It will be seen from one of the enclosures that in every instance, in which I had doubt, I referred again to this gentleman for his opinion, and in each case he has favored me with it.

Enclosure 1. Memo. forwarded to Mr. Franklin with letter dated 14th June 1861, No. 933, with Mr. Franklin's notes appended to it.

2. *Master Attendants.*—There are at present 7 Master Attendants. The Collector of Ganjam has recommended strongly that a Master Attendant be appointed at Munsoorcottah, and an Assistant Master Attendant at Calingapatam. The trade of Ganjam Port has lately increased very much, and the Collector would probably under these circumstances prefer having the Master Attendant he asks for, located at Ganjam instead of at Munsoorcottah. But Mr. Franklin does not consider it necessary that a Master Attendant should be appointed at any of these Ports at present, and would invest the Superintendent of Sea Customs with the powers of Conservator, and allow him 30 Rupees extra for this duty.

See Proceedings of Government dated 11th June 1861, No. 197, Marine Department.

3. The Collector of Vizagapatam recommends that the Master Attendant now employed at Vizagapatam, with control also over the Port of Bimlipatam, should be transferred to the latter Port, which is a place of greater shipping importance, and that a separate Assistant be given to Vizagapatam, the salaries of each being 350 Rupees, and 150 Rupees respectively. The Superintendent of Marine concurs in the propriety of removing the Master Attendant to Bimlipatam on his present pay, viz., 200 Rupees, and having a Conservator on Rupees 125 at Vizagapatam. This would be a distinct office from that of the Sea Customs Superintendent who will receive Rupees 85 per month as Superintendent of Customs, if my scale is adopted.

Note.—As he is to be a separate Conservator I would designate him as Master Attendant to distingnish him from the other Conservators who are also Superintendents of Sea Customs.

4. The time of the Superintendent of Customs at Ports where there is a very large trade will, I apprehend, be so much occupied by his own proper duties, that he will not be able to do justice to the duties required of him as Conservator of the Port also. It is probable that the Superintendent of Marine has been influenced by the low state of the Port Funds in not recommending a Master Attendant for the Ports in the Ganjam Collectorate. I am disposed to support the Collector's recommendation that a Master Attendant should be allowed for Ganjam, who could also take charge of the Munsoorcottah Port. But for Calingapatam the Sea Custom Superintendent might, as recommended by Mr. Franklin, be the Conservator. But pending the orders of Government, I have added to the list of establishment Rupees 30 only for each of the three Ports as a Marine charge payable to the Superintendent of Customs at Ganjam, Munsoorcottah and Calingapatam, for performing the duties of Conservator at those Ports.

5. *Conservators.*—The Government were inclined* to think that Master Attendants might be needed at Mangalore, and Coompta, and even at Cuddalore, and Porto Novo, and some other places. But the Collectors and the Superintendent of Marine think that Conservators alone are needed; and accordingly I have provided in my establishment for Conservators at 10 Ports, including the 3 Ports in the Ganjam District. Their duties will be performed by the

* Order of Government, dated 16th June 1860, No. 1000, paragraphs 7 & 8.

Superintendent of Customs, who will receive an extra sum of 30 Rupees in addition to their allowances as Superintendent of Customs, as below :

No.	Port.	Salary. Customs Salary.	Marine Conservators allowance.	Total.
		Rs.	Rs.	Rs.
1	Ganjam	100	30	130
2	Munsoorcotah	85	30	115
3	Calingapatam	70	30	100
4	Bimlipatam	100	30	130
5	Coringa	70	30	100
6	Cuddalore	70	30	100
7	Tranquebar	90	30	120
8	Mangalore	100	30	130
9	Cannanore	70	30	100
10	Tellicherry	70	30	100

Besides the above, Mr. Franklin proposes that the Head Pilot at Paumben who belongs to the Marine Department be appointed as Conservator, and that an additional allowance of 30 Rupees be allowed him.

6. *Master Attendants Salary.*—The question of the salary to be allowed the Master Attendant has been before me. Their present allowances are very small, and Mr. Franklin would increase them, when the Port Funds allow of the increase. As however my scheme is based rather on the principle of what the salaries should be, than on what the Port Funds may admit of, though of course financial considerations have not been lost sight of, I would beg to recommend for the consideration of Government the salaries suggested by the Superintendent of Marine, which are however still, in my opinion, small for the class of men who are required for that work. Mr. Franklin's scale would, including the pay of the new Master Attendant at Vizagapatam, be an additional expense above the present cost of 390 Rupees.

7. Scale of salaries for the Master Attendants.

No.	Port.	Present Salary.	Proposed by the Superintendent of Marine.	Increase.	Decrease.	
		Rs.	Rs.	Rs.	Rs.	
1	Bimlipatam	...	200	200	...	Vigagapatam Master Attendant is to be transferred to Bimlipatam and one on smaller pay to be given for Vizagapatam.
1	Vizagapatam	200	125	...	75	
1	Cocanada	350	350	...	...	
1	Masulipatam	200	125	...	75	See remarks in letter below.
1	Negapatam	105	125	20	...	* The Board of Revenue have lately recommended an increase to Rupees 350 for this port, as Superintendent of Pearl Fisheries also.
1	Tuticorin	200	*200	...	...	
1	Calicut	105	200	95	...	
1	Cochin	200	350	150	...	
8	Total	1,360	1,675	465	150	
	Deduct decrease			150		
	Net increase			315		
	Add Masulipatam decrease			75		
				390		

8. Mr. Franklin observes that the proposed decreased establishment at Masulipatam should be carried out only in the event of the Godavery becoming the highway for troops and stores to Hyderabad and Nagpore, but as this is not the case at present, I have in my general list of establishment retained the present salary of the Master Attendant, and in other respects have given an establishment for this Port with reference to existing circumstances; when these are changed, the establishment can be modified.

9. But although the salary of the Master Attendant at Cocanada was, as Mr. Franklin says, raised lately from Rupees 200 to Rupees 350, on the ground that it would take the place of Masulipatam, as the Port of debarkation of troops and stores, yet this Port is, independent of this circumstance, a most important and rising place of traffic, and I do not propose to again reduce the salary of the Master Attendant, though at present Cocanada has not supplanted Masulipatam as the highway for troops and stores.

10. *Master Attendant's Office Establishment.*—I have allowed one Clerk for each Master Attendant, and at Cocanada and Cochin I have given two. To each is given also, one, two or three Peons, according to the importance and the work of the Ports. Mr. Franklin considers Rupees 5 sufficient for these Peons, and this being the rate allowed for the Peons of the Sea Custom Department, I have retained the same rate. I have allowed 6 Rupees for those at Cochin.

11. *Boat Establishment.*—A Boat's crew is required at five Ports; the rates of salary suggested by the Superintendent of Marine have been slightly altered. At Masulipatam, and for the report boat at Cochin, Mr. Franklin deems 5 Rupees sufficient for the boat-men; for the other places 7 Rupees a man is recommended, except at Cochin, where it is absolutely necessary to give higher pay for efficient service; where accordingly I fixed 9 Rupees. The Boat Tindals at Cochin will have 17, 12 and 8 Rupees, and at other places 8 Rupees per month. The boat establishment at Masulipatam I have fixed on the same rates as at the other Ports, though the introduction of this new scale need not be carried into effect, if there is a probability of the establishment being soon abolished.

1. Cocanada.
2. Masulipatam.
3. Paumben.
4. Tuticorin.
5. Cochin.

12. *Flag Staff Establishment.*—For the reasons assigned by Mr. Franklin, I have adopted the establishment of Signallers and Lascars recommended by him, for the several Flagstaffs on the coast, with some slight changes in the rates of pay. He recommends that the Signallers should be European Pensioners or East Indians; and he observes that "a steady European "Pensioner at Ganjam, Munsoorcottah, and Calingapatam, would be useful, not only to attend "to signals, but as an Assistant to the Conservator in managing the boatmen, and in dealing "with English Sailors." This remark should not be lost sight of by the local authorities. At Cannanore the Flag is under charge of the Military authorities, and can he attended to without extra charge as at present.

13. *Lights.*—The Collectors recommend lights at Bimlipatam and Vizagapatam. The Superintendent of Marine thinks they are not needed, and remarks "that too many lights on a "coast tend to confuse the navigator, unless they can be very readily distinguished the one "from the other." I have not therefore provided an establishment for the additional lights proposed.

14. There are five lights on the coast, which are of importance, and at out-of-the way places, at which the Superintendent receives 52 Rupees. At one, Conada or Suntapally, I had proposed on the Collector's recommendation to raise the pay to 70 Rupees. But Mr. Franklin is of opinion that they are all well paid at 52 Rupees. I have therefore only changed the rate to 55 Rupees to correspond with the general scale of allowances. In other respects the recommendation of the Superintendent of Marine, as to the number and salaries of the Tindals and Lascars, has been adopted, only with slight changes in the rates of pay. Mr. Franklin however wishes to have a graduated scale of pay, for the Light Lascars, which he says works very well. I have no objection to adopt this principle, but would avoid fractions of a Rupee, and pay them as follows; where there are

2, @ 6 and 7 Rupees each.
3, @ 6, 7 and 8 „ „
4, @ 6, 6, 7 and 8 „ „

15. A Washerman is now allowed at some, and not at others, of the larger Light Houses. I would allow one Rupee a month to be charged to contingent expenses for the washing of cloths at these Lights, when it is necessary to incur the charge, but it should not form an item of establishment.

Enclosures 2 and 3.

16. The cost of the Marine Establishment, the details of which are given in the accompanying Statement, amounts to Rupees 3,785 per month, or 45,420 per annum. As per the following abstract:

	Monthly.	Annual.
1. Salaries of 8 Master Attendants	1,750	
2. Do. of 1 Head Pilot at Paumben	100	
3. Marine allowance to 10 Superintendents of Sea Customs, for additional duty of Conservators, at 30 Rupees each	300	
4. Marine allowance to the Head Pilot at Paumben for additional duty of Conservator	30	
5. Master Attendant's Office Establishment of Clerks and Peons	233	
6. Head Pilot Establishment at Paumben	20	
7. Boat Establishment at 5 Ports	262	
8. Flag Staff Establishment at 19 Stations	403	
9. Light Establishment at 15 Stations	687	
Total cost Marine Establishment	3,785	45,420
Present cost	2,632¼	31,587
Difference	1,152¾	13,833

17. The income of the Marine Department from the levy of Port dues in 1859-60, amounts to Rupees 27,725.

From J. J. FRANKLIN, Esq., Superintendent of Marine; to C. PELLY, Esq., Member of the Board of Revenue, dated 26th June 1861, No. 1,846.

