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MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

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Proceedings of the Madras Government, Revenue Department,
21st August 1875.

No. 205. Read the following Proceedings of the Board of Revenue, dated 3rd July 1875, No. 1,844, Forest No. 129 :—

Read the following letter from Captain CAMPBELL WALKER, Officiating Inspector of Forests, to H. E STOKES, Esq., Acting Secretary to the Board of Revenue, dated Ootacamund, 24th May 1875, No. 143 :—

WITH reference to Board's Proceedings, No. 20-511, dated 7th March, and G. O., No. 1,313, dated 12th October 1874, I have now the honor to submit a complete scheme for the revision of the subordinate Forest Establishments throughout the Presidency prepared in intimate communication with the Collectors of Forest Districts and the Forest Officers in charge.

2. In considering the scheme now presented, I trust that the Board and Government will bear in mind that it is one more, properly speaking, of organization than of revision, for the department, started in 1858 under Dr. Cleghorn with a Travelling Assistant and a few Forest Peons, has extended gradually to its present condition without any systematic organization or comprehensive view of the duties of the several employés. Thus we find Overseers or Foresters on varying rates of pay irrespective of their standing in the department or nature of their duties; Sub-Overseers, Maistries, Pygusts, and Duffadars with analagous duties; and Forest Peons and Watchers employed in office or tannah stations instead of in the performance of their legitimate work in the forests. Numerous modifications have been made from time to time in the sanctioned scale with the approval of the Local Government, and there are considerable establishments employed as "temporary" and paid from the budget allotments under "Conservancy and Working"

3. The establishments therefore, at present consist, as a rule, of a number of atoms devoid of any cohesion, and wanting in all the elements which constitute organization and discipline without which no department can rightly perform the duties for which it is constituted.

In extending operations to any new revenue district or zillah, it has been customary merely to sanction the appointment of an officer of the controlling grade with the lowest possible staff of office and forest subordinates often very inadequately paid. The result has naturally been that the officer on comparatively high pay has been obliged to devote much of his time to details of office work, which should properly fall to an accountant or writer, or to the minutiæ of a forest police, which should be entrusted to forest guards or patrols. Supervision and real forest conservancy have suffered accordingly, not to mention the study and practice of real forestry and instruction of the subordinates in their duty.

No one can examine a statement of our establishments without being forcibly struck by these points and acknowledging that we have been expected to make bricks without straw, and that in most districts the department is all head without any body or legs.

4. I am sure that it is not the wish of the Board or Government that this state of things should continue, and have, therefore, sought, in the scheme which I have the honor to bring forward, to provide for the entertainment of adequate establishments for the performance of the details of office, executive, and con-

servancy duties, having due regard, at the same time, to economy and the financial position and prospects of the department.

5. The scheme now submitted has been drawn up after personal inspection of all the forest districts in the Presidency with the exception of those noted in the margin, which are, therefore, unaffected by it, the nomenclature of the several employés being merely assimilated with that proposed for other districts. I have also studied the admirable reports of Mr. Brandis, Inspector-General of Forests to the Government of India, on the revision of the subordinate forest establishments in Bombay in 1870 and Mr. Baden-Powell, B.C.S., the Officiating Inspector-General, on the same subject for British Burmah in 1873, and availed myself freely of the valuable hints which they contain.

Ganjam, Vizagapatam, and Godavery.

6. It is of little moment that the general system of organization of the Forest Department in this Presidency differs at present from that of the rest of the empire. Whether we consider it as part or parcel, or as a separate branch, of the Revenue Department, it has certain duties to perform, and it is imperative that it should be placed in a position to do so by having adequate and fairly-paid servants with prospects of promotion not inferior to those of other departments.

7. As regards nomenclature, I experienced some difficullty in fixing on a suitable title for the executive officers hitherto known as Overseers or Foresters. I now recommend that they should be styled "*Forest Rangers*," which has the advantage of being distinctive and is in accordance with the classification which it is intended to adopt for the future in the provinces under the Government of India (*vide* Mr. Hume's letter to Chief Commissioner of British Burmah, No. 802, dated 28th July 1874, paragraph 21, recorded with Resolution of Government of India, Nos. 917-928, dated 12th August 1874).

Below them I propose a grade of *Sub-Rangers*, and retain the designation of "*Forester*" for all forest guards or patrols, many of whom are now designated peons, watchers, &c.

Under this classification the District Forest Officer will administer (under the Collector or Conservator's orders) a division consisting of one or more *ranges* embracing the forests of from one to three taluqs. The ranges will be sub-divided into sub-ranges, arranged so that each forest taluq shall have at least one responsible forest subordinate, and each sub-range will consist of several blocks or beats for which a *Forester* will be held responsible.

The extent of these beats, sub-ranges, and ranges will still be far too large to admit of efficient conservancy, but I apprehend that the area of purely State forest for which alone the scheme provides will gradually be considerably circumscribed as demarcation, survey, and settlement operations progress; we shall then be able to concentrate our staff on a more limited area with, I feel sure, the best results. Of course, if the Government prefer it, the nomenclature in force in other provinces under the Government of India may be adopted throughout. "Sub-Rangers" would then be styled "*Foresters*" and "Foresters" "Forest Guards."

8. I must here allude incidentally to an idea which I fear is too common amongst those who have not studied forest, *viz.*, that any large indigenous

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forest is practically inexhaustible. I do not believe in any of our forests being *inexhaustible* if not preserved and conserved on some rational system. So long as fire devastates them each year, and they are exposed at all seasons to the damage done by goats, cattle, and cowherds, so long as "selection felling" (Jardinage-planter-betrieb,) removes all the better descriptions of timber trees directly they attain, or approach to, maturity, no forest of whatever extent can be considered inexhaustible. On the other hand, I have no hesitation in affirming that one-twentieth, or probably even one-hunredth, part of our forests in this Presidency would suffice for all wants, and be really and practically inexhaustible if properly protected, conserved, and worked on a rational system with working plans carefully prepared and revised from time to time as circumstances required.

9. My scheme provides for (1) adequate office establishment for the District and Range Officers; (2) an executive staff in the shape of Forest Rangers and Sub-Rangers; (3) Forest Guards and Patrols designated Foresters, whose duties will be exclusively in the forests. Working establishments will be employed as required, and charged against the work whether it be felling, dragging, and carting of timber, planting, firewood reserve operations, &c., their pay being provided for each year in the budget and drawn on bills against "A, Conservancy and Working" as prescribed in accordance with G.O., No. 147, dated 27th January 1875.

It is proposed to entrust the recovery of permits mainly to the village officials who receive a percentage of from five to ten per cent. on their issue, but where this is not possible tanna peons will be entertained and their cost debited against the license and voucher system in the same manner as the percentage alluded to is now shown. We shall thus arrive at more definite conclusions as to the cost of our operations, and relative advantage of the different systems of working, and secure, in the case of the license and voucher system, the advantage of a double check, *i.e.*, by the Foresters in the forest, and by those authorized to demand and recover the licenses outside.

10. *Office Establishments.*—I have, after careful consideration, been able to divide all divisional office establishments into first and second class, the first class consisting of eight employés at a monthly cost of Rupees 125, and the second class of six at a monthly cost of Rupees 87 (except in two divisions—Wynaad and the Nilgiris—where a slight deviation from the usual scale has been found necessary).

The designation and pay of the employés proposed for each class are as follow:—

1st-Class Office.	Rs.	Rs.
1 Head Clerk	45	
1 Second do.	25	
1 Third do. (Vernacular) ...	15	
	—	85
1 Duffadar	10	
2 Peons, at Rs. 8 each	16	
2 Do. at ,, 7 ,, ...	14	
	—	40
Total...		125

2nd-Class Office.	Rs.	Rs.
1 Head Clerk	30	
1 Second Clerk	20	
1 Third do. (Vernacular)	15	
	—	65
1 Head Peon	8	
2 Peons, at Rs. 7 each	14	
	—	22
Total...		87

The Head Clerk will have charge of the compilation of the accounts and periodical returns, which are numerous, and general management of the office.

He will, as a rule, remain at head quarters, forward letters, &c., to the District Forest Officer when on tour, and furnish any information required by the Collector or Treasury Deputy.

The Second Clerk will have charge of the English correspondence, copying and registering all letters received and despatched, &c.

The Third Clerk will, in like manner, have charge of the vernacular correspondence. One or both will, as a rule, accompany the district office on circuit, so that routine correspondence, &c., may be carried on as usual.

It is indispensable that a Forest Officer should have an adequate staff of office peons to attend on him at office and on circuit, carry letters or orders, arrange for supplies, &c. Hitherto it has been too much the custom to give him only two, or in some cases none at all, which necessitated his taking away Forest Peons or Tannadars from their beat or station to the detriment of conservancy and loss of revenue to the State. Considering the out-of-the-way places which a Forest Officer has to visit, the difficulty of getting carriage and supplies, and the fact that one or more of the peons is generally down with fever, I think the Board and Government will allow that I have not fixed the scale of office servants too high.

It does not appear necessary to say anything more as to the scale of District Forest Office Establishments proposed, which compares favorably with that allowed for a Head or Special Assistant's Office (Rupees 177), or that of a Deputy Collector on general duty (Rupees 130), who have, as a rule, charge of only two or three taluqs.

11. I have entered one Vernacular Clerk (Rupees 15) and one Peon (Rupees 7 or 6) as office establishment for each Forest Ranger, and one Clerk on Rupees 25 and two Peons on 7 Rupees each for each Sub-Assistant Conservator. This I consider indispensable. At present most of our Overseers spend much valuable time in writing and copying urzees, yadasts, &c., and translating vernacular accounts, which should be done for them by the Clerk or Gumasta now provided for, who would, at the same time, gain an insight into the system of departmental working and be eligible for a Sub-Ranger's post or transfer to a Taluq Cutcherry Establishment if out-door work and travelling be found distasteful. The Peon will attend on the Ranger at office and on circuit, carry his tappals, and obviate the necessity of his taking away *Foresters* or Tanna Peons from their legitimate duties.