In compliance with the request contained in your letter of the 14th instant, No. 933, I have the honor to return the Memorandum therewith forwarded with full observations on each point treated of.

2. I believe these observations will afford you all the information you require, but should you desire any further particulars or explanations on any subject that may not be sufficiently clear, I will endeavor to meet your wishes without delay.

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1. *Master Attendant.*—There is not at present a Master Attendant at either of these Ports. The Collector of Ganjam strongly recommends that a Master Attendant, and an Assistant Master Attendant should be given. The Superintendent of Marine is requested to favor me with his opinion on this point.

Munsoorcottah Rupees 100
Calingapatam... ,, 60

I do not consider it necessary that Master Attendants should be appointed at these Ports for the present. I think it will be sufficient that an intelligent Superintendent of Sea Customs be appointed to each, and that he be allowed in addition to his pay in that department 30 Rupees a month for performing the duties of Conservator. Superintendents stand now appointed to these Ports on 100 Rupees a month each, 34 of which are debited to the Port Funds.

The trade of Ganjam has doubled during the past year, while that at Munsoorcottah has equally fallen off. The Government contemplate the appointment of a Superintendent of Sea Customs at Ganjam, who should be Conservator on conditions similar to those obtaining at the other Ports.

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	No. of Tindals	Salary.	Boatmen. No.	Boatmen. Pay.	Recommended by Superintendent of Marine. Tindal. No.	Tindal. Pay.	Boatmen. No.	Boatmen. Pay.	Reasons.
1 Cocanada	1	8	5	35	1	8	5	35	
2 Masulipatam.	1	7	4	20	1	7	4	20	
3 Paumben	0	0	4	16	0	0	4	25	
4 Tuticorin*	1	7	4	24	1	8	4	28	
5 Cochin.	2	7	4	20	1	11	6	51	Mr. Addis's boat.
					1	6	4	20	Report boat.

* There is no Establishment at Tuticorin, but the Collector recommends this Establ.

Captain Franklin is requested to regulate the number as well as the salary he would on consideration deem proper for each port.

4. *Master Attendants' Peons.*—It is desirable to have the number of Peons necessary for each Master Attendant settled on some principle. It seems to me that 2 Peons should suffice for Office duties. The number now entertained, and that recommended by Collectors at the Ports, both where a Master Attendant is now located, and at Ports where the Collectors propose to have a Master Attendant, is as follows:—
6 Rupees is I think the proper pay for a Peon.

Ports.	Present.	Proposed by Collectors.	Recommended by the Supt. of Marine.	Reasons.
	No.	No.	No.	
1 Munsurcottah*...	...	2	...	
2 Calingapatam*...	...	2	...	
3 Bimlipatam*.....	...	2	1	
4 Vizagapatam. ...	1	2	1	
5 Cocanada.....	3	3	3	
6 Masulipatam.....	2	2	2	
7 Negapatam... ...	1	1	1	
8 Tuticorin.....	1	2	1	
9 Calicut.....	†2	...	2	†Two now on pay.
10 Cochin.....	3	3	3	

*** These three places have at present no Master Attendant, but one is recommended by Collector.

There is an error in the rates set down for Cochin which are what appear in my column of recommendation.

The note regarding Tuticorin is likewise erroneous; the establishment set down being actually employed.

I should have proposed 5 Rupees as sufficient for the Peons at out-ports, but as Mr. Pelly considers 6 the proper pay, there can be no objection. They should I think be paid the same as the Sea Customs Peons.

In many Ports one Peon is sufficient for the work to be performed. I have noted the number I propose, observing that I have allowed the Masulipatam establishment to stand at its present strength pending contemplated alterations in the route for troops and stores to and from Hyderabad.

5. *Flag Staff Establishment.*—I come now to the Flag Staff Establishment, and here I am at some loss to regulate the salaries of the servants. Captain Franklin is of opinion that pensioned Sergeants are the best description of persons to have charge of the Flag Staff, and probably the salary of 21 Rupees, paid to the Signallers at some places, is paid to European Pensioners. But the salaries of the Signallers vary from 7 Rupees to 21 Rupees. The work of the Signaller is, I suppose, of the same nature at all Flag Staffs, though it is of course more constant at one Port than another. The Signaller should be a man of some little intelligence; I think his salary should not be less than 15 Rupees a month, which would secure the services of a Native or East Indian, and would also be acceptable to a European Pensioner. But at some ports a higher salary may be required. The pay of the Lascar should perhaps be 7 Rupees.

At some Flag Staffs there is simply a Lascar. I should like to know what his duties are. I presume he has nothing to do with Signalling, further than hoisting the Ensign when a ship comes in sight.

At some Staffs there is a Signaller and one Lascar, at others two Lascars besides the Signaller. I suppose it depends a little upon the kind of Flag Staff, and its position, what number are required. But it occurs to me that where the Staff is near a Custom House, one Signaller and one Lascar would be ample. I would particularly request the Superintendent of Marine to examine the present establishment at each Flag Staff, and then say, what, in his opinion, should be the future establishments.

I have carefully considered the Flag Staff Establishments and have set down the number I think necessary for each. The Signallers should be Europeans or East Indians, and where I have set down the higher rate it is at Ports at which much assistance cannot be afforded from the Sea Customs Department or where the place is a considerable resort for European ships. At Ganjam, Monsoorcottah and Calingapatam a steady European Pensioner would be useful not only to attend to signals, but as an Assistant to the Conservator in managing the boatmen and in dealing with English Sailors. At the other Ports in Ganjam a Lascar is merely required to look after the Flag Staff, attend to the rigging, and hoist the flag when a vessel approaches.

Bimlipatam, Vizagapatam and Cocanada are much resorted to by European ships. Good Signallers are therefore required and two Lascars to assist.

Masulipatam has boatmen who can assist in Signalling, and there are few English ships touching there. At present there are 3 Signal Lascars who were formerly paid in the Military Department. On the abolition of the Arsenal these were transferred to the Marine Department, and might be kept on pending the contemplated arrangements before alluded to.

Iskapilly has or had a small Flag Staff. The port is principally visited by Native vessels, to load Salt, and no separate Marine Establishment seems necessary.

Cuddalore has but few European vessels loading there, and being the Station for European Pensioners, a Signalman can be readily obtained at the rate now paid, viz., 15 Rupees a month.

Porto Novo requires but one Lascar to hoist flags, the trade being principally confined to small country craft.

Tranquebar is more frequented by Country and some few European ships, and requires to be better supplied in this respect.

Negapatam is now visited by many English ships bringing Railway Stores, and should have a good Signaller.

Paumben also requires a good Signaller, as small Steamers and Country ships begin to use the passage.

Tuticorin is set down for 5 Signalmen, but this is a mistake: they are boatmen, but as they are employed in making Signals when necessary, it seems inexpedient to increase the expenses by having separate Signalmen.

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These are both important Ports. But there is a Master Attendant only at Vizagapatam. The Collector recommends that there should be a Master Attendant at Bimlipatam on 350 Rupees, and one Assistant at Vizagapatam on 150 Rupees. Captain Franklin's opinion is required on this proposition.

Bimlipatam ...	Rupees 350
Vizagapatam ...	,, 200

The Superintendent of Marine is requested to give his opinion respecting the salaries of the Master Attendants: whether with reference to the work that they have respectively to perform, they are adequately paid or not; and to state what salary he would recommend in each case. The Collector of Malabar has recommended 150 Rupees for the Master Attendant at Calicut; and Captain Franklin, I am aware, thinks that 350 Rupees should be paid to the Master Attendant at Cochin. There might perhaps be two classes.

Vizagapatam,	Rupees 200
Cocanada...	,, 350
Masulipatam...	,, 200
Negapatam...	,, 105
Tuticorin...	,, 200
Calicut... ...	,, 105
Cochin... ...	,, 200

The Master Attendant at Vizagapatam has charge of Bimlipatam which he visits once a month and oftener if necessary. The trade of Bimlipatam is increasing to a greater extent than that of Vizagapatam. I think therefore that it would be advisable to have a Master Attendant at Bimlipatam on 200 Rupees a month, and a Conservator at Vizagapatam on 125 Rupees.

Bimlipatam...	Rupees 200
Vizagapatam.	,, 125
Cocanada...	,, 350
Masulipatam.	,, 125
Negapatam...	,, 125
Tuticorin..	,, 200
Calicut..	,, 200
Cochin...	,, 350

I would fix the salaries of the Master Attendants, as above noted, when the Port Funds would allow of the increase. With reference to the reduction at Masulipatam, this should only be carried out in the event of the Godavery becoming the highway for Troops and Stores to Hyderabad and Nagpore. The salary of the Master Attendant at Cocanada was raised from 300 to 350 Rupees a month on this ground, but as for the present, at any rate, Masulipatam will be reverted to as the Port of discharge for such Stores, the higher salary should be retained there for a time.

2. *Master Attendants' Clerks.*—Each Master Attendant has one clerk with a salary of 10 Rupees, 12 Rupees, 15 Rupees, or 25 Rupees. It has been recommended by the Collector of Vizagapatam to allow two clerks for the Master Attendant at that Port. I would wish to have Captain Franklin's opinion, whether at Vizagapatam, or at *any other* Port, the work of the Master Attendants' Clerks is sufficient to require a second Clerk. I think the salary of the Clerk should not be less than 15 Rupees, but it is now as high as 25 Rupees at Cocanada and Cochin, and 35 Rupees is recommended by the Collector for the latter place; and Mr. Silver recommends 20 Rupees as the salary for Tuticorin. Captain Franklin's opinion is requested regarding the proper number and salary of Clerks at each station, 15 Rupees being in my opinion the lowest salary suitable.

One clerk is, I think, sufficient for each Master Attendant, with the exception perhaps of Cocanada and Cochin. At the first, 25 Rupees a month are allowed for one, but with the permission of Government this sum is divided between two who receive 16 and 9 Rupees respectively.

At Cochin there must be employment for more than one clerk. The Port Fund is however only just emerging from debt, and I imagine this to be the reason why the Master Attendant who, I believe, keeps a private clerk of his own, does not apply for more assistance. Where the fund is in a more flourishing state that, as well as the increase of his own salary, may well come under consideration.

Clerks are more readily obtained in some places than in others, and the cost of living varies in different ports. Hence the irregularity in the rates of remuneration. I think with Mr. Pelly that 15 Rupees a month should be the lowest salary where only one is entertained.

		Present Establishment.				Proposed by Collector		Superintendent of Marine's opinion.		
		No.	Present salary.	No.	Salary.	No.	Salary.	No.	Salary.	Reasons.
1	Vizagapatam	1	12	2	25	2	{15 / 12}	1	15	
2	Cocanada	1	25	1	25	1	25	2	{16 / 9}	
3	Masulipatam	1	10	1	15	1	15	1	15	
4	Negapatam	1	15	1	15	1	15	1	15	
5	Tuticorin	1	15	1	20	1	20	1	15	
6	Calicut	1	10	1	20	1	20	1	15	
7	Cochin	1	25	1	35	1	35	1	25	A second to be added hereafter.
8	Paumben Pilot	1	15	1	15	1	15	1	15	

3. *Boat Establishment.*—The pay of the Boatmen and the Boat Tindal varies at different Ports. It seems to me that the pay of the Boatmen should be 7 Rupees each, every where, and that the Tindal of the Boat should have 8 Rupees. But the pay at Cochin is much higher, it seems at present, viz., Rupees 11 for the Tindal and 8½ Rupees for the men. There may be special reasons for this. Captain Franklin will be so good as to favor me with his opinion on the subject. The Ports at which a Boat Establishment is entertained are, it seems, the following:—

I concur with Mr. Pelly in thinking 7 Rupees a month proper wages for Boatmen and 8 Rupees for Tindals, and he will notice in the statement sent with my letter of 7th September last, No. 3,999, that these are the rates I therein recommended. The only exception was in the port of Masulipatam, the arrangements in which I did not propose to disturb as I anticipated an early change in the circumstances which would warrant a considerable reduction of establishment. The boat at Masulipatam is not much employed, and as the fund is in debt, I do not recommend increase.

At Cochin labor is high and the rates there established are absolutely necessary to enable the Master Attendant to obtain efficient men.

I am aware that at Cochin it is difficult to obtain a good Clerk under 25 Rupees, but I do not think it necessary to increase that rate although hereafter it may be advisable to appoint a second.

To these should be added one Clerk at 15 Rupees for Bimlipatam, if a Master Attendant be appointed there.

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Ports.	Present Establishment.				Recommended by Superintendent of Marine.			
	Signallers.		Lascars.		Signallers.		Lascars.	
	No.	Salary.	No.	Salary.	No.	Salary.	No.	Salary.
Ganjam	...	...	...	...	1	21	1	7
Munsurcottah	..	...	1	7	1	21	1	7
Soonapoor	..	...	...	...	..	...	1	7
Barwah	..	...	..	...	...	...	1	7
Poondy and Bapanapadoo	...	...	...	...	...	..	1	7
Calingapatam	...	...	...	...	1	21	1	7
Bimlipatam	1	21	2	10	1	21	2	14
Vizagapatam	1	21	2	10	1	21	2	14
Cocanada	1	10½	1	6	1	21	2	14
Masulipatam	3	15¾	...	...	...	...	1	7
Iskapilly*	...	...	...	...	...	..	...	..
Cuddalore	1	15	1	5	1	15	1	7
Porto Novo	.	...	1	4	...	...	1	7
Tranquebar	...	...	2	8	...	...	2	14
Negapatam	1	10	1	7	1	15	1	7
Paumben†‡	..	...	..	...	1	21	1	7
Tuticorin	...	...	...	...	...	..	...	...
Mangalore‖	..	...	...	...	1	21	1	7
Cannanore§	...	...	...	...	...	...	...	14
Tellicherry	1	7	1	4	1	15	1	7
Calicut	1	7	¶3	11	1	15	2	14
Cochin	...	...	2	11	1	15	1	7

Mangalore should have a good Signaller as the trade is increasing, and European ships visit the port frequently.

The Flag Staff at Cannanore is a Military one and can be attended to by a Sergeant of the garrison.

Tellicherry, Calicut and Cochin are all visited by English ships, and the latter being a port of great resort, would require more than one Lascar, if it were not that a large establishment of boatmen is kept up who are available for this service.

Note.
* Collector recommends a Flag Staff at Iskapilly.

† Do. Do.
‡ Its erection is sanctioned.

‖ Do. by Superintendent of Marine.
§ Do. Do.

¶ There are now two not three.

6. *Lights.*—Lights are recommended at Bimlipatam and Vizagapatam by the Collector. I do not know whether the Superintendent of Marine would wish to modify his opinion that no other Lights than those now existing are necessary, with respect to these two places.

I do not think that Lights are needed at either of these ports. Too many Lights on a Coast tend to confuse the navigator unless they can be very readily distinguished the one from the other.

At five* Light-houses detached from Custom House station there is a Superintendent on a superior rate of pay (52 Rupees) with generally 4 Lascars, and in 2† of them a Tindal also. It appears to me that a Tindal is not necessary where there is a Superintendent, and if the Superintendent of Marine sees no objection, I propose to fix the establishment at these 5 Lights as below, subject however to any modification in the number of Lascars (presently to be referred to) that Captain Franklin may suggest.

* 1. Conada or Santapilly.†
1. Hope Island.
1. Point Divi.†
1. Munapuli or Armeghon.
1. Pulicat.
5

It is always necessary, where a Light is not under the immediate supervision of a Master Attendant or Superintendent of Sea Customs, to appoint a European or East Indian Superintendent. I do not however think that the salaries now paid need be increased. The class of men holding these appointments are well paid at 52 Rupees a month.

It will be observed that for the reasons assigned by Captain Franklin, an Assistant Superintendent or rather a Tindal on a higher rate of pay of 15 Rupees is given to Santapilly.

A Washerman's pay is allowed for each, which, I assume, is necessary at all if necessary at one. If the Superintendent is of opinion that a Washerman is not required, but that the Lascars should clean the lamp-cloths, he can exclude this item, which at all events, if necessary at all, should form an item in contingent charges, rather than an item of establishment.

Four Lascars are now allowed. I suppose this number has been found to be necessary; but at other lights I find only 3 and 2 Lascars. They all have possibly much the same duties, viz., watching the lamps at night only, and cleaning them in the day. I would therefore beg the Superintendent to inform me whether the establishment of Lascars at each Light may not be revised. It is probable that more men may be required at out-of-the-way places, than at the Custom House Stations. A Tindal it is observed is allowed at some places, and Lascars only at others. When there is no Superintendent I think it is desirable that a Tindal should be allowed, as there should be some immediately responsible person for so important a duty. The pay of this man should also be better than that of a Lascar, and I propose to adopt the rate of 10 Rupees which I see recommended in some places.

The present establishment and that proposed by me (subject to the modification in the number of Lascars, or in other respects which Captain Franklin may suggest), is entered below, for the Superintendent of Marine's notes.

At Conada (Santapilly) I recommended a Deputy on 21 Rupees a month, I have no objection however to this being reduced to 15 Rupees for which an intelligent Tindal could be engaged equal to the entire care of the Light in case of the Superintendent's temporary illness.

One Rupee a month is paid at some of the Light-houses as an allowance to a Washerman. It is probable the cloths are washed by the light keepers who divide the Rupee among themselves. It may be considered a requisite and should be established at all, but as Mr. Pelly says it should form a contingent charge.

The Lights are of different sizes and power, some like Santapilly, are coast lights requiring much care and vigilance; others like Masulipatam, are mere port lights. Hence the difference in the establishments.

In the table at the conclusion of this paper, I have set down the establishments I would propose at each, which with three exceptions coincide with Mr. Pelly's recommendations. The Armeghon and Pulicat Lights are each assigned 2 Lascars only by Mr. Pelly. They are both exhibited on dangerous parts of the Coast where inattention to their efficiency might lead to serious disasters; I consider therefore that three men are absolutely necessary to ensure strict attendance throughout the night.

Tuticorin also is an important Light, situated $2\frac{3}{4}$ miles from the main on an island surrounded by dangerous reefs outside which ships anchor and load. It requires therefore to be well attended and I would not only keep the number of Lascars at its present strength, but would augment the Tindal's salary to 12 Rupees a month.

Light Establishment.

Stations.	Present.						Proposed by Mr. Pelly.						Modified by Supt. of Marine.					
	Supt.		Tindal.		Lascar.		Supt.		Tindal.		Lascar.		Supt.		Tindal.		Lascar.	
	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.	No.	Pay.
1. Conada or Santapilly	1	52	1	15	4	28	1	70	1	15	4	28	1	52	1	15	4	28
2. Hope Island	1	52	1	6	5	21	1	23	1	6	5	21	1	52	1	10	4	28
3. Masulipatam	1	0	1	6	5	21	1	23	1	6	5	21	1	52	0	10	2	14
4. Point Divi	0	52	1	10	2	14	0	14	1	10	2	14	0	14	1	10	2	14
5. Moonapooly or Armoogan	1	52	0	0	4	28	1	28	0	0	4	28	1	28	0	0	4	28
6. Pulicat	1	52	0	0	3	21	1	14	0	0	3	21	1	14	0	0	3	21
7. Negapatam	0	0	1	10	3	21	1	14	0	0	3	21	1	14	1	10	3	21
8. Paumben	0	0	0	0	2	14	0	0	1	10	2	14	0	0	1	10	2	14
9. Tuticorin	1	52	1	12	4	28	1	14	0	0	4	28	1	14	1	12	4	28
10. Mangalore	0	0	0	0	2	14	0	0	1	10	2	14	0	0	1	10	2	14
11. Cannanore	0	0	0	0	2	14	0	0	1	10	2	14	0	0	1	10	2	14
12. Tellicherry	0	0	0	0	2	14	0	0	1	10	2	14	0	0	1	10	2	14
13. Calicut	0	0	0	0	2	14	0	0	1	10	2	14	0	0	1	10	2	14
14. Cochin	0	0	1	7	5	35	0	0	1	10	5	35	0	0	1	10	5	35
					64						64						64	

(Signed) C. PELLY,
Member.