All these district establishments should receive batta when travelling under the same rules and at the same rates as those prescribed for subordinates in the Revenue Department on similar rates of pay (Standing Order of the Board of Revenue, No. 407-3).

12. There remains now only the Inspector's Office to consider, in which I include the Account Branch transferred to the Board in 1872.

It has appeared to me that it was not the intention or wish of Government to divorce, so to speak, the Inspector from his Office Assistant and the main portion of his office. Whether the audit of Forest accounts be entrusted to the Inspector (Conservator) or not, they must, if we are to secure economy and efficiency, be compiled, checked, and the expenditure controlled under professional eye, and I have, therefore, in my memorandum, dated 20th February 1875, submitted with

reference to G.O., No. 1,340, dated 17th October 1874, advocated that, if our system remain as it now is, the Inspector should be transferred along with his office, and become the Board's representative or Secretary for Forest matters, retaining the right to express his individual opinion (*qua* Inspector) on professional Forest matters for the information of Government.

I have, however, drawn up the scheme for the head office, so that it may serve whether it be considered as one or two separate offices, the result being an increase of only Rupees 24 in the monthly cost due to increase of pay to the Head Accountant and Head Clerk, both old servants in the department, which has been several times recommended and postponed pending this revision.

The present Assistant must, of course, continue to receive Rupees 300 (Rupees 50 being considered a personal allowance, which I think should be increased by biennial increments of Rupees 50 to Rupees 400). The Head Clerk and other members of the correspondence or travelling office should, I think, receive a fixed allowance of twenty-five per cent. in addition to their pay whilst at Ootacamund owing to increased cost of living, house-rent, &c., on the hills, and at other times be entitled to travelling batta according to the rates laid down for the members of the office establishment of the Chief Engineer for Irrigation. There is no more arduous or disagreeable duty for an office-hand than travelling with the Inspector of Forests; and, as it is indispensable, if he is to make proper tours, that he should have one or two clerks with him, Government will, I am sure, grant them liberal batta.

Of the office servants, two or three will, as a rule, be absent in turn with the Inspector on tour, and the remainder remain at the Ootacamund Office and Chepauk, attending to office duties and ready to replace those who get sick on circuit. The details of the present and proposed establishments for the head office are as follows, the cost remaining, it will be remarked, much lower than for that of any other head of a department:—

Office of the Inspector of Forests.

Sanctioned Scale.	Rs.	Rs.	Proposed Scale.	Rs.	Rs.
			Account Branch.		
1 Assistant	300		1 Assistant	250	
2 Accountants, at Rupees 50 each	100		1 Head Accountant	75	
1 Accountant	40		1 Second do.	50	
1 Clerk	25		1 Record-keeper	45	
2 Clerks, at Rupees 10 each	20		1 Copyist	20	
1 Record-keeper	20				440
		505			
			Correspondence.		
1 Head Clerk	75		1 Head Clerk	100	
1 Draughtsman	40		1 Registrar	40	
2 Peons, at Rupees each	16		2 Clerks, on 30 Rs. and Rs. 20	50	
4 Peons, at Rupees ,,	28				190
1 Sweeper	3				
		162	For the whole office: 1 Moochee	12	
			1 Duffadar	12	
			2 Peons, at 8 Rs. each	16	
			3 Do. at 7 ,, ,,	21	
					61
Total		667	Total		691

13. The total cost of the office establishments now proposed is Rupees 2,892 per mensem, or Rupees 34,704 per annum, thus:—

	Rs.
Office of the Inspector of Forests.	691
District Office Establishments	1,463
Ranges including that of Sub-Assistant Conservators. ...	733
Total...	2,892

It is impossible to state accurately the present cost, as employés classed as Duffadars and Maistries are employed as Clerks, and Forest Peons in office duties, besides which there are considerable temporary office establishments sanctioned from savings under working establishments pending the submission of this scheme.

14. Some Collectors apply for an extra Clerk in their own cutcherries to attend to Forest accounts and correspondence, but I do not consider that this is necessary or advisable. If our organization remains as at present, or indeed in any case, the District Forest Offices must all, sooner or later, be in, or adjacent to, the Huzur Cutcherry of which the Deputy Conservator's Office will form part and parcel, the Head Clerk of his office being, during his absence, available for the collation and preparation of all forest statistics, statements, &c.

15. In considering the matter of office establishments, I beg that the Board and Government will bear in mind that nothing ties a controlling officer more to head quarters and his desk than a bad or under-manned office. There is, I consider, no greater misapprehension than that a large office means much writing and office work for its head; in most cases I think it quite the reverse. With an adequate office establishment one is free to move about and supervise, and I may state that for many years in Salem I employed and paid an extra writer from my own pocket, which alone enabled me to travel and organize the department in a manner which I believe gave satisfaction. More recently I observe that the South Arcot Forest Officer (Mr. Wooldridge) has done the same. "I am sure," as the Collector writes, "the Government never intended that such a burden should be thrown on any of their servants."

I should be inclined to encourage promotion from the office into the executive branch and *vice versa*: thus a Ranger's Gumasta would often make a good Sub-Ranger, and a Sub-Ranger a Head Clerk pending promotion to a Ranger's post. Almost all our best Native Overseers have been trained in the Deputy Conservators' offices before entering the executive branch.

16. *Forest Conservancy Establishments.*—Government having in paragraph 22 of Government Order, No. 148, dated 24th January 1872, alluded to the necessity of creating a grade on a higher rate of pay than Rupees 100 per mensem to which Overseers of long service and good conduct should be promoted, I have provided for four Sub-Assistants, two on Rupees 200 and two on Rupees 150 per mensem. These will be the prizes to which Forest Rangers may look forward, the Assistant and Deputies' grade being closed to them, except under especial circumstances, by recent orders with regard to the entertainment of trained officers from England. The pay of the grade in the Forest Department under the Government of India is Rupees 200, and, whilst I consider it sufficient, it cannot

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be considered too liberal for an upper subordinate of experience, who will be employed either in charge of a small division, such as Trichinopoly or Gumsur, or a sub-division under the Deputy Conservator.

These officers might really be considered as part of the controlling establishment, and take the place of the Probationary Assistants to which grade no further appointments are to be made—G.O., No. 1,404, dated 6th November 1874. I see that Mr. Brandis in his Bombay report so considers them, but I have thought it preferable to include them in this revision scheme although they are really four new appointments.

17. I provide for twenty-seven Forest Rangers, *viz.*, five 1st class on Rupees 100 + 25 horse allowance, five 2nd class on Rupees 80 + 20 horse allowance, and seventeen 3rd class on Rupees 60 + 15 horse allowance per mensem, the existing strength being thirty drawing Rupees 50 per mensem and upwards.

18. I recommend a fixed monthly horse allowance of Rupees 25, 20, and 15 *plus* a daily batta whilst travelling of Rupee 1, Annas 12, and Annas 8 respectively, the latter to be paid in accordance with the rules laid down for other departments as to distance travelled, &c.

The monthly allowance will only suffice for the feed and keep of a horse or pony, which is indispensable. A certificate to the effect that one has been maintained, and in certain ranges a small tent, should be required quarterly from each Ranger. The daily allowance will help to pay for carriage whilst absent from head quarters. A Ranger must either take a cart or several coolies with him whilst marching, and it is very necessary that he should not find himself out of pocket by the performance of this important and arduous portion of his duties. Overseers in the Department of Public Works draw, I believe, double and treble allowance (Rupees 30 and 45) according to the size or situation of their taluq, whilst the extent over which they have to travel is comparatively small and means of communication good compared with what our men have.

19. I have also provided for six Probationary Forest Rangers on Rupees 50 per mensem, and Annas 8 per diem batta whilst absent from head quarters. There will be men in training and available at any moment to fill vacancies, a want which is now much felt.

They will be recruited from (1) the ranks of the sub-rangers who have qualified for admission to the Ranger's grade, (2) applicants of a superior class and education (especially Europeans) for direct appointment to the Ranger's grade.

They will, under the orders of the Inspector, be sent to do duty in various ranges so as to obtain a practical knowledge of the different branches of Indian forestry, *e.g.*, conservancy, reproduction (natural or artificial), felling, removal of the forest produce to market including the construction of forest roads, license and voucher system. It is hoped also that many may be trained in elementary surveying and mapping.

20. I consider that too much weight can hardly be placed on the careful selection and training of the Forest Ranger, and that on him, more perhaps than any other of our officers, depends the efficient and judicious working of the department under whatever rules or regulations it may be organized. Owing to the

great extent of most of our forest divisions he is virtually the executive officer corresponding to the German "*Ober forster*," who is there regarded as the main stay of the system. As Mr. Brandis says in paragraph 55 of his Report, No. 208, of 18th June 1870, "eventually the executive management of the forests should entirely be in their hands under the control of the District Forest Officers."

No one should be appointed until he has passed the prescribed vernacular test if a European or East Indian, or a test in English if a Native, and served as a probationer for at least six months to the satisfaction of the officers under whom he may be placed. Under the instructions contained in G.O., No. 21, dated 9th January 1873, the rangers will all be placed on a graded list and promoted according to seniority tempered by selection, special qualifications or fitness for a particular post being, of course, taken into account. Under this system, which is, I think, the only fair and reasonable one, promotion will not necessarily involve transfer to another range, and the district expenditure, which I have entered, may, therefore, increase or decrease from time to time according to the grade of the Rangers employed.

21. I trust that Government will allow all appointments and promotions in the Forest Ranger grade to be under the direct and sole control of the Inspector, who will, of course, consult the wishes of the Collector and District Forest Officers, and, if considered advisable, report appointments and promotions to the Board.

The Inspector alone has the opportunity and experience necessary to judge of the requirements of the several ranges and the fitness of men to fill them, and he should make it a point on his tours to examine the Rangers in practical forestry and inspect their office records, &c., making confidential notes with regard to each in a book to be kept for the purpose in his office. Under the system which I would propose the Sub-Rangers' appointments would be local by District Forest Officers, being merely reported to the Inspector for entry in a general register to be kept in his office. Those qualified for promotion in any district should then be brought to his notice periodically and drafted into the ranks of the probationers as vacancies occur. I am glad to observe that the Secretary of State has in a recent despatch called attention to the necessity of careful selection and training for Forest subordinates of this class (G.O., No. 658, dated 27th April 1875), and the subject will be fully dealt with in the report called for by this Government.