I would establish a graduated scale of wages for the Light keepers, keeping the average at 7 Rupees each; where 2 are employed they should have $6\frac{1}{2}$ and $7\frac{1}{2}$ Rupees each. With 3, the rates should be 6, 7 and 8 Rupees. And when the establishment consists of 4, the wages should be $5\frac{1}{2}$, $6\frac{1}{2}$, $7\frac{1}{2}$ and $8\frac{1}{2}$ Rupees. This is a system adopted at Madras where it answers well.

Statement shewing the Establishment proposed

District.	Names of the Ports.	Number of Vessels.	Tonnage.	Amount of Port Dues.	Amount of the present Establishment.	Master Attendant's Establishment.							
						Master Attendants.		Clerks.		Peons.		Total.	
						No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Ganjam... ...	1 Ganjam	110	26,459	...	...	...	...	...	...	...	...	...	...
	2 Munsoorcottah	157	35,839	...	7	...	...	...	...	...	...	...	...
	3 Soonnapoor	57	9,591	...	...	...	...	...	...	...	...	...	...
	4 Barwah	48	6,601	...	...	...	...	...	...	...	...	...	...
	5 Poondy and Bapanapadoo	126	20,993	...	...	...	...	...	...	...	...	...	...
	6 Calingapatam	99	25,325	...	...	...	...	...	...	...	...	...	...
		597	1,24,808	...	7	...	...	...	...	...	...	...	...
Vizagapatam.	1 Conada or Santapilly	10	1,094	...	81	...	...	...	...	...	...	...	...
	2 Bimlipatam	261	77,896	1,484	31	1	200	1	15	1	5	3	220
	3 Vizagapatam	306	65,312	1,150	246½	1	125	1	15	1	5	3	145
		577	1,44,302	2,634	358½	2	325	2	30	2	10	6	365
Godavery.....	1 Cocanada	354	1,66,912	3,646	452½	1	350	1	20	3	15	6	400
	2 Coringa	459	65,108	1,899				1	15				
	3 Hope Island	...	.....	...	81	...	...	...	...	...	...	...	...
		813	2,32,020	5,545	533½	1	350	2	35	3	15	6	400
Kistna... ...	1 Masulipatam	804	64,402	987	285¾	1	200	1	15	2	10	4	225
	2 Point Divi	...	.....	...	76	...	...	...	...	...	...	...	...
		804	64,402	987	361¾	1	200	1	15	2	10	4	225
Nellore... ...	1 Moonapuli or Armoogum near Pudi.	...	.....	...	74	...	...	...	...	...	...	...	...
Madras... ...	1 Pulicat	...	.....	...	70½	...	...	...	...	...	...	...	...
South Arcot.	1 Cuddalore	420	33,573	809	20	...	...	...	...	...	...	...	...
	2 Porto Novo	362	27,326	...	4	...	...	...	...	...	...	...	...
		782	60,899	809	24	...	...	...	...	...	...	...	...
Tanjore... ...	1 Tranquebar	485	46,759	851	8	...	...	...	...	...	...	...	...
	2 Negapatam	1,103	97,447	2,522	166	1	125	1	15	1	5	3	145
		1,588	1,44,206	3,373	174	1	125	1	15	1	5	3	145
Madura... ...	1 Paumben	965	29,038	...	143	1	Hd. Pilot. 100	1	15	1	5	3	120

for the Marine Department in the Provinces.

Proposed Establishment.																							
Boat Establishment.						Flag Staff Establishment.						Light House Establishment.								Grand Total.	
Boat Tindal.		Lascars		Total.		Signallers.		Lascars		Total.		Superintendent.		Tindal.		Lascars.		Total.			
No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
...	...	..	...	...	...	1	20	1	7	2	27	..	..	...	...	...	...	...	...	2	27
...	...	...	...	...	...	1	20	1	7	2	27	...	...	...	...	...	...	...	..	2	27
...	...	...	...	...	...	...	...	1	7	1	7	...	...	...	...	...	...	...	...	1	7
...	...	...	...	...	...	...	...	1	7	1	7	...	...	...	...	...	...	...	...	1	7
...	...	..	...	...	...	...	...	1	7	1	7	...	...	...	...	...	...	...	...	1	7
...	...	...	...	...	...	1	20	1	7	2	27	...	...	...	...	...	...	...	...	2	27
...	...	...	...	...	...	3	60	6	42	9	102	...	...	...	...	...	...	...	...	9	102
...	...	...	...	...	...	...	...	...	...	...	...	1	55	1	15	2 1 1	12 7 8	6	97	6	97
...	...	...	...	...	...	1	20	2	14	3	34	...	...	...	...	...	...	...	...	6	254
...	...	...	...	...	...	1	20	2	14	3	34	...	...	...	...	...	...	...	...	6	179
...	...	..	...	...	...	2	40	4	28	6	68	1	55	1	15	4	27	6	97	18	530
1	8	5	35	6	43	1	20	2	14	3	34	...	...	...	...	...	...	...	...	15	477
...	...	...	...	...	...	...	...	...	...	...	...	1	55	1	10	2 1 1	12 7 8	6	92	6	92
1	8	5	35	6	43	1	20	2	14	3	34	1	55	1	10	4	27	6	92	21	569
1	8	4	28	5	36	...	...	1	7	1	7	...	..	1	10	1 1	6 7	3	23	15	291
...	...	...	...	...	..	...	...	...	...	...	...	1	55	...	...	2 1 1	12 7 8	5	82	5	82
1	8	4	28	5	36	...	...	1	7	1	7	1	55	1	10	6	40	8	105	18	373
..	...	...	...	...	...	...	...	...	...	...	..	1	55	...	...	1 1 1	6 7 8	4	76	4	76
...	...	...	...	...	...	...	...	..	...	...	...	1	55	..	..	3	21	4	76	4	76
...	...	...	...	...	...	1	15	1	7	2	22	...	..	...	...	...	...	...	...	2	22
...	..	...	...	...	...	...	...	1	7	1	7	...	...	...	...	...	...	...	..	1	7
...	...	...	..	...	...	1	15	2	14	3	29	...	...	...	...	...	..	...	...	3	29
...	...	..	...	..	...	...	...	2	14	2	14	...	...	...	...	...	...	...	...	2	14
...	...	...	..	...	...	1	15	1	7	2	22	..	...	1	10	1 1	6 7	3	23	8	190
...	...	...	...	...	...	1	15	3	21	4	36	...	...	1	10	2	15	3	23	10	204
...	..	4	28	4	28	1	20	1	7	2	27	...	...	1	10	1 1	6 7	3	23	12	198

Statement shewing the

District.	Names of the Ports.	Number of Vessels.	Tonnage	Amount of Port Dues.	Amount of the present Establishment.	Proposed Master Attendant's Establishment.							
						Master Attendants		Clerks.		Peons.		Total.	
						No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
Tinnevelly. ...	1 Tuticorin...	995	70,877	4,512	286	1	200	1	15	1	5	3	220
North Canara...	1 Kumpta...	2,515	55,582	...	11	...	...	...	...	...	...	...	...
South Canara....	1 Mangalore...	3,273	82,192	1,970	11	...	..	...	...	...	...	...	...
Malabar..	1 Cannanore...	2,756	91,962	1,508	10	...	...	...	...	...	...	...	...
	2 Tellicherry...	2,338	73,152	827	21	...	...	...	...	...	...	..	...
	3 Calicut...	4,416	1,69,351	2,623	159	1	200	1	15	2	10	4	225
	4 Cochin...	3,251	1,47,522	2,037	388	1	350	{ 1 / 1	{ 20 / 15 }	3	18	6	403
		12,761	4,81,987	7,895	578	2	550	3	50	5	28	10	628

Establishments, &c.—(Continued.)

Establishment.

Boat Establishment.						Flag Staff Establishment.						Light House Establishment.								Grand Total.	
Boat Tindal.		Lascars		Total.		Signallers.		Lascars		Total.		Superintendent.		Tindal.		Lascars.		Total.			
No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.	No.	Amount.
1	8	4	28	5	36	...	...	..	...	...	...	...	...	1	12	{ 2 / 1 / 1	12 / 7 / 8 }	5	39	13	295
...	...	...	...	...	...	...	...	...	...	...	...	...	..	...	...	{ 1 / 1	6 / 7 }	2	13	2	13
...	...	...	...	...	...	1	20	1	7	2	27	...	...	1	10	{ 1 / 1	6 / 7 }	3	23	5	50
...	...	...	...	...	...	...	...	...	...	...	...	...	...	1	10	{ 1 / 1	6 / 7 }	3	23	3	23
...	...	...	...	...	...	1	15	1	7	2	22	...	...	1	10	{ 1 / 1	6 / 7 }	3	23	5	45
...	...	...	...	..	...	1	15	2	14	3	29	...	...	1	10	{ 2 / 1 / 1	12 / 7 / 8 }	5	37	12	291
{ 1 / 1 / 1	17 / 12 / 8 }	6 / 4	54 / 28	8 / 5	83 / 36	1	15	1	7	2	22	...	...	1	10	{ 2 / 1 / 1	12 / 7 / 8 }	5	37	26	581
3	37	10	82	13	119	3	45	4	28	7	73	...	...	4	40	12	80	16	120	46	940

(Signed) C. PELLY,
Member.

Abstract shewing the present and proposed Marine Establishments in the several Coast Districts of the Madras Presidency.