22. Provision is next made for forty-seven Sub-Rangers in two classes on Rupees 30 and 20 with batta whilst travelling in lieu of the present Sub-Overseers, Assistant Foresters, Maistries, Pygusts, Duffadars, &c. It is intended that a man of this class should be in charge of each block, which should in no case include the forests of more than one taluq, and be responsible for its conservancy and working under the Ranger's orders.

They will be recruited from the natives of the district, a knowledge of English not being deemed imperative, although, of course, advantageous and indispensable for promotion to the Ranger class. As already stated, Range Gumastas and 1st-class Foresters will be peculiarly eligible for promotion into this class, which will thus be open to any native who can read and write the language of his district entering as a Forester on Rupees 6.

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23. We next come to the large and important class of Foresters or forest guards in charge of "*Beats.*" The Government of India scale for this class provides for rates of pay varying from Rupees 12 to Rupees 6 per mensem. My rates (with one or two exceptions) are Rupees 8, 7 and 6, the same as Police Constables, very low if we consider the nature of the duties; and I should be glad if Government would allow a class on Rupees 10, to which a few of the men, not qualified for Gumastah posts, might be promoted in each district as "Head Foresters."

The Government of India scale classes Sub-Rangers as Foresters on Rupees 40—15, and the class to which I am now referring as "forest guards."

I know of no objection to the nomenclature, and perhaps the Board and Government will prefer to adopt it in preference to that of "Sub-Ranger" and "Forester."

24. It has hitherto been the custom in this Presidency to employ our "guards" in tanna or other duties quite away from the forest, of the extent and nature of which and its resources they are often quite ignorant. I provide for 288 Foresters or forest guards, and contemplate that each should have a "beat" for which he will be responsible to the "Sub-Ranger" or "Forester." The extent of these beats will at present, in most instances, be far too large, but matters in this respect may be expected to improve as we progress with demarcation, &c., and concentrate our attention more particularly on the State or reserved forests. As it is, even with a beat of five miles, an active man well looked after should, after a few months, know pretty well what it contains, and be able to check any unauthorized felling or damage within its limits; when felling takes place on permit he should satisfy himself that the wood-cutters have their permits, and do not remove produce other than, or in excess of, the quantities entered in them. In this respect the forest guard and village officer or Tannadar who recovers the permit will act as a check on each other.

25. With reference to Board's Official Memorandum, No. 29-435, dated 22nd March 1875, I propose that all our guards, Foresters and Rangers should be supplied with coats of a uniform color and pattern to be worn on all occasions when on duty. Forest guards should also wear a leather belt with the departmental badge round the waist, as belts over the shoulder are inconvenient and useless in the forest. This system of uniform has recently been introduced into the forests of the southern division, Bombay, with the best results, and I beg strongly to recommend it, and submit a pattern of the stuff which I propose to adopt. The price is Annas 12½ per yard, on which the German Mission at Mangalore will allow a discount of 10 per cent., if a large quantity, such as we should require, be taken.

Altogether, I fancy, we might calculate the cost at about Rupees 3 per coat, or say Rupees 1,200 per annum in round numbers. The coats could be warmly lined for hill use, in addition to which all Foresters or guards employed on hill ranges should be supplied with a good cumbly annually. Office Peons and Duffadars should also be supplied with coats and cumblies once a year. This is now done in most districts, as the Peons have to accompany the forest officers

into hill forests, and nothing is worse economy than having men prostrated with cold, wet, and fever for want of proper clothing.

I shall be prepared to work out the clothing scheme on the most economical basis, and arrange all the details if the Board and Government approve of the proposals generally. At present, several of our officers provide warm clothing to their office Peons and others on their establishments from their own pockets.

26. I do not consider it necessary to write more beyond a few explanatory remarks on each district. The scheme must speak for itself, and I submit it with confidence for favorable consideration.

It provides for a complete staff including four new appointments of Sub-Assistant Conservators, and six of Probationary Forest Rangers, at a total monthly cost of Rupees 9,529 against Rupees 7,549-8-0 now sanctioned. Deducting the new appointments, the increase is Rupees 823-8-0 per mensem, or Rs. 9,882-0-0 per annum; but this is, in reality, purely nominal, as the cost of the temporary establishments employed in many districts, notably in Madura and South Arcot, where we have taken over forests from Jungle Conservancy from time to time, and provided no fixed establishment under Class B., far exceeds the increase now proposed. I regret that it is out of my power to give a list of those temporary establishments which can only be compiled from the monthly working charge bills, which I do not see. This information can be readily supplied by the Forest Assistant in the Board's Office. There is also a saving of Rupees 100 per mensem by the new scale of controlling establishments submitted to the Government of India with G. O., No. 503, dated 1st April 1875.

27. Even if we consider the net increase amounting, if we include the new appointments per mensem, to Rupees 1,979 or Rupees 23,754 per annum, as real, I trust that the Board and Government will agree with me in considering it indispensable, and that it must result in benefit to the State, both as regards true conservancy and increase of forest revenue.

I have no fears regarding the latter; with good management the legitimate forest revenue must increase year by year, especially as our plantations and firewood reserves, on which we have spent large sums, commence to yield a return. The estimated revenue for 1875-76 is Rupees 5,00,000 against Rupees 4,00,000 for 1874-75, and if the establishments now proposed are sanctioned and entertained from the 1st April next, I shall have no hesitation in estimating our revenue for 1876-77 at Rupees 6,00,000, and at 10,00,000 for 1,880.

In short the extra expenditure, even if we consider it as real, will be far more than recouped by the increased money return, let alone the indirect advantages of enhanced conservancy and improvement of the valuable Government property entrusted to the charge of the Forest Department.

28. The present scheme deals only with Imperial forest establishments. I think another should be drawn up for local or Communal Jungle Conservancy establishments which can, as a rule, be supervised by the district forest officers and Rangers without prejudice to their other duties.

29. I must apologize for the delay in submission of the report due partly to the late date at which some of the district schemes were received, but more particularly to the weakness of my personal office which is quite inadequate for

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the performance of the ordinary routine work, not to mention the copying of reports like this, and compilation of the tabular statements which accompany them in accordance with orders.

30. GANJAM.—*Gumsoor and Surada.*

The sanctioned establishment for this range is Rupees 212.

I do not propose to alter it for the present, but as the officer in charge, Mr. McCally, the Senior Forest Overseer, who has been in the department since 1865, will certainly be one of the new Sub-Assistant Conservators, and as such is provided for elsewhere. I omit his post as 1st-Class Overseer, as well as the office establishment and two Peons, which are provided for under the office establishment of the Sub-Assistant.

The revised establishment will therefore stand as follows:—

	Rs.
1 Head Forester at Rupees 8	8
7 Foresters at Rupees 6	42
Total...	50

and a saving of Rupees 162 on the range be exhibited.

31. VIZAGAPATAM.—*Golcondah.*—The sanctioned establishment consists of a Sub-Overseer and four Peons, costing Rupees 64.

The Sub-Overseer is not entertained, and the whole establishment requires remodelling, if we retain the forests under Imperial Conservancy. Pending inspection, I retain the total amount as before, merely making the travelling allowance of the Sub-Overseer available for the pay of a Head Forester. The establishment will therefore stand as shown below:—

	Rs.
1 Sub-Forest Ranger, 1st Class	30
1 Head Forester	10
4 Foresters at 6 Rupees	24
Total...	64

32. BELLARY.—*Gooty Plantations.*—I have recommended that this plantation should be abandoned as an Imperial work,—*vide* Board's Proceedings, No. 46, dated 7th April 1875. In any case the establishment should be exhibited to "A. Conservancy and Works" under Head IV., 2, Artificial Forests and not included under "B. Establishment." It is therefore excluded. The existing scale consists of one Maistry on Rupees 10, and three gardeners on Rupees 18, and exhibit a decrease of Rupees 28 per mensem. The Collector in his letter to the Board, No. 97, of 3rd April 1873, recommended the entertainment of two Gumastahs on Rupees 15 each per mensem, one for his own and one for Mr. Yarde's office, but these will not be required under the above explanation.

33. GODAVERY.—*Badrachellum and Rakkapully.*—These establishments, recently transferred with the forests from the Central Provinces, are not interfered with, pending inspection and report. The grading is merely assimilated with that proposed for other districts with the following results:—

Existing.				Proposed.			
	Rs.	A.	P.		Rs.	A.	P.
1 Jungle Darogah	50	0	0	1 Forest Ranger	50	0	0
1 Mohuri	15	0	0	1 Clerk	15	0	0
4 Chuprasees	28	0	0	4 Foresters	28	0	0
Total ...	93	0	0	Total ...	93	0	0

34. CUDDAPAH.—*Cuddapah.*—The existing sanctioned establishment costs Rupees 442 per mensem, but there are temporary establishments as per enclosure to Collector's letters, Nos. 111 and 172, dated 12th July and 26th September 1873, costing Rupees 146 monthly. Of these last, the gardeners will, of course, be retained and paid from Working Charges, as well as firewood reserve watchmen when specially required. The Collector originally supported Mr. Yarde's proposals for a revised establishment to cost Rupees 1,146 or Rupees 746, excluding the pay of the Deputy Conservator; but since my inspection, has, I believe, approved and submitted the scale which I drew up with Mr. Yarde, adding a Gumastah and two more Peons for the Deputy Conservator's office. I do not think they will be necessary. The Red-wood Depôt Gumastah may, of course, be retained and his pay charged against the red-wood operations.