Districts.	No. of Vessels.	Tonnage.	Amount of Port Dues.	Present Establishment.	Proposed Establishment. Master Attendant's Establishment	Boat Establishment	Flag Staff Establishment	Light House Establishment	Total.
1	2	3	4	5	6	7	8	9	10
			Rs.	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
1 Ganjam	597	1,24,808	...	7	...	...	102	...	102
2 Vizagapatam	577	1,44,302	2,634	358½	365	...	68	97	530
3 Godavery	813	2,32,020	5,545	533½	400	43	34	92	569
4 Kistnah	804	64,402	987	361½	225	36	7	105	373
5 Nellore	...	...	...	74	...	...	...	76	76
6 Madras	...	...	...	70½	...	...	...	76	76
7 South Arcot	782	60,899	809	24	...	...	29	...	29
8 Tanjore	1,588	1,44,206	3,373	174	145	...	36	23	204
9 Madura	965	20,038	...	143	120	28	27	23	198
10 Tinnevelly	995	70,877	4,512	286	220	36	...	39	295
11 North Canara	2,515	55,582	...	11	...	...	...	13	13
12 South Canara	3,273	82,192	1,970	11	...	...	27	23	50
13 Malabar	12,761	4,81,987	7,895	578	628	119	73	120	940
Total	25,670	14,90,313	27,725	2,632¼	2,103	262	403	687	3,455
Add the additional allowance of eleven Conservators at 30 Rupees a month	...	...	...	...	...	...	...	...	330
									3,785

REVENUE BOARD OFFICE,
CHEPAUK PALACE,
12*th July* 1861.

(Signed) C. PELLY,
Member.

No. 69. ORDER THEREON, 28th September 1861, No. 312.

Mr. Pelly submits his report on the revision of the Marine Estsblishments at the Out-ports.

2. *Master Attendants*.—The changes proposed in respect to these Officers are shown below:—

	Present.	*Proposed.*
Bimlipatam	...	200
Vizagapatam	200	125
Cocanada	350	350
Masulipatam	200	200
Negapatam	105	125
Tuticorin	200	200
Calicut	105	200
Cochin	200	350
Paumben (Head Pilot)	100	100
	Rupees 1,460	Rs. 1,850

Mr. Pelly supports the recommendation of the Collector of Ganjam, that a Master Attendant should be appointed to one of the Ports in that District, on the ground that where there is a very large trade, the Superintendent of Sea Customs will not be able to do justice to his additional duties as Conservator of the Port. Mr. Franklin, however, is not favorable to the proposal, apparently on account of the low state of the Port Funds in that District.

Ganjam.
Munsoorcottah.
Calingapatam.
Coringa.
Cuddalore.
Tranquebar.
Mangalore.
Cannanore.
Tellicherry.
Paumben.

3. *Conservators*.—It is suggested that the Superintendents of Sea Customs, at the Ports named in the margin, and the Head Pilot at Paumben, should be appointed Conservators, with an allowance of Rupees 30 a month, in addition to the salary of their substantive appointments.

Proceedings of the Madras Government, Marine Department,
28th September 1861.

4. The revised Office Establishments of the Master Attendants will consist of one or two writers, with one, two, or three peons. The salary of the sole writer will be not less than Rupees 15 a month. When there are two writers, they will receive Rupees 20 and 15 respectively. The pay of the peons will be uniformly Rupees 5 a month, except at Cochin, where Rupees 6 are allowed. A writer and a peon will be continued to the Head Pilot at Paumben. The existing and revised scales are tabulated below:—

	Present. Writers. No.	Writers. Rs.	Peons. No.	Peons. Rs.	Proposed. Writers.	Peons.	Cost.
Bimlipatam	...	...	...	...	1	1	20
Vizagapatam	1	12	1	3½	1	1	20
Cocanada	2	25	3	18	2	3	50
Masulipatam	1	10	2	9	1	2	25
Negapatam	1	15	1	5	1	1	20
Tuticorin	1	15	1	7	1	1	20
Calicut	1	10	2	7	1	2	25
Cochin	1	25	3	16	2	3	53
Paumben	1	15	...	...	1	1	20
Writers				127	Rupees		253
Peons				65½			
Rupees				192½			

5. Boat Establishments are maintained at five ports. The pay of a Tindal will be uniformly Rupees 8—and that of a Boatman, Rupees 7 a month, except at Cochin, where the arrangements are peculiar. The present Crews, and the proposed scale are shown below:—

	Present. Crews.	Present. Cost.	Proposed. Tindal.	Proposed. Boatmen.	Proposed. Cost.
Cocanada	1 Tindal	8			
	5 Boatmen at 7	35			
		43	1	5	43
Masulipatam	1 Tindal	7	1		
	4 Boatmen at 5	20			
		27	1	4	36
Paumben	4 Do. at 4	16	.....	4	28
Tuticorin	1 Tindal	7			
	4 Boatmen at 6	24			
		31	1	4	36
Cochin—Anchor Boat.	1 Syrang	17			
	1 Tindal	11			
	6 Boatmen at 8½	51	1 at 17	6 at 9	
			1 at 12	4 at 7	119
		79	1 at 8		
Report Boat	1 Tindal 6	...			
	4 Boatmen at 5 20	26			
		105			
Do. Extra Wages and Extra Boatmen		18¾			
	Rupees	240¾		Rupees	262

For the Report Boat at Cochin, two additional Boatmen on Rupees 7 each a month are employed during the working season, or for nine months in the year. During the same period,

the regular crew receive extra pay at the rate of Rupees 3 for the Tindal, and Rupees 2 for each Boatman. The expense of this arrangement, *viz.*, Rupees 235 in the year, is borne by the Government share of the pilotage at Cochin.

6. *Flag Staff Establishments.*—In view to the general employment, as Signallers, of European Pensioners or East Indians, who will be useful also as Assistants to the Conservators, in managing the boat people and in dealing with English Sailors, the pay of this grade is raised to Rupees 20 and 15. That of the Lascars will be uniformly Rupees 7 per month. The establishments proposed are:—

		Rs.
Bimlipatam, Vizagapatam, Cocanada, Ganjam	One Signaller on Rupees 20, and two Lascars—Rupees 34 at 3	= 102
Munsoorcottah, Calingapatam, Paumben, Mangalore	One Signaller on Rupees 20, and one Lascar—Rupees 27 at 5	= 135
Calicut	One Signaller on Rupees 15, and two Lascars	= 29
Cuddalore, Negapatam, Tellicherry, Cochin	One Signaller on Rupees 15, and one Lascar	88
Tranquebar	Two Lascars	14
Sonapore, Barwah, Poondy, including Baupanapaudoo, Masulipatam, Porto Novo	One Lascar, Rupees 7 at 5	= 35
	Rupees...	403

The erection of a Flag Staff at Paumben has been sanctioned. Flag Staffs will also have to be erected at Mangalore and Cannanore. For the latter no Marine establishment will be required, as it can be worked by the Military at that Station. The present Flag Staff establishments are as shown below:—

		Rs.	A.	P.
Munsoorcottah	1 Lascar	7	0	0
Bimlipatam, Vizagapatam, Cocanada	each—1 Signaller 21 0 0; 2 Lascars at 5 ... 10 0 0	62	0	0
	1 Signaller	10	8	0
	1 Look-out peon	6	0	0
Masulipatam	3 Lascars at $5\frac{1}{2}$ 0 0	16	8	0
Cuddalore	1 Signaller 15 0 0; 1 Lascar 5 0 0	15	12	0
Porto Novo	1 do	20	0	0
Tranquebar	2 do at 4	4	0	0
Negapatam	1 Signaller 10 0 0; 1 Lascar 7 0 0	8	0	0
Tellicherry, Calicut, Cochin	each—1 Signaller 7 0 0; 1 Lascar 4 0 0	17	0	0
	Rupees...	33	0	0
		183	4	0

7. The Light House Establishments vary according as they are Coast Lights—or mere Port Lights—or, from being in isolated positions, are not under the immediate control of a Master Attendant or other Officer. The pay of a Superintendent is fixed at Rupees 55 a month. The Head Light-keeper will receive Rupees 15 at Santipilly; Rupees 12 at Tuticorin; and Rupees 10 at the other places. The Light-keepers will receive Rupees 6 and 7 respectively, or

Rupees 13 altogether, when there are two of them—Rupees 6, 7, and 8, or Rupees 21, when three are on the establishment—and Rupees 6, 6, 7, and 8, or altogether Rupees 27, when four keepers are employed. The revised scale will be as follows:—

Conadah on the Santipilly Rocks.	A Superintendent, Head Light-keeper, and 4 Light-keepers...	97
Hope Island...	Do.	92
Point Divi	A Superintendent and 4 Light-keepers	82
Monapollium on the Armeghom Shoal.	Each a Superintendent and three Light-keepers 76 × 2 ...	=152
Pulicat.		
Tuticorin	One Head Light-keeper and 4 Light-keepers	39
Calicut...	Each one Head Light-keeper and 4 Light-keepers 37 × 2...	=74
Cochin...		
Masulipatam...		
Negapatam		
Paumben	Each one Head Light-keeper and two Light-keepers 23 × 6	=138
Mangalore		
Cannanore		
Tellicherry		
Coompta	Two Light-keepers.....	13
	Rupees...	687

The existing establishments are shewn below:—

Santipilly...	1 Superintendent	52		
	1 Tindal	6		
	4 Lascars at $5\frac{1}{2}$	22		
			—	80
Hope Island	As above			80
Masulipatam	1 Tindal...	10		
	2 Lascars at 7	14		
			—	24
Point Divi....	1 Superintendent... ...	52		
	2 Lascars at 7	14		
	2 do. at 5	10		
			—	76
Monapollium	1 Superintendent... ...	52		
	3 Lascars at 7	21		
			—	73
Pulicat.....	1 Superintendent... ...	$52\frac{1}{2}$		
	3 Lascars	18		
			—	$70\frac{1}{2}$
Negapatam...	1 Tindal	10		
	2 Lascars at 7	14		
			—	24
Paumben	2 Lascars at 6			12
Tuticorin	1 Tindal	9		
	4 Lascars at 6	24		
			—	33
Mangalore	2 do. at $5\frac{1}{2}$			11
Coompta	2 do. at $5\frac{1}{2}$			11
Cannanore	2 do. at 5			10
Tellicherry	2 do. at 5			10
Calicut	1 Tindal	6		
	4 Lascars at 5	20		
			—	26
Cochin	As above...			26
	Rupees...			$566\frac{1}{2}$

The wages of the Washerman are not to be considered as a charge coming under the head of Establishment.

Proceedings of the Madras Government, Marine Department, 28th September 1861.