The scale proposed as shown below exhibits an increase of Rupees 187 per mensem. Cuddapah has become one of our most important forest districts, and the revenue has increased from Rupees 46,000 to 60,000 during the last five years, and is still capable of development. It is now proposed to divide the district into forest ranges which has never hitherto been done, and introduce systematic and careful conservancy of the forests, especially those containing the red-wood (*Pterocarpus santalinus*) which is very valuable. I have so recently submitted a full report on the forests of this district, that it appears unnecessary to say more. The establishments proposed I consider moderate, considering the extent of the forest division (four taluqs) and its configuration :—

Deputy Conservator's Office, 2nd Class.

			Rs.	Rs.
1	Head Clerk at	Rupees 30	30	
1	Second do.	do. 20	20	
1	Third do.	do. 15	15	
1	Peon	do. 8	8	
2	Peons	do. 7	14	
				87

Forest Ranger's Office.

2	Clerks at	Rupees 15	30	
2	Peons	do. 6	12	
				42

Forests.

			Rs.	Rs.
1	Forest Ranger, 1st Class, at	Rupees 100	100	
	Horse allowance		25	
1	Forest Ranger, 3rd Class, at	Rupees 60	60	
	Horse allowance		15	
2	Sub-Rangers at	Rupees 30	60	
2	Do. at	do. 20	40	
5	Foresters at	do. 8	40	
10	Do. at	do. 7	70	
15	Do. at	do. 6	90	
				500
		Total...		629

35. KURNOOL.—*Kurnool.*—The Forest Department in this district may be strictly said never to have been organized at all.

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A Sub-Assistant was placed in charge with a few Peons, and eventually an Overseer at Cumbum to assist him, but, owing to the remoteness of the district, and to a belief, which I by no means share, that the Nullamullay forests were inexhaustible, there has been but little real conservancy, though a considerable forest revenue (averaging Rupees 30,000) has been collected and portions of the forests have been nominally closed and styled reserved. The existing establishment costs Rupees 350, besides which there are eight temporary Peons, costing Rupees 48 per mensem, employed under the sanction of the Board of Revenue, No. 225, of 27th November 1874.

The proposed scale which I drew up with Mr. Boileau on the spot, and which has Mr. Hope's approval, although I have not been favored with his views officially, will cost Rupees 549, being an increase of Rupees 199 per mensem or Rupees 2,388 per annum. For this sum the establishment will, it is hoped, be thoroughly organized, and the division of five taluqs divided into two ranges, lying to the east and west of the Nullamullays, under the charge of two Forest Rangers, three Sub-Rangers, and thirty Foresters, the number of these last will barely suffice to patrol the whole length of forest, extending some ninety miles from north to south; but if properly supported by the village officials, aided when necessary by a few Tannah Peons to check and recover permits, they will, it is hoped, suffice for the present.

The total monthly expenditure on Establishment, including the Assistant Conservator's pay, will be Rupees 699 or Rupees 8,388 per annum, whilst the annual revenue, which is chiefly from license felling, may be estimated at Rupees 30,000. In his letter, No. 216, of 2nd July 1873, Mr. Hope proposed certain increase to the establishment and a decrease in the pay and number of the Assistant Conservator's office.

I believe he has since modified those views on a more complete knowledge of the extent and nature of the duties.

The proposed scale stands as follows :—

				Rs.	Rs.
Assistant Conservator's Office.—2nd Class					87
Ranger's Office.					
2	Clerks at	Rupees 15		30	
2	Peons at	,, 6		12	42
Forest.					
2	Forest Rangers, 3rd Class,	at Rupees 60		120	
	Horse allowance of do.	at ,, 15		30	
1	Sub-Ranger	at ,, 30		30	
2	Do.	at ,, 20		40	
5	Foresters	at ,, 8		40	
10	Do.	at ,, 7		70	
15	Do.	at ,, 6		90	420
			Total ...		549

36. SOUTH ARCOT—*South Arcot.*—The existing sanctioned establishment costs Rupees 128 per mensem, and the proposed scale will cost Rupees 368, an increase of Rupees 240 per mensem or Rupees 2,880 per annum. After discussing the matter fully with the Collector and Deputy Conservator, I have come to the

conclusion that the establishment now proposed is very essential, owing to the recent transfers from Jungle Conservancy to Imperial Forests of the Gingee jungles, and to a large number of men being paid from Working Charges, who should be brought on the permanent strength of the establishment. Mr. Woolridge states in his letter, No. 7, dated 18th September 1873, that he is obliged to entertain some additional clerks who are paid from his own pocket, and the Collector supports the increase proposed in his letter, No. 143, of 9th May 1873. It has long been admitted that the South Arcot Forest Establishments are very inadequate, considering the large area which they have to supervise, which has recently been increased by the transfer of a portion of the Jevadi Hills adjoining the South Arcot District, and will probably be still further extended on the settlement of the question as to the right to the hill slopes in Kullacurchy Taluq now under investigation. The revised establishment will stand as follows:—

			Rs.
Deputy Conservator's Office, 2nd Class...			87
Forest Ranger's Office.			
1 Clerk at Rupees 15		15	
1 Peon at ,, 6		6	
		—	21
Forest.			
1 Forest Ranger, 3rd Class, at Rupees 60		60	
Horse allowance of do. at Rupees 15		15	
1 Sub-Ranger at Rupees 30		30	
1 Do. at ,, 20		20	
5 Foresters at ,, 8		40	
5 Do. at ,, 7		35	
10 Do. at ,, 6		60	
		—	260
		Total ...	368

37. North Arcot.—*North Arcot.*—In this district the sanctioned amount for Subordinate Establishment is Rupees 447 per mensem, and the proposed establishment will cost Rupees 582, an increase of Rupees 135 per mensem. The Collector in his letter, No. 139, of 19th March 1873, strongly supports the revised scale, owing to the steady increase of the revenue (from Rupees 8,000 to 20,000), the addition of Gooriatum and Tripatty Hill Forests, as well as a portion of the Jevadi Hills Forests with an area of sixty square miles to be transferred from Salem Forests (G. O., No. 1,346, of 19th October 1874).

The proposed scale stands as follows:—

			Rs.
Deputy Conservator's Office, 2nd Class			87
Forest Rangers' Office.			
2 Clerks at Rupees 15		30	
2 Peons at ,, 6		12	
		—	42
Forest.			
1 Forest Ranger, 2nd Class, at Rupees 80		80	
Horse allowance of do.		20	
1 Forest Ranger, 3rd Class, at Rupees 60		60	
Horse allowance of do.		15	
2 Sub-Rangers at Rupees 30		60	
2 Do. at ,, 20		40	
4 Foresters at ,, 8		32	
8 Do. at ,, 7		56	
15 Do. at ,, 6		90	
		—	453
		Total ...	582

38. Madura.—*Madura.*—In this district the sanctioned amount for Subordinate Establishment is Rupees 342 per mensem; the establishment now proposed will cost Rupees 564. The Collector in his letter, No. 299, of 15th April 1875, proposes an increase of Rupees 69 per mensem, on the latter making Rupees 638 in all, both for office and forest establishments. I have since, in communication with Mr. Brougham, the Acting Deputy Conservator, fixed the establishment for this district, including the portions taken over from time to time from Jungle Conservancy, for which no establishment has ever been provided, at Rupees 564 as above. He encloses a statement showing the sanctioned scale at Rupees 432, including the Overseer sanctioned for Trichinopoly (G. O., No. 1,258 of 15th August 1870), and the 2nd Clerk in the Deputy Conservator's office sanctioned as a temporary measure (G. O., No. 1,313, of 12th October 1874), and the existing scale at Rupees 569, including temporary Peons, &c. On the supply of railway fuel to the Great Southern Railway being undertaken by our department, a small number of temporary men will be employed, who will be paid from Working Charges under head "A. Conservancy and Works." A special allowance of Rupees 10 is entered for the Sub-Ranger in charge of the Lower Pulnies, as he is required to reside on the hills, where living is expensive. In course of a year this district will become very important on account of the Railway line passing through it, and the demand for fuel will be very great. The present temporary establishment as per margin, now paid from Working Charges, will be brought permanently on the strength of the establishment on the sanction of the scale. The proposed scale stands as follows:—

1 Sub-Overseer.
1 Duffadar.
17 Peons.

			Rs.
Deputy Conservator's Office, 2nd Class			87
Forest Ranger's Office.			Rs.
2 Clerks at Rupees 15		30	
2 Peons at ,, 6		12	
		—	42
Forest.			
2 Forest Rangers, 3rd Class, at Rupees 60		120	
Horse allowance of do. at Rupees 15		30	
2 Sub-Rangers at Rupees 30		60	
3 Do. at ,, 20		60	
5 Foresters at ,, 8		40	
5 Do. at ,, 7		35	
15 Do. at ,, 6		90	
		—	435
		Total...	564

39. Tinnevelly.—*Tinnevelly.*—The existing sanctioned establishment costs Rupees 464 per mensem, and the proposed one will cost Rupees 589, being an increase of Rupees 125 per mensem, or Rupees 1,500 annually. The Collector in his letter, No. 397, of 29th July 1873, reported that no revision of the forest establishment was required; but the Deputy Conservator in his letter, No. 125, of 10th September 1874, to the Collector, urged the necessity of bringing the temporary establishment now employed in the district, and paid from Working Charges under head "A. Conservancy and Works," on to the sanctioned establishment, and submits a scale which I have brought into accordance with that proposed for the rest of the Presidency, and which after recent inspection I consider absolutely

necessary for the conservation of these fine Ghaut forests, extending through five taluqs, and of which the annual revenue may be estimated at Rupees 20,000. The proposed revised establishment will stand thus :—

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Ranger's Office.		
2 Clerks at Rupees 15	Rs. 30	
2 Peons at ,, 6	12	
	—	42
Forest.		
1 Forest Ranger, 2nd Class, at Rupees 80	80	
Horse allowance of do.	20	
1 Forest Ranger, 3rd Class	60	
Horse allowance of do.	15	
2 Sub-Rangers, at Rupees 30	60	
3 Do. at ,, 20	60	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
15 Do. at ,, 6	90	
	—	460
Total...		589

40. Coimbatore.—*North Coimbatore.*—Major General Morgan had charge of the Collegal, Sathiamangalum, and Bhowani Forests until recently as a special case; on that officer's retirement it has been found necessary to re-arrange the charges, and place those forests under the charge of the Deputy Conservator in charge of Mettupollium, &c.—(*Vide* G. O., No. 430, of 16th March 1875.) The whole division being styled "North Coimbatore," leaving the Annamallay and Oodumulpettah Taluq forests as "South Coimbatore." The establishment now sanctioned for Mettupollium, Bolumputty, and the three taluqs mentioned above costs Rupees 890.

The revised establishment will stand as follows, exhibiting a decrease of Rupees 87 per mensem :—

		Rs.
Deputy Conservator's Office, 1st Class.		
1 Head Clerk		45
1 2nd do.		25
1 3rd do. (Vernacular)		15
1 Duffadar		10
2 Peons at Rupees 8		16
2 Do. at ,, 7		14
	—	125
Forest Ranger's Office.		
4 Clerks at Rupees 15	60	
4 Peons at ,, 7	28	
	—	88
Forest.		
1 Forest Ranger, 1st Class, at Rupees 100...	100	
Horse allowance of do.	25	
1 Forest Ranger, 2nd Class, at Rupees 80	80	
Horse allowance of do.	20	
2 Forest Rangers, 3rd Class, at Rupees 60	120	
Horse allowance at Rupees 15 each	30	
2 Sub-Rangers at Rupees 30	60	
1 Do. at ,, 20	20	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
10 Do. at ,, 6	60	
	—	590
Total ..		803

being less by Rupees 87 per mensem than the present scale. It will be necessary to provide for a personal allowance of Rupees 15 to the present Head Clerk recently transferred from Mudumullai, &c., where he drew Rupees 70 per mensem on account of his long service in the department, extending over fifteen years.

The revenue of the new division may be estimated at Rupees 70,000 from sandalwood, timber, and minor items, and on the completion of the Neringipett channel it may be expected to increase.

41. Coimbatore.—*South Coimbatore*—(*Annamallay, &c.*)—The sanctioned scale provides Rupees 491, and the proposed Rupees 602, showing an increase of Rupees 111 per mensem. I consider this increase warranted by the prospects of increasing revenue and enhanced conservancy. The existing establishment was sanctioned years ago when we had only the Government reserved forests under conservancy operations, which have now extended to the south including the forests of the Oodumulpettah Taluq, from which we derive a considerable revenue under the License and Voucher system. The Annamallay Forest is one of the best and most lucrative in this Presidency, and we have at present large indents from the Public Works and Ordnance Departments and the Admiralty to meet. Mr. Douglas proposes in his letter, No. 384, of 9th March 1875, to divide the forests into two, *viz.*, "Reserved and Unreserved," and makes provision for an adequate establishment.

The establishment proposed stands as follows :—

		Rs.
Deputy Conservator's Office, 1st Class		125
Forest Ranger's Office.		
2 Clerks at Rupees 15	30	
2 Peons at ,, 6	12	
	—	42
Forest.		
1 Forest Ranger, 1st Class, at Rupees 100	100	
Horse allowance of do.	25	
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do.	15	
2 Sub-Rangers at Rupees 30	60	
2 Do. at ,, 20	40	
5 Foresters, at ,, 8	40	
5 Do. at ,, 7	35	
10 Do. at ,, 6	60	
	—	435
Total ..		602

42. Neilgherries.—*Neilgherry Range*—The present sanctioned scale comprises a Forest establishment costing Rupees 658, and the proposed one will cost Rupees 602, being a decrease of Rupees 56 per mensem. These forests, consisting of Mudumullai, Seegur, and the Hill plateau have recently been constituted as one division styled "Neilgherry," and placed under the charge of a separate Forest Officer. The pay of the Head Clerk is entered Rupees 60, 15 Rupees more than the other ranges, as a special case, on account of the dearness of living on the Hills. A special allowance of Rupees 10 is also proposed for the Sub-

Ranger of Neilgherry, who will replace the 2nd Overseer who now draws Rs. 80 per mensem. For the same reasons the rate of pay proposed for Foresters is slightly higher than for those in other ranges, as Mr. Breeks found that good men could not be obtained for less than Rupees 8 per mensem with clothing and prospects to promotion. The revenue of the division is estimated at Rs. 70,000 per annum, and as there is a steady demand for teak and sandalwood from Mudumullai and Seegur, and the plantations on the Neilgherry are commencing to yield a revenue, I have no doubt it will steadily increase.

Deputy Conservator's Office, 1st Class.

		Rs.
1	Head Clerk	60
1	2nd do.	25
1	3rd do. (Vernacular)	15
1	Duffadar	10
3	Peons at 8	24
		134

Forest Ranger's Office.

		Rs.
2	Clerks at Rupees 15	30
2	Peons at „ 7	14
		44

Forest.

		Rs.
1	Forest Ranger, 1st Class, at Rupees 100	100
	Horse allowance of do.	25
1	Forest Ranger, 2nd Class, at Rupees 80	80
	Horse allowance of do.	20
2	Sub-Rangers at Rupees 30	*60
1	Do. at „ 20	20
4	Foresters at „ 10	40
7	Do. at „ 9	63
2	Do. at „ 8	16
		424
	Total...	602

43. Salem.—*Salem.*—In this district the sanctioned amount for subordinate establishment is Rupees 673, and the proposed establishment will cost Rs. 786.

The establishment in this district were partly revised in 1868, and, although the curtailments made on the scheme submitted by the Deputy Conservator in communication with the Collector vitiated its entirety, the results have been most encouraging. Conservancy and systematic working being without doubt further advanced here than in any other district in the Presidency, [illegible] annual revenue, averaging Rupees 70,000, exceeds that of the finest forests, such as the Annamallays and Mudumallays.

The Acting Collector (Mr. Price) originally submitted a revision scheme to cost Rupees 1,046, and Mr. Brougham's more recent scheme submitted by Mr. Longley exhibits a total of Rupees 913 per mensem, but by eliminating the firewood reserve Overseer and establishment the depôt clerks and gardeners, whose pay falls legitimately to the respective works, and reducing the Forester's pay to Rupees 8, 7 and 6, in lieu of 9, 8 and 7, &c., I have brought it down to

* Special allowance of Rupees 10 is allowed to one of the Sub-Rangers.

Rupees 785, or Rupees 112 per mensem above the cost of the present establishment, which is notably insufficient and under-paid. One of the probationary Forest Rangers will probably as a rule be employed in this district, and can assist in supervising the firewood reserves, which, with the sandalwood tracts of Denkincottah and the Acha forests of Pennagarum to be worked vigorously so soon as the ghaut now in progress is opened out, constitute the most important portions of the district from a forest point of view. The distribution of the establishment is to be entirely changed, and one of the Sub-Assistants will probably be located in it in lieu of the 1st Class Forest Ranger, for whom provision is made. The proposed scale is as follows:—

		Rs.	
Deputy Conservator's Office, 1st Class		125	
Forest Ranger's Office.			
3	Clerks at 15 Rupees each	45	
3	Peons at 7 „ „	21	
		—	66
Forest.			
1	Forest Ranger, 1st Class	100	
	Horse allowance	25	
2	Forest Rangers, 3rd Class	120	
	Horse allowance of do.	30	
2	Sub-Rangers at 30 Rupees	60	
3	Do. at 20 „	60	
5	Foresters at 8 „	40	
10	Do. at 7 „	70	
15	Do. at 6 „	90	
		—	595
	Total ...		786

44. South Canara.—*South Canara.*—The existing scale costs Rupees 504-8-0, and that proposed Rupees 509, being a small increase of Rupees 4-8-0 per mensem. Mr. Cherry, the Deputy Conservator, in his letter, No. 260, of 10th April 1875, encloses a Memorandum showing how the establishment is to be distributed as outlined when I was in the district, and suggests that the district may be divided into ranges, north and south. This arrangement recommends itself on every ground. The Collector in his letter, No. 708, of 19th April 1875, generally concurs with the scheme submitted by Mr. Cherry, but offers some remarks as to the grading and employment of Forest Rangers, which have received due consideration on framing the general scale. Mr. Webster proposes to reduce the pay of the "Foresters" to that of Taluq Peons, but I have retained it at Rupees 8, 7, and 6 as entered for other districts; the Foresters' duties and those of Taluq Peons are not analogous, the former being much more arduous and distasteful to most natives.

The rate of pay entered for the *Peons* to be attached to the Forest Rangers (Overseers) is similar to that of Taluq Peons, the duties being identical. The Collector also enters a clerk for his office on Rupees 30, which I do not consider

necessary. The scale as submitted by him would cost Rupees 592, or Rupees 83 more than that now proposed, and which I consider adequate :—

			Rs.
Deputy Conservator's Office, 2nd Class			87
Forest Ranger's Office.			
2 Clerks at 15 Rupees		30	
2 Peons at 6 ,, ...		12	42
			129
Forest.			
1 Forest Ranger, 2nd Class		80	
Horse allowance		20	
1 Forest Ranger, 3rd Class		60	
Horse allowance		15	
2 Sub-Rangers at 30 Rupees		60	
2 Do. at 20 ,, ...		40	
5 Foresters at 8 ,, ...		40	
5 Do. at 7 ,, ...		35	
5 Do. at 6 ,, ...		30	380
	Total ...		509

45. Malabar.—*Paulghaut* (*Chenat Nair, &c.*)—In this the sanctioned amount or subordinate establishment is Rupees 150 per mensem, and that proposed will cost Rupees 125, being a decrease of Rupees 25 ; we consider the services of a 2nd Class Overseer unnecessary, and have entered a 3rd Class man instead. The Acting Head Assistant Collector and myself have personally conferred and drawn up the scale proposed, which has the Collector's approval. The establishment will stand as follows :—

Forest Ranger's Office.