	Present.	Proposed.
1. Master Attendants	1,460	1,850
2. Office Establishments	192½	253
3. Conservators	...	300
4. Boat Crews	240¾	262
5. Flag Staffs	183¼	403
6. Light-houses	566¼	687
Rupees...	2,643	Rs. 3,755

Proposed	3,755
Present	2,643
Rupees...	1,112 per mensem.

8. Mr. Pelly's scheme therefore, if carried out, will be at a cost exceeding the present charge, by Rupees 1,112 per mensem, or Rs. 13,344 per annum. The revised establishment appears to have been carefully considered by Mr. Pelly and the Superintendent of Marine, and is no more than the progress of commerce has rendered absolutely necessary. It will accordingly be recommended for the sanction of the Government of India.

SANCTIONED EXPENDITURE.

1. Master Attendants	Rs. 17,520
2. Office Establishments	„ 2,364
3. Conservators	„ 3,600
4. Boat Crews	„ 2,568
5. Flag Staffs	„ 4,263
6. Light Houses	„ 7,950
	Rs. 38,265.

Months.

Present charge...	...Rupees 2,643 × 6	= 15,858	
Proposed do.	„ 3,755 × 6	= 22,530	
			Rs. 38,388

9. The Marine Budget for 1861-62, which has been conditionally sanctioned by the Government of India, will provide sufficiently for the increased charge, if the change does not take effect earlier than the 2nd half of the current official year. Mr. Franklin will be so good as to furnish a statement showing how much of the cost of the existing Marine Establishments at the Outports is provided for out of the Port Funds, how much of the proposed increase can be defrayed in the same way, and what will be the rate per mensem, in excess of the present expence, to be borne by the State. He will also furnish a tabular statement for submission to the Government of India.

Civil Auditor's Manual, Chapter III., paragraph 76.

10. The Chief Engineer will be requested in the Public Works Department to prepare, in communication with Mr. Franklin, estimates of the cost of erecting Flag Staffs at Cannanore and Mangalore.

(Signed) J. D. SIM,
S

Exd. F. Cartledge.

Hendricks

9 11

1. Master Attendant

Munneevolottah 100
Calingapatam 60.

There is not at present a Master Attendant at either of these Ports. The Collector of Ganjam strongly recommends that a Master Attendant and an assistant Master Attendant should be given. The Superintendent of Marine is requested to favor me with his opinion on this point.

Bimlipatam 350.
Vizagapatam 200.

These are both important ports. But there is a Master Attendant only at Vizagapatam. The Collector recommends that there should be a Master Attendant at Bimlipatam on 350 Rupees, and an Assistant at Vizagapatam on 150 Rupees. Captain Franklyn's opinion is required on this proposition.

Vizagapatam Rs 200.
Cocanada 350.
Masulipatam 200
Negapatam 105
Tuticorin 200
Calicut 105
Cochin 200.

The Superintendent of Marine is requested to give his opinion respecting the salaries of the Master Attendants whether with reference to the work that they have respectively

I do not consider it necessary that M. Att. should be appointed at these ports for the present. I think it will be sufficient the most intelligent Supt. of Sea Customs be appointed to each, and that he be allowed in addition to his pay in that department 30 Rupees a month for performing the duties of Conservator. Superintendent stands now appointed to these ports on [illegible] a month each, 3/4 of which are debited to the Port Funds.

The trade of Ganjam has doubled during the past year while that at Munsoorcottah has equally fallen off. The [illegible] contemplate the appointment of a Supt. of S.C. at Ganjam who would be [illegible] on conditions similar to those obtaining at the other ports.

The M. Att. at Vizagapatam has charge of Bimlipatam which he visits once a month and oftener if necessary. The trade of Bimli is increasing to a greater extent than that of Vizagapatam. I think therefore that it would be advisable to have a M. Att. at Bimli on 200 Rs a month and a Conservator at Vizagapatam on 125 Rs.

Bimlipatam	—	200
Vizagapatam	—	125 Conservator
Cocanada	—	350
Masulipatam	—	125
Negapatam	—	125
Tuticorin	—	200
Calicut	—	200
Cochin	—	350

I would fix the salaries of the M. Att. as above noted [illegible]

proceed

respectively to perform they are adequately paid or not, and to state what salary he would recommend in each case. The Collector of Malabar has recommended 150 Rupees for the Master Attendant at Calicut, and Captain Franklyn I am aware, thinks that 350 Rupees should be paid to the Master Attendant at Cochin. There might perhaps be 2 classes.

the port funds would allow of the increase. With reference to the reduction at Masulipatam, this should only be carried out in the event of the Godavery becoming the highway for troops and stores to Hyderabad as is supposed. The salary of the M. Att. at Coconada was raised from 200 to 350 Rs a month on this ground, but as for the present at any rate Masulipatam will be reverted to as the port of discharge for such stores the higher salary should be retained there for a time.

2. Master Attendants Clerks.

Each Master Attendant has one clerk with a salary of 10 Rupees, 12 Rupees, 15 Rupees, or 25 Rupees. It has been recommended by the Collector of Vizagapatam to allow two Clerks for the Master Attendant at that Port. I would wish to have Captain Franklyn's opinion, whether at Vizagapatam or at any other Port, the work of the Master Attendant's Clerks is sufficient to require a second clerk. I think the salary of the Clerk should not be less than 15 Rupees, but it is now as high as 25 Rupees at Coconada and Cochin and 35 Rupees is recommended by the Collector for the latter place; and Mr Silver recommends 20 Rupees as the salary for Tuticorin. Captain Franklyn's opinion is requested regarding the proper number and salary of Clerks at each station, 15 Rupees being in my opinion the lowest salary suitable.

One Clerk is I think sufficient for each M. Att. with the exception perhaps of Coconada and Cochin. At the former 25 Rupees a month are allowed for one clerk, with the permission of port this sum is divided between two who receive 16 and 9 Rs respectively.

At Cochin there must be employment for more than one Clerk. The port fund is however only just emerging from debt and I imagine this to be the reason why the M. Att. who I believe keeps a private clerk at his own does not apply for more assistance. When the fund is in a more flourishing state that as well as the increase of his own salary may well come under consideration.

Clerks are more readily obtained in some places than in others, and the cost of living varies in different ports. Hence the irregularity in the rate of remuneration. I think with Mr Pelly that 15 Rupees a month should be the lowest salary where only one is entertained.

I am aware that at Cochin it is difficult to obtain a good Clerk under 25 Rs, but I do not think it necessary to increase that rate, although hereafter it may be advisable to appoint a second.

	No.	Present salary	Proposed by Collector No.	salary	Superintendent of Marine's opinion No.	Salary	Reasons
		Rs					
1 Vizagapatam	1	12	2	15 / 12	1	15	
2 Coconada	1	25	1	25	2	16 / 9	
3 Masulipatam	1	10	1	15	1	15	
4 Negapatam	1	15	1	15	1	15	
5 Tuticorin	1	15	1	20	1	15	
6 Calicut	1	10	1	20	1	15	
7 Cochin	1	25	1	35	1	25	a second to be added hereafter
8 Paumben Pilot	1	15	1	15	1	15	

To these should be added one Clerk at 15 Rs for Paumben if a M. Att. be appointed there.

posed

3 Boat Establishment

The pay of the Boatmen and the Boat Tindal varies at different Ports. It seems to me that the pay of the Boatmen should be 7 Rupees each every where and that the Tindal of the Boat should have 8 Rs. But the pay at Cochin is much higher it seems at present viz Rs 11 for the Tindal and 8½ Rs for the men. There may be special reasons for this. Captain Franklyn will be so good as to favor me with his opinion on the subject. The Ports at which a Boat Establishment is entertained are it seems the following

	No of Tindals	Salary	Boatmen No	Boatmen Pay	Recommended by Supdt of Marine: Tindals No	Tindals Pay	Boatmen No	Boatmen Pay	Reasons
1 Cocanada	1	8	5	35	1	8	5	35	
2 Masulipatam	1	7	4	20	1	7	4	20	28?
3 Paumben	"	"	4	16	..	..	4	28	
4 Tuticorin*	1	7	4	24	1	8	4	28	
5 Cochin	2	11	4	20	1 / 1	11 / 8	6 / 4	51 / 20	for all boat [illegible] Report last

* There is no Establishment at Tuticorin but the Collector recommends this Establishment

Captain Franklyn is requested to regulate the number as well as the salary he wants on consideration deem proper for each Port.

I concur with Mr Tilly in thinking 7 Rs a month proper wages for boatmen and 8 Rs for tindals but he will notice in the statement sent with my letter of 27th Sept last No 3999 that these are the rates I therein recommended. The only exception was in the port of Masulipatam, the arrangements which I did not propose to disturb as I anticipated an early change in the circumstances which would warrant a considerable reduction of establishment. The port of Masulipatam is not much employed and as the port is in debt I do not recommend increase.

At Cochin labor is higher and the rates there established are absolutely necessary to enable the [illegible] to obtain efficient [illegible]

There is an error in the rates set down for Cochin this are what appear in my column of recommendation.

The note regarding Tuticorin is likewise erroneous, the establishment set down being actually employed.

Pereira

4 Master Attendants Peons.

4 It is desirable to have the number of Peons necessary for each Master Attendant settled on some principle. It seems to me that 2 Peons should suffice for Office duties. The number now entertained and that recommended by Collectors at the Ports, both where a Master Attendant is now located and at Ports where the Collectors propose to have a Master Attendant, is as follows:—

Six rupees is I think the proper pay for a peon.

Ports	Present No	Proposed by Collr No	Recomd by the Supdt No	Reasons
1 Munsurcotah*	"	2	–	
2 Calingapatam	"	2	–	
3 Bimlipatam	–	7	1	
4 Vizagapatam	1	7	1	
5 Cocanada	3	3	3	
6 Masulipatam	2	2	2	
7 Nizapatam	1	1	1	
8 Tuticorin	1	2	1	
9 Calicut	*2	"	2	* two now on pay
10 Cochin	3	3	3	

* These 3 places have at present no Master Attendant but one is recommended by Collector

I should have proposed 5 Rs as sufficient for the peons at outports but as Mr Tilly considers 6 the proper pay there can be no objection. They should I think be paid the same as the S.C. peons.