		Rs.
1 Clerk at Rupees 15...		15
1 Peon at ,, 6...		6
		— 21
Forest.		
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do.	15	
1 Forester at Rupees 7	7	
2 Do. at ,, 6	12	
2 Do. at ,, 5	10	
	— 104	
Total...	125	

46. Malabar.—*Nilambur.*—The sanctioned scale costs Rupees 355 and that proposed Rupees 268, being a decrease of Rupees 87 per mensem, owing to the

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proposed abolition of the Overseership, in lieu of which Sub-Rangers have been entered to superintend planting operations ; a highly paid subordinate is considered unnecessary, as Mr. Ferguson prefers keeping all the details in his own hands, and has had a great many Overseers during the past ten years, none of whom gave him permanent satisfaction. Both Mr. McGregor and Mr. Logan agree with me on this point. One of the probationary Rangers will generally be employed at Nilambur, learning teak planting. The Kallai Depôt clerk being an old servant has been retained on the fixed establishment for the present to obviate his forfeiting his claim to pension. The establishment of office servants proposed includes the Peons required at the depôt, as it is considered advisable that they should be changed from time to time at the discretion of the Deputy Conservator betwixt Nilambur and the coast, especially when sick at the former place.

The revised establishment will stand as follows :—

			Rs.
Deputy Conservator's Office, 1st Class			125
Kallai Depôt Clerk			50
			175
Forest.			
1 Sub-Ranger at Rupees 30		30	
1 Do. at ,, 20		20	
1 Head Forester at ,, 10		10	
1 Do. at ,, 8		8	
1 Do. at ,, 7		7	
3 Do. at ,, 6		18	
		—	93
	Total...		268

Gang Maistries or Head Coolies will of course be employed as required for planting operations and charged under Working charges, the Foresters entered above being employed in guarding and protecting the indigenous forests and planted area, including the river banks.

47. Malabar.—*Wynaad.*—The existing establishment costs Rupees 212 per mensem, and that proposed Rupees 323, being an increase of Rupees 111 per mensem, or Rupees 1,332 per annum. As this is one of our 1st Class forests, containing teak and other superior timbers, a 3rd Class Forest Ranger is necessary to superintend working operations under the Acting Conservator, whose time has hitherto been too much taken up with details, such as marking and calculating cubical contents of logs to the detriment of his legitimate duties, and real forest conservancy. It is proposed to restrict operations for the present to meeting the indents of the Department Public Works, but there will be ample work for the Forest Officer and establishment in preparing working plans, laying out a system of forest roads, and conserving and improving the teak tracts.

The proposed scale is as follows:—

Deputy Conservator's Office, 2nd Class, (Special.)

	Rs.		
1 Head Clerk	50		Special rates for Wynaad—*Vide* paragraph of General Report.
1 2nd do.	25		
1 Peon...	9		
2 Peons at 8 Rupees	16		
	—	100	

Forest Ranger's Office.

1 Clerk	15	
1 Peon...	7	
	—	22

Forest.

1 Forest Ranger, 3rd Class	60	
Horse allowance	15	
1 Sub-Ranger	30	
1 Do.	20	
2 Foresters at 9 Rupees	18	
2 Do. at 8 ,, ...	16	
2 Do. at 7 ,, ...	14	
	—	201
Total...		323

The Head Clerk in the Deputy Conservator's office formerly drew Rupees 60, as per sanctioned scale, which was reduced to Rupees 40, owing to presumed complicity in Turnbull's frauds. I have entered his pay at Rupees 50, which I consider ample so far as the work which he has to perform is concerned, but I think that he, in common with all the establishments, including the Deputy Conservator, should be granted the usual Wynaad allowances drawn by the employés of all other departments owing to the supposed unhealthiness of the locality. The new establishments proposed for general duty are as follow:—

	Rs.	
2 Sub-Assistant Conservators at Rupees 200	400	
2 Do. do. at ,, 150	300	
6 Probationary Forest Rangers at ,, 50	300	
	—	1,000
4 Clerks at Rupees 25	100	
8 Peons at ,, 7	56	156
Total ...		1,156

Tabular statements of existing and proposed establishments, &c., accompany the report in accordance with Government orders.

Enclosures Nos. 1 and 2.—Statements.

Enclosure No. 3.—Specimen of cloth to be used for uniforms of Forest Guards.

Complaints regarding the inadequacy of the Forest Subordinate Establishments having become frequent the Board requested the Inspector of Forests to

ıbmit, in communication with the Collectors, a scheme for a general revision of ıe establishments. The letter above recorded is the reply.

2. The Inspector, after fully explaining the necessity for a complete revision, ıroposes an establishment costing Rupees 9,549 per mensem.

3. The existing establishments cost Rupees 7,557 per mensem, and besides ıese, temporary establishments costing about Rupees 16,000 per annum, are ıntertained and debited to "Working Charges."

4. The proposed establishments will not altogether obviate the necessity of nploying temporary establishments, but it may be fairly assumed that about vo-thirds of the cost now incurred under temporary establishments will be saved when the proposed permanent establishments are introduced.

	Rs.
Present establishment	7,557
Two-thirds of the cost of temporary establishment	889
	8,446
Proposed establishment	9,549
Difference ...	1,103

	Per annum. Rs.
5 First-class Forest Rangers, at Rupee 1 a-day for, say, 20 days in each month	1,200
22 Second and Third-class Rangers, at Annas 12 a-day	3,960
24 Foresters, at Annas 8 a-day...	2,880
25 do. at ,, 4 ,, ...	1,500
6 Probationary Rangers at ,, 8 ,, ...	720
Total ...	10,260

5. Thus, the net increase of cost involved in the proposed revision is Rupees 1,103 per mensem, or Rupees 13,236 per annum. To this has to be added the batta which the Inspector proposes to allow to the Forest Rangers and Sub-Rangers when they actually travel—a charge which is not now incurred. This sum may be roughly estimated at Rupees 10,260.*

6. The following is the abstract of the proposals of the Inspector of Forests:—

Designation.	No.	Pay per mensem including fixed allowances. Rs. A. P.	Designation.	No.	Pay per mensem including fixed allowances. Rs. A. P.
Present.			Proposed.		
Overseers	5	355 0 0	Forest Rangers	27	2,400 0 0
Sub-Overseers		345 0 0	Sub-Rangers	49	1,260 0 0
Duffadars, peons, &c. ...	323	2,291 0 0	Foresters	293	1,997 0 0
			Peons	77	560 0 0
Mistries and gardeners...	29	269 0 0	... ...	...	.....
Office establishments exclusive of peons	44	930 0 0	Office establishments exclusive of peons ...	69	1,485 0 0
Central Office in the Board.	13	536 0 0	Central Office establishment	16	691 0 0
Office of the Inspector of Forests	4	131 0 0	Sub-Assistant Conservators	4	700 0 0
			Establishment of Sub-Assistant Conservators ...	12	156 0 0
			Probationary Rangers ...	6	300 0 0
Total ...	457	7,557 0 0	Total ...	553	9,549 0 0

7. The Board are satisfied that the proposed establishments are not at all excessive. The area of forest with which Government at present deal is felt to be more extensive than even the establishment as now proposed can adequately conserve, but the Inspector hopes that the area may be gradually contracted as demarcation of State forests proceeds, so as to admit of more perfect and profitable conservancy. The Board, therefore, strongly support Captain Walker's propositions, which have been drawn out with great care and knowledge, and the details of which are fully given in his report. The only points on which the Board would modify his proposals are the organization of the Central Office and the pay of Foresters or "Forest Guards" as the Board propose they should be termed.

8. As regards the Central Office, the Board consider that unless the Inspector's view that he should be the Board's representative for forest matters meets with the approval of Government—a view which the Board have not supported—the establishments of the Inspector and those of the Board should be distinct. They would provide for a well-paid Assistant, who should, if possible, be a man with practical knowledge of forest management. They would propose the establishments as follow:—

PRESENT SCALE.			PROPOSED SCALE.					
			By the Inspector of Forests.			By the Board of Revenue.		
No.	Designation.	Amount.	No.	Designation.	Amount.	No.	Designation.	Amount.
	Board's Establishment.	Rs. A. P.		*Account Branch.*	Rs. A. P.		*Board's Establishment.*	Rs. A. P.
1	Assistant	300 0 0	1	Assistant	250 0 0	1	Assistant	300 0 0
2	Accountants, at 50 Rs. each	100 0 0	1	Head Accountant...	75 0 0	1	Head Accountant ...	75 0 0
1	Compiler	40 0 0	1	Second do. ...	50 0 0	1	Second do. ...	60 0 0
1	Clerk	25 0 0	1	Record-keeper ...	45 0 0	1	Compiler	45 0 0
1	Record-keeper ...	20 0 0	1	Copyist	20 0 0	1	Copyist	30 0 0
2	Clerks, at 10 Rs. each	20 0 0				2	Copyists, at 25 Rs. each	50 0 0
4	Peons, at 7 Rs. each	28 0 0				2	Peons, at 7 Rs. each.	14 0 0
1	Sweeper	3 0 0						
	Total ...	536 0 0		Total ...	440 0 0		Total ...	574 0 0
	Office of the Inspector of Forests.			*Correspondence Branch.*			*Inspector's Office.*	
1	Head Clerk	75 0 0	1	Head Clerk	100 0 0	1	Head Clerk	100 0 0
1	Draughtsman ...	40 0 0	1	Registrar	40 0 0	1	Clerk	30 0 0
2	Peons, at 8 Rs. each	16 0 0	1	Clerk	30 0 0	1	Do.	20 0 0
			1	Do.	20 0 0	1	Duffadar	12 0 0
			1	Moochy	12 0 0	1	Moochy	12 0 0
			1	Duffadar	12 0 0	1	Moochy	16 0 0
			2	Peons, at 8 Rs. each	16 0 0	2	Peons, at 8 Rs. each.	14 0 0
			3	Peons, at 7 Rs. each	21 0 0	2	Do. at 7 „ „	
17	Total ...	131 0 0	16	Total ...	251 0 0	18	Total ...	204 0 0
	Grand Total ...	667 0 0	...	Grand Total ...	691 0 0	...	Grand Total ...	778 0 0

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9. The Inspector recommends that the present Assistant should have a personal allowance with which his pay would be raised by biennial increments of Rupees 50 to Rupees 400, but the Board do not think this necessary even if it were allowable and according to precedent.