In many ports one peon is sufficient for the work to be performed. I have noted the number I propose, observing that I have allowed the Masulipatam establishment to stand at its present strength pending contemplated alterations in the route for troops and stores to and from Hyderabad.

proceed

5. Flag Staff Establishment.

I come now to the Flag-staff Establishment and here I am at some loss to regulate the salaries of the servants. Captain Franklyn is of opinion that pensioned Sergeants are the best description of persons to have charge of the Flag Staff and probably the salary of 21 rupees paid to the signallers at some places is paid to European pensioners. But the salaries of the signallers vary from 7 Rupees to 21 Rupees. The work of the signaller is I suppose of the same nature at all Flag staffs though it is of course more constant at one port than another. The signaller should be a man of some little intelligence, I think his salary should not be less than 15 Rupees a month, which would secure the services of a Native or East Indian and

and would also be acceptable to a European Pensioner. But at some ports a higher salary may be required. The pay of the Lascar should perhaps be 7 rupees.

At some Flag staffs there is simply a Lascar. I should like to know what his duties are. I presume he has nothing to do with signalling further than hoisting the Ensign when a ship comes in sight.

At some staffs there is a signaller and one Lascar at others two Lascars besides the signaller. I suppose it depends a little upon the kind of Flag staff, and its position, what number are required. But it occurs to me that where the staff is near a Custom House, one signaller and one Lascar would be ample. I would particularly request the Superintendent of Marine to examine the present establishment at each Flag staff.

I have carefully considered the flagstaff establishment and have set down the rate I think necessary for each. The signallers should be Europeans or East Indians and where I have set down the higher rate it is at ports at which most assistance cannot be afforded from the [illegible] department or where the place is a considerable resort for European Ships.

At Ganjam, Munsoorcottah and Calingapatam a steady European pensioner would be useful not only to attend to signals but as an assistant to the [illegible] in managing the boatmen and in dealing with English sailors. At the other ports in Ganjam a Lascar is merely required to look after the flagstaff, attend to the rigging, and hoist the flag when a vessel approaches.

Bimlipatam, Vizagapatam and Cocanada are much resorted to by European Ships good signallers are therefore required and two Lascars to assist.

Masulipatam has boatmen who can assist in signalling and there are few English ships touching there. At present there are 3 signal Lascars who were formerly paid in the Mily department. On the abolition of the Arsenal these were transferred to the Marine department and might be kept on pending the contemplated arrangement before alluded to.

Ishapillay has a small flagstaff. The port is principally visited by native vessels to load salt and no separate Marine establishment seems necessary.

Cuddalore has but few European [illegible] trading there and having the Station for European pensioners, a signalman can readily be obtained at the rate now paid viz. - 15 Rs a month.

Porto Novo requires but one Lascar to hoist flags, the trade being principally confined to small Country craft.

Tranquebar is more frequented by Country and some few European ships and requires to be better supplied in this respect.

Negapatam is now visited by many English ships bringing Railway stores and should have a good signaller.

Paumben also requires a good signaller as small steamers and Country craft pass through the passage.

Tuticorin is set down for 5 signalmen but this is [illegible]

posed

and then say what, in his opinion, should be the future Establishment

Ports	Present Establt. Signallers No.	Salary	Lascars No.	Salary	Recomd by Supt. of Marine Signallers No.	Salary	Lascars No.	Salary
Ganjam	"	"	"	"	1	21	1	7
Munsercotah	"	"	1	7	1	21	1	7
Soonapoor	"	"	"	"	–	–	1	7
Baruah	"	"	"	"	–	–	1	7
Poondy & Bapanapadoo	"	"	"	"	–	–	1	7
Calingapatam	"	"	"	"	1	21	1	7
Bimlipatam	1	21	2	10	1	21	2	14
Vizagapatam	1	21	2	10	1	21	2	14
Coconada	1	10½	1	6	1	21	2	14
Masulipatam	3	15¾	"	"	–	–	1	7
Iskapally×					–	–	–	–
Cuddalore	1	15	1	5	1	15	1	7
Porto Novo	"	"	1	4	–	–	1	7
Tranquebar	"	"	2	8	–	–	2	14
Nagapatam	1	10	1	7	1	15	1	7
Paumben* ※	"	"	"	"	1	21	1	7
Tuticorin	"	"	"	"				
Mangalore⊕	"	"	"	"	1	21	1	7
Cannanore⁂	"	"	"	"	–	–		
Tellicherry	1	7	1	4	1	15	1	7
Calicut	1	7	(3)	11	1	15	2	14
Cochin	"	"	2	11	1	15	1	7

Note.
× Collector recommends a Flag staff at Iskapally.

※ Do Do
* instruction unsanctioned

⊕ Do by Supdt. of Marine.

⁂ Do Do

There are now two [illegible]

6. Lights.

Lights are recommended at Bimlipatam and Vizagapatam by the Collector.

I do not think that lights are needed at either of these ports [illegible]

I do not know whether the superintendent of Marine would wish to modify his opinion that no other Lights than those now existing are necessary with respect to these two places.

a confusion the navigator unless they can be very readily distinguished the one from the other.

At five† Light Houses detached from Custom House Stations there is a superintendent on a superior rate of pay (52 Rs.) with generally 6 lascars and in 2* of them a Tindal also.

†1. Conadavor Suntapally*
1. Hope Island
1. Point Divi — *
1. Munapuli or Armagon
1. Pulicat
5

It is always necessary where a light is not under the immediate supervision of a Mr Attendt or Supt of Sea Customs to appoint an European or East Indian Superintendent. I do not however think that the salaries now paid need be increased in the class of men holding these appointments are well paid at 52 Rs a month.

It appears to me that a Tindal is not necessary where there is a superintendent and if the superintendent of marine sees no objection — I propose to fix the establishment at these 5 lights as below, subject however to any modification in the number of lascars (presently to be referred to) that Captain Franklyn

posed

Franklyn may suggest.

It will be observed that for the reasons assigned by Captain Franklyn, an Assistant Superintendent or rather a Tindal on a higher rate of pay of 15 Rs. is given to Suntapully.

A washerman's pay is allowed for each which I assume is necessary at all if necessary at one. If the Superintendent is of opinion that a washerman is not required, but that the Lascars should clean the lamp cloths, he can exclude this item, which at events, if necessary at all, should form an item in contingent charges, rather than an item of establishment.

Four lascars are now allowed. I suppose this number has been found to be necessary but at other lights I

At Sonadel [?] Santapilley [?] recommended a rating [?] of 21 Rupees a month. I have no objection however to this being reduced to 15 Rs. for which an intelligent tindal could be engaged equal to the entire care of the light in case of the Superintendent's temporary illness.

The Supt. amount is paid at some of the lighthouses as an allowance to a washerman. It is probable the clothes are washed by the light keepers who divide the Supt. amongst themselves. It may be considered that a requisite and should be established at all but as Mr Pelly says it should form a contingent charge.

The lights are of different sizes and some like Santapilley are first lights requiring much care and vigilance — others like [illegible] stations are [illegible]

I find only 3 and 2 lascars. They all have possibly much the same duties viz: watching the lamps at night only and cleaning them in the day. I would therefore beg the Superintendent to inform me whether the establishment of Lascars at each light may not be revised. It is probable that more men may be required at out of the way places than at the Custom House stations. A Tindal it is observed is allowed at some places and Lascars only at others. When there is no Superintendent I think it is desirable that a Tindal should be allowed as there should be some immediately responsible person for so important a duty. The pay of this man should also be better than that of Lascar and I propose to adopt the rate of 10 Rupees

port lights. Hence the difference in the establishments.

In the table at the conclusion of this paper I have set down the establishments I would propose at each which with three exceptions coincide with Mr Pelly's recommendations. The Armeghon and Pulicat lights are each assigned 2 lascars only by Mr Pelly. They are both in the most dangerous parts of the coast where inattention to their efficiency might lead to serious disaster. I consider therefore that three men are absolutely necessary to ensure strict attendance throughout the night.

Tuticorin also is an important light situated 2¾ miles from the main on an island surrounded by dangerous reefs with

posed

which I see recommended in some places.

The present establishment and that proposed by me (subject to the modification in the number of Lascars or in other respects which Captain Franklyn may suggest) is entered below, for the superintendent of Marine's notes.

Light Establishments

Stations	Present						Proposed by Mr Pelly						Modified by Supt Marine					
	Supt		Tindal		Lascar		Supt		Tindal		Lascar		Supt		Tindal		Lascar	
	no	Pay	no	Pay	no	Pay	no	Pay	no	Pay	no	Pay	no	Pay	no	Pay	no	Pay
1. Conadaroor Soontapully	1	52	1	6	5	23	1	70	1	15	4	28	1	52	1	15	4	28
2. Hope Island	1	52	1	6	5	23	1	55	1	10	4	28	1	52	1	10	4	28
3. Masulipatam	"	"	1	10	2	14	"	"	1	10	2	14	"	"	1	10	2	14
4. Point Divi	1	52	"	"	4	24	1	55	"	"	4	28	1	52	"	"	4	28
5. Moonapooly or Ketnavogaum	1	52	"	"	4	22	1	55	"	"	2	14	1	52	"	"	3	21
6. Pulicat	1	52½	"	"	3	18	1	55	"	"	2	14	1	52			3	21
7. Vizagapatam	"	"	1	10	2	14	"	"	1	10	2	14	"	"	1	10	2	14
8. Pamben	"	"	"	"	2	12	"	"	1	10	2	14	"	"	1	10	2	14
9. Tuticorin	1	9	"	"	4	24	"	"	1	10	2	14	"	"	1	12	4	28
10. Mangalore	"	"	"	"	2	11	"	"	1	10	2	14	"	"	1	10	2	14
11. Cannanore	"	"	"	"	2	10	"	"	"	"	1	7	"	"	1	10	2	14
12. Tellicherry	"	"	"	"	2	10	"	"	1	10	2	14	"	"	1	10	2	14
13. Calicut	"	"	"	"	5	26	"	"	1	10	4	28						
14. Cochin	"	"	1	6	4	20	"	"	1	10	4	28						

Pelly
Member

which Ships anchor and load. It requires therefore to be well attended and I would not only keep the number of Lascars at its present strength but would augment the tindal's salary to 12 Rupees a month.