10. As for the pay of Foresters (Forest Guards), the Board would have none on less pay than Rupees 7, Rupees 6 being too small for a man of whom such duties as those of a Forest Guard are required.

	Rs.
Present scale	7,557½
	12
	90,690
Add two-thirds of temporary establishment which would be saved hereafter	10,668
	1,01,358
Proposed Scale—	
Cost of permanent establishment.	9,781
	12
	(a) 1,17,372
Batta as per paragraph 5	10,260
	1,27,632

* Rupees 26,274.

11. These proposals bring the annual cost on account of Subordinate Establishments to Rupees 1,17,372, or Rupees 1,27,632 including batta, and with the aid of these establishments the Inspector thinks that the forest revenues will be considerably improved. He hopes that the receipts in 1876-77 will be Rupees 6,00,000 against the estimated receipts of Rupees 5,00,000 in 1875-76. Although the Board are not as sanguine as Captain Walker, yet they have no doubt that the extra expenditure* will be far more than recouped by increased revenue due to improved supervision.

(a) Note.—The Board have not taken into account the personal allowance proposed to a Clerk in paragraph 40 of the Inspector's letter, as it could be paid from savings if he cannot be provided with another appointment.

12. With reference to the nomenclature of the appointments, the Board approve of the Inspector's suggestions with the exception that for "Sub-Rangers" they would adopt the designation "Foresters," and they would call Forest Guards those whom the Inspector has named Foresters.

13. The Inspector dwells at length on the question of patronage and thinks that the Forest Rangers should be appointed by him, the Sub-Rangers' appointments being locally filled up. On this point the Board are of opinion that Rangers and Sub-Rangers or Foresters should be brought on a graded list, and that promotion should be made on the plan suggested in paragraph 4 of G.O., dated 26th February 1875, No. 313.

14. A tabular statement in the prescribed form accompanies.

15. The Board agree with the Inspector that the Forest Guards should be supplied with coats of a uniform color to be worn when on duty, and with good cumblies, but they do not think that the better-paid servants, such as Rangers and

Foresters, need be supplied with clothing at the Government expense. The cost which has to be met from contingencies is not likely to be great.

(A true Copy and Extract.)

(Signed) H. E. STOKES,
Acting Secretary.

	BELLARY.					BELLARY.					
	Gooty Plantations.					*Gooty Plantations.*					
1	Maistry	10	10			—Nil.					
3	Under Gardeners ...	6	18	28							
	KURNOOL.					KURNOOL.					
						Office Establishment, 2nd Class.					
1	Writer	25	25								
1	Head Gumasta ...	25	25								
1	Assistant do. ...	12	12		1	Head Clerk	30	30			
3	Duffadars	15	45		1	2nd Clerk	20	20			
28	Peons...	6	168	275	1	3rd Clerk (Vernacular)	15	15			
					1	Peon	8	8			
					2	Peons	7	14	87		
						Forest Ranger's Office.					
					2	Clerks	15	30			
					2	Peons	6	12	42		
						Forest Establishment.					
					1	Forester	30	30			
					2	Do.	20	40			
					5	Head Forest Guards...	8	40			
					25	Forest Guards	7	175	285	414	
	NORTH ARCOT.					NORTH ARCOT.					
						Office Establishment, 2nd Class.					
1	Writer	25	25								
1	Gumasta	12	12								
1	Duffadar	20	20								
1	Do.	15	15		1	Head Clerk	30	30			
2	Pygusts	8	16		1	2nd Clerk	20	20			
17	Peons...	6	102		1	3rd Clerk (Vernacular)	15	15			
10	Gardeners	8	80		1	Peon	8	8			
					2	Peons	7	14	87		
						Forest Ranger's Office.					
					2	Clerks	15	30			
					2	Peons...	6	12	42		

Number.	Designation.	Present Scale. Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Proposed Scale. Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	NORTH ARCOT.—(*Continued.*)	RS.	RS.	RS.	RS.	RS.		NORTH ARCOT.—(*Continued.*)	RS.	RS.	RS.	RS.	RS.
	Guriattum Forests.							*Forest Establishment.*					
1	Duffadar	9	...	9			2	Foresters	30	...	60		
3	Peons...	6	...	18	297		2	Do.	20	...	40		
							4	Head Forest Guards...	8	...	32		
							23	Forest Guards	7	...	161	293	422
	SOUTH ARCOT.							SOUTH ARCOT.					
1	Sub-Overseer	30	10	40				*Office Establishment, 2nd Class.*					
2	Gumastas	12	...	24			1	Head Clerk	30	...	30		
1	Do.	10	...	10			1	2nd Clerk	20	...	20		
1	Duffadar	9	...	9			1	3rd Clerk (Vernacular)	15	...	15		
1	Peon	7	...	7			1	Peon	8	...	8		
3	Peons...	6	...	18			2	Peons...	7	...	14	87	
4	Do.	5	...	20	128			*Forest Ranger's Office.*					
							1	Clerk...	15	...	15		
							1	Peon	6	...	6	21	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	20	...	20		
							5	Head Forest Guards...	8	...	40		
							15	Forest Guards	7	...	105	195	303

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	ANAMALLAI OR SOUTH COIMBATORE.							ANAMALLAI OR SOUTH COIMBATORE.					
								Office Establishment, 1st Class.					
1	Writer	30	...	30			1	Head Clerk	45	...	45		
1	Assistant Writer ...	20	...	20			1	2nd Clerk	25	...	25		
2	Gumastas	10	...	20			1	3rd Clerk (Vernacular)	15	...	15		
1	Overseer	50	15	65			1	Duffadar	10	...	10		
1	Sub-Overseer	35	10	45			2	Peons	8	...	16		
1	Fouzdar	25	...	25			2	Do.	7	...	14	125	
13	Peons...	6	...	78				*Forest Ranger's Office.*					
1	Cawder	3	...	3	286		2	Clerks	15	...	30		
							2	Peons	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do. ...	20	...	40		
							5	Head Forest Guards.	8	...	40		
							15	Forest Guards	7	...	105	245	412
	NORTH COIMBATORE.							NORTH COIMBATORE.					
	Mettoopolliem, Bolumputty, Collegal, Bhowany, and Sattiamangalam.							*Mettoopolliem, Bolumputty, Collegal, Bhowany, and Sattiamangalam.*					
	Mettoopolliem.							*Office Establishment, 1st Class.*					
1	Sub-Overseer	30	...	30			1	Head Clerk	45	...	45		
1	Duffadar	15	...	15			1	2nd Clerk	25	...	25		
3	Peons...	8	...	24	69		1	3rd Clerk (Vernacular)	15	...	15		
	Bolumputty and Sholacurray.						1	Duffadar	10	...	10		
1	Assistant Overseer ...	50	...	50			2	Peons	8	...	16		
5	Peons...	6	...	30	80		2	Do.	7	...	14	125	

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	North Coimbatore.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.		North Coimbatore.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.
	Collegal.							*Forest Ranger's Office.*					
1	Sub-Overseer	30	...	30			4	Clerks	15	...	60		
1	Duffadar	15	...	15			4	Peons...	7	...	28	88	
3	Peons	7	...	21				*Forest Establishment.*					
1	Peon	6	...	6	72								
	Bhowany.						2	Foresters	30	...	60		
1	Gumasta	20	8	28			1	Do.	20	...	20		
1	Duffadar	15	...	15			5	Head Forest Guards...	8	...	40		
3	Peons...	7	...	21			15	Forest Guards	7	...	105	225	438
1	Do.	6	...	6	70								
	Sattiamangalum.												
1	Overseer	50	15	65									
1	Sub-Overseer	30	...	30									
1	Writer	16	...	16									
1	Duffadar	15	...	15									
4	Peons	7	...	28	154								
	Nilgiris.							Nilgiris.					
	Mudumallai and Seegur.							*Office Establishment, 1st Class.*					
1	Accountant	70	...	70			1	Head Clerk	60	...	60	...	
1	Deputy Accountant ...	30	...	30			1	2nd Clerk	25	...	25	...	
1	Timberyard Writer ...	14	...	14			1	3rd Clerk (Vernacular).	15	...	15	...	
1	4th-class Overseer ...	50	10	60									

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	Number of Overseers from the 1st to 3rd Class.							*Number of Rangers from the 1st to 3rd Class.*					
		Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.	Rs.	Rs.	Rs.
1	1st-class Overseer ...	100	60	160			5	1st-class Rangers ...	100	25	625		
6	1st-class Overseers ...	100	30	780			5	2nd-class Rangers ...	80	20	500		
1	1st-class Overseer ...	100	...	100			17	3rd-class Rangers ...	60	15	1,275	...	2,400
2	2nd-class Overseers ...	80	30	220									
1	2nd-class Overseer ...	80	15	95									
2	2nd-class Overseers ...	80	...	160									
14	3rd-class Overseers ...	60	15	1,050									
12	3rd-class Overseers ...	60	...	120	...	2,685							
	Ganjam.							Ganjam.					
	Gumsur and Suradah							*Gumsur and Suradah.*					
								Forest Establishment.					
1	Writer	20	...	20			1	Forest Guard	8	...	8		
1	Duffadar	8	...	8			7	Do.	7	...	49	57	57
9	Peons	6	...	54	82								
	Vizagapatam.							Vizagapatam.					
	Golcondah.							*Golcondah.*					
1	Sub-Overseer	30	10	40			1	Forester	30	...	30		
4	Peons	6	...	24	64		1	Head Forest Guard ...	10	...	10		
							4	Forest Guards	7	...	28	68	68