I would establish a graduated scale of wages for the light keepers keeping the average at 7 Rupees each. Where 2 are employed they would have 6½ and 7½ Rs each. With 3 the rates would be 6, 7 and 8 Rs. And when the establishment consists of 4 the wages would be 5½, 6½, 7½ and 8½ Rs. This is a system adopted at Madras where it answers well.

In no 1589

In no 933.

R 1665/61.

Rec'd 28th September 1861

Mar Pro. D
No 224

Marine. 20 18.

Proceedings of the Madras Govt.

Read letter from Mr.
C. Pelly, Member of
the Board of Re-
venue ——— Dated 12th July '61 No 993.

Order – 28th September 1861 No 312.

Mr. Pelly submits
his report on the
revision of the Ma-
rine Establish-
ments at the Out-
ports.

2. Master Attendants.

— The changes pro-
posed

proposed in respect to these officers are shown below:—

	Present.	Proposed.
Bimlipatam	"	200
Viragapatam	200	125
Cocanada	350	350
Masulipatam	200	200
Negapatam	105	125
Tuticorin	200	200
Calicut	105	200
Cochin	200	350
Saumbers/Head Clerk	100.	100
	Rs 1,460.	Rs 1,850.

Mr. Pelly supports the recommendation of the Collector of Gan-jam that a Master Attendant should be appointed to one of the ports in that district, on the ground that where there is a very large trade, the Superintendent of Sea Customs will not be able to do justice to his additional duties as Conservator of the Port. Mr. Franklin, however, is not favorable to the proposal, apparently on acct. of the low state of the Port funds in that district.

3.

Ganjam.
Munsoopeottah.
Calingapatam.
Coringa.
Cuddalore.
Tranquebar.
Mangalore.
Cananore
Tellicherry
Paumben

3. Conservators. It is suggested that the Superintendents of Sea Customs, at the ~~head~~ ports named in the margin, & the Head Pilot at Paumben should be appointed Conservators with an allowance of Rs 30 a month, in addition to the salary of their substantive appointments.

4. The revised Office Establishments

Establishments of the Master Attendants will consist of one or two writers, with one, two, or three peons. The salarys of the sole writer will be not less than Rs 15 a month. When there are two writers, they will receive Rs 20 & 15 respectively. The pay of the peons will be uniformly Rs 5 a month, except at Cochin, where Rs 6 are allowed. As writerships & peonships will be continued

For the Report Boat at Cochin, 2 additional boatmen on Rs. 7 each a month are employed during the working season, or for nine months in the year. During the same period, the regular crew receive extra pay at the rate of Rs. 3 for the Tindal, & Rs. 2 for each boatman. The expense of this arrangement, viz., Rs 225 in the year, is borne by the Govt. share of the pilotage at Cochin.

6.

6. Flag Staff Establishments. In view to the general employment[+] of European Pensioners or East Indians, who will be useful also as assistants to the Conservators, in managing the boat people & in dealing with English sailors, the pay of this grade is raised to Rs. 20 & 15. That of the Lascars will be uniformly Rs. 7 ℔ month. The establishments proposed are :—

[+] as Signallers,

Bimlipatam, Viragapatam, Cocanada	One Signaller on Rs. 20 & two Lascars Rs. 34	102

Carjam Munsoorcottah Calingapatam Paumben Mangalore	One Signaller on Rs. 20 & one Lascar — Rs. 27 @ 5 —	135
Calicut — One signaller on Rs. 15 & two Lascars —		29.
Cuddalore Negapatam Pellicherry Cochin	One Signaller on Rs. 15, & one Lascar —	88.
Tranquebar — Two Lascars —		14
Sonapore Barwah Poondy including Ramanandoo. Masulipatam Porto Novo	One Lascar — Rs 7 @ 5 —	35.
	Rs.	403.

The erection of a Flag Staff at Paumben has been sanctioned. Flag Staffs will also have to be erected at Mangalore and Cannanore. For the latter no Marine establishment will be required, as it can be worked by the Military at that station.

The present Flag Staff establishments are as shown below —

Munsoorcottah — 1 Lascar —	7	—
Bimlipatam, Viragapatam — each 1 Signaller — 21. 2 Lascars 5-10	62	—
Cocanada — 1 Signaller — 10.8 1 Lookout peon — 6	16	8
Masulipatam — 3 Lascars @ 5¼ —	15	12
Cuddalore — 1 Signaller — 15 1 Lascar — 5	20	—
Porto Novo — 1 do —	4	—
Tranquebar — 2 do @ 4 —	8	—
Negapatam — 1 Signaller — 10 1 Lascar — 7	17	—
Pellicherry, Calicut, Cochin — each — 1 Signaller — 7 1 Lascar — 4	33	—
Rs.	183	4

7. The Light House Establishments vary according as they are Coast Lights — or mere Port Lights — or, from being in isolated positions, are not under the immediate control of a Master Attendant or other Officer. The pay of a Superintendent is fixed at Rs. 55 a month. The Head Light Keeper will receive Rs. 15 at Santipilly — Rs. 12 at Julipilly — Rs. 12 at Jutiopin — & Rs. 10 at the other Places. The Light Keepers will receive Rs. 6 & 7 respectively, or Rs. 13 altogether, when there are two of them — Rs. 6, 7, & 8, or Rs. 21, when three are on the establishment — & Rs. 6, 6, 7, & 8, or altogether Rs. 27, when four Keepers are employed. The revised scale will be as follows —

Conadale on the Santipilly Rocks.	A Superintendent, Head Light Keeper, & 4 Light Keepers	97
Hope Island — do		92
Point Divi —	A Superintendent & 4 Light Keepers	82
Monapollium on the Armeghom Shoal — Pulicat —	Each a Superintendent & three Light-Keepers 76 x 2	= 152

Forward 423

Forward 1423

Tuticorin	One Head Light Keeper & 4 Light Keepers	39
Calicut, Cochin	Each one Head Light Keeper & 4 Light Keepers – 37 × 2 =	74.
Masulipatam. Negapatam. Paumben. Mangalore. Cannanore Tellicherry	Each one Head Light Keeper & two Light Keepers – 23 × 6 =	138
Coompta	Two Light Keepers –	13
	Rs.	687

The existing establishments are shown below; —

Santipilly	1 Supdt. — 52 1 Tindal — 6 4 Lascars @ 5½ — 22	80.
Hope Island	As above —	80.
Masulipatam	1 Tindal — 10 2 Lascars @ 7 — 14	24

Forward 1847

27 25

Forward 1847

Point Divi	1 Supdt — 52 2 Lascars @ 7 — 14 2 do @ 5 — 10	76
Monapollium	1 Supdt. — 52 3 Lascars @ 7 — 21	73.
Pulicat	1 Supdt. — 52½ 3 Lascars — 18	70½
Negapatam	1 Tindal — 10 2 Lascars @ 7 — 14	24
Paumben	2 Lascars @ 6 —	12
Tuticorin	1 Tindal — 9 4 Lascars @ 6 — 24	33.
Mangalore	2 do @ 5½ —	11
Coompta	2 do @ 5½ —	11
Cannanore	2 do @ 5 —	10
Tellicherry	2 do @ 5 —	10
Calicut	1 Tindal — 6 4 Lascars @ 5 — 20	26.
Cochin	As above —	26
	Rs.	566½

The wages of the Washerman are not to be considered as a charge coming under the head

Head of Establishment.

8. Mr. Pelly's scheme therefore, if carried out, will be at a cost of the present charge, by Rs. 1,112 ℥ mensem or Rs. 13,344 ℥ annum. The revised establishment appears to have been carefully considered by Mr. Pelly & the Superintendent

	Present.	Proposed.
1. Masters Attendants	1,460	1,850
2. Office Establishments	192½	253
3. Conservators	"	300
4. Boat Crews	240¾	262
5. Flag Staffs	183¼	403
6. Light Houses	566½	687
	Rs. 2,643	Rs. 3,755

Proposed — 3,755
Present — 2,643
Rs. 1,112 ℥ mensem.

Superintendent of Marine, & is no more than the progress of commerce has rendered absolutely necessary. It will accordingly be recommended for the sanction of the Govt. of India.

9. The Marine Budget for 1861-62, which has been conditionally sanctioned by the Govt. of India, will provide sufficiently for the increased charge

Sanctioned Expenditure.

1. Masters Attendants	17,520	
2. Office Establishments	2,364	
3. Conservators	3,600	
4. Boat Crews	2,568	
5. Flag Staffs	4,203	
6. Light Houses	7,950	Rs. 38,205.

Present Charge Rs. 2643 × 6 = 15,858 months.
Proposed do — " 3755 × 6 = 22530
Rs. 38,388.

charge, if the change does not take effect earlier than the 1st half of the current official year.

Civil Auditors Manual, Chap. III – para 76.

Novemr. next. Mr. Franklin will be so good as to furnish a statement shewing how much of the cost of the existing Marine Establishments at the out-ports is provided for out of the Port funds — how much if the proposed increase can be defrayed in the same way — & what will be the rate of mensem

mensem, in excess of the present expenses, to be borne by the State. He will also furnish a tabular statement for submission to the Govt. of India.

10. The Chief Engineer will be requested in the Pub: Wks: Dept. to prepare, in communication with Mr. Franklin estimates of the cost of erecting Flag Staffs at Cannanore and Mangalore.

J D S

Mr. C. Pelly, Member of the Board of Revenue.
The Supdtt. of Marine.
" Collectors of Maritime Districts. Viz. South Arcot. North Canara. South Canara. Ganjam. Godavery. Kistna. Madras. Malabar. Nellore. Tanjore. Tinnevelly. and Vizagapatam
" Civil Paymaster.
" Accl. Genl.
" Pub. Wks: Dept.
" Rev. Dept.

accepd. 1st October

Marine 1861 Sept.

No. 312.

Proceedings of the
Madras Govt.

Dated 28th Sept. 1861

Reviewing the report
of Mr. Polly on the revision
of the Marine Establish
ments at the out Ports
and request Mr. Frankin
to furnish a Statement
exhibiting the several
information called for
by Government.

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