Present Scale.							Proposed Scale.							
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	GODAVERY.	RS.	RS.	RS.	RS.	RS.		GODAVERY.	RS.	RS.	RS.	RS.	RS.
	Badrachellam and Rakapilly.							*Badrachellam and Rakapilly.*					
1	Jungle Darogah ...	50	...	50			1	Forester	50	...	50		
1	Mohireer	15	...	15			1	Clerk	15	...	15		
4	Chuprassees	7	...	28	93		4	Forest Guards	7	...	28	93	93
	CUDDAPAH.							CUDDAPAH.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
3	Duffadars	15	...	45			1	2nd Clerk	20	...	20		
2	Head Gardeners ...	10	...	20			1	3rd Clerk (Vernacular)	15	...	15		
6	Under Gardeners ...	6	...	36			1	Peon	8	...	8		
1	Peon	7	...	7			2	Peons	7	...	14	87	
19	Peons	6	...	114	247								
								Forest Ranger's Office.					
							2	Clerks	15	...	30		
							2	Peons...	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do.	20	...	40		
							5	Forest Guards	8	...	40		
							25	Do.	7	...	175	315	444
	TRICHINOPOLY.							TRICHINOPOLY.					
2	Gumastas	12	...	24				*Office Establishment, 2nd Class.*					
1	Maistry	20	...	20			1	Head Clerk	30	...	30		
1	Do.	10	...	10	54		1	2nd Clerk (Vernacular)	15	...	15		
							1	Peon	8	...	8		
							1	Do.	7	...	7	60	
								Forest Ranger's Office.					
							1	Clerk	15	...	15		
							1	Peon	6	...	6	21	
								Forest Establishment.					
							1	Forester	20	...	20	20	101
	MADURA.							MADURA.					
								Office Establishment, 2nd Class					
1	Writer	30	10	40			1	Head Clerk	30	...	30		
3	Duffadars	15	...	45			1	2nd Clerk	20	...	20		
15	Peons...	6	...	90			1	3rd Clerk (Vernacular)	15	...	15		
							1	Peon	8	...	8		
	Lower Pulneys.						2	Peons...	7	...	14	87	
1	Sub-Overseer	40	10	50									
1	Duffadar	10	...	10				*Forest Ranger's Office.*					
4	Peons...	8	...	32	267		2	Clerks...	15	...	30		
							2	Peons...	6	...	12	42	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	30	10	40		

Present Scale.						Proposed Scale.						
Number.	Designation.	Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Totall of each Range and Grand Total.
		Rs.	Rs.	Rs.	Rs.	Rs.		Madura.—(*Contd.*)	Rs.	Rs.	Rs.	Rs.	Rs.
								Forest Establishment.—(Continued.)					
							3	Foresters	20	...	60		
							5	Head Forest Guards ..	8	...	40		
							20	Forest Guards	7	...	140	310	439
	Tinnevelly.							Tinnevelly.					
1	Writer	30	...	30				*Office Establishment, 2nd Class.*					
	Papanasum, &c.						1	Head Clerk	30	...	30		
5	Maistries	15	...	75			1	2nd Clerk	20	...	20		
29	Peons...	6	...	174			1	3rd Clerk(Vernacular).	15	...	15		
							1	Peon	8	...	8		
							2	Do.	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks	15	...	30		
							2	Peons	9	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							3	Do.	20	...	60		
							5	Head Forest Guards...	8	...	40		
							20	Forest Guards	7	...	140	300	429
1	Gumasta	15	...	15			1	Duffadar	10	...	10		
1	Superintendent of Coorumbers.	15	...	15			3	Peons	8	...	24	134	
1	Do. of Buffaloes ...	7	...	7				*Forest Ranger's Office.*					
1	Do. of Elephants...	8	...	8			2	Clerks	15	...	30		
1	Do. of Sawyers ...	8	...	8			2	Peons	7	...	14	44	
1	Duffadar	15	...	15				*Forest Establishment.*					
2	Peons...	9	...	18			1	Forester	30	...	30		
4	Do.	7	...	28	288		1	Do.	30	10	40		
	Seegur.						1	Do.	20	...	20		
1	Superintendent of Carts.	24	...	24			4	Head Forest Guards...	10	...	40		
1	Peon	9	...	9			7	Forest guards	9	...	63		
1	Do.	7	...	7			2	Do.	8	...	16	209	387
	Nilgiri Sholahs.												
1	Sub-Overseer	50	30	80									
1	Gumastah...	28	...	28									
10	Peons...	10	...	100	208								
	Salem.							Salem.					
1	Head Clerk	30	...	30				*Office Establishments, 1st Class.*					
1	2nd Clerk	18	...	18			1	Head Clerk	45	...	45		
1	3rd Clerk	12	...	12			1	2nd Clerk	25	...	25		
3	Gumastas	10	...	30			1	3rd Clerk (Vernacular.)	15	...	15		
1	Sub-Overseer	40	10	50			1	Duffadar	10	...	10		
1	Head Duffadar... ...	10	...	10			2	Peons...	8	...	16		
5	Duffadars	9	...	45			2	Do.	7	...	14	125	
6	Peons...	7	...	42				*Forest Ranger's Office.*					
12	Do.	6	...	72			3	Clerks...	15	...	45		
12	Do.	5	...	60			3	Peons...	7	...	21	66	
8	Watchers	3	...	24	393								

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
		Rs.	Rs.	Rs.	Rs.	Rs.		Salem.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.
								Forest Establishment.					
							2	Foresters	30	...	60		
							3	Do.	20	...	60		
							5	Head Forest Guards...	8	...	40		
							25	Forest Guards	7	...	175	335	526
	South Canara.							South Canara.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
4	Gumastas	10	...	40			1	2nd Clerk	20	...	20		
3	Duffadars	10½	...	31½			1	3rd Clerk (Vernacular)	15	...	15		
18	Peons...	6	...	108	204½		1	Peon	8	...	8		
							2	Do.	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks...	15	...	30		
							2	Peons...	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do.	20	...	40		
							5	Head Forest Guards...	8	...	40		
							10	Forest Guards	7	...	70	210	339
	Palghaut.							Palghaut.					
								Forest Ranger's Office.					
1	Gumasta	10	...	10			1	Clerk...	15	...	15		
5	Peons...	6	...	30	40		1	Peon	6	...	6	21	
								Forest Establishment.					
							5	Forest Guards ...	7	...	35	35	56
	Wynaad.							Wynaad.					
								Office Establishment, 2nd Class (Special).					
1	Writer	60	...	60			1	Head Clerk...	50	...	50		
1	Gumasta	20	...	20			1	2nd Clerk	25	...	25		
1	Assistant Gumasta ...	20	...	20			1	Peon	9	...	9		
1	Duffadar	12	...	12			2	Do.	8	...	16	100	
10	Sub-Overseers	30	...	30				*Forest Ranger's Office.*					
10	Peons...	7	...	70	212		1	Clerk	15	...	15		
							1	Peon	7	...	7	22	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	20	...	20		
							2	Head Forest Guards...	9	...	18		
							2	Forest Guards	8	...	16		
							6	Do.	7	...	42	126	248
	Nelamboor.							Nelamboor.					
								Office Establishment, 1st Class.					
1	Writer	40	...	40			1	Head Clerk	45	...	45		
1	Head Gumasta	12	...	12			1	2nd Clerk	25	...	25		
1	Assistant do.	10	...	10									

Number	Designation.	Present Scale. Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Head.	Grand Total.	Number.	Designation.	Proposed Scale. Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	NELAMBOOR.—(*Contd.*)	RS.	RS.	RS.	RS.	RS.		NELAMBOOR.—(*Contd.*)	RS.	RS.	RS.	RS.	RS.
	Calicut Timber Depôt Establishment.							*Office Establishment.*—(Continued.)					
1	Writer	60	...	60			1	3rd Clerk (Vernacular.)	15	...	15		
3	Peons...	6	...	18			1	Duffadar	10	...	10		
1	Head Duffadar	20	...	20			2	Peons...	8	...	16		
1	2nd Duffadar	12	...	12			2	Do.	7	...	14	125	
1	3rd Duffadar	10	...	10				*Calicut Depôt.*					
1	4th Duffadar	9	...	9			1	Clerk...	50	...	50	50	
6	Peons...	7	...	42				*Forest Establishment.*					
7	Do.	6	...	42	275								
							1	Forester	30	...	30		
							1	Do.	20	...	20		
							1	Head Forest Guard ...	10	...	10		
							1	Forest Guard	8	...	8		
							4	Do.	7	...	28	96	271
	OFFICE OF THE INSPECTOR OF FORESTS.							OFFICE OF THE INSPECTOR OF FORESTS.					
1	Head Clerk	75	...	75			1	Head Clerk...	100	...	100		
1	Draughtsman	40	...	40			1	Clerk	30	...	30		
2	Peons...	8	...	16	131		1	Do.	20	...	20		
							1	Moochee	12	...	12		
							1	Duffadar	12	...	12		
							2	Peons...	8	...	16		
							2	Do.	7	...	14	204	204
	FOREST ESTABLISHMENT UNDER THE BOARD OF REVENUE.							FOREST ESTABLISHMENT UNDER THE BOARD OF REVENUE.					
1	Assistant	300	...	300			1	Assistant	300	...	300		
2	Accountants	50	...	100			1	Head Accountant ...	75	...	75		
1	Compiler	40	...	40			1	2nd Accountant ...	60	...	60		
1	Clerk	25	...	25			1	Compiler	45	...	45		
1	Record-keeper	20	...	20			1	Copyist	30	...	30		
2	Clerks	10	...	20			2	Do.	25	...	50		
4	Peons...	7	...	28			2	Peons...	7	...	14	574	574
1	Sweeper	3	...	3	536								
								NEW FOREST ESTABLISHMENT.					
							2	Sub-Assistant Conservators of Forests.	200	...	400		
							2	Do. do.	150	...	300		
							6	Probationary Forest Rangers.	50	...	300	1,000	
							4	Clerks	25	...	100		
							8	Peons	7	...	56	156	1,156
457	Total...	...	...	...	...	7,557½	555	Total...	...	...	...	...	9,781

Proceedings of the Madras Government, Revenue Department,
21st August 1875.

No. 206. ORDER THEREON, 21st August 1875, No. 1,259.

Forests, No. 12.

HIS EXCELLENCY the Governor in Council considers that the necessity of enlarging and systematically reorganizing the entire Subordinate Forest Establishment is fully demonstrated.

The scheme now proposed meets with the warm approval of the Government, and will be at once forwarded for the sanction of the Government of India. His Excellency has no doubt that the result will be so marked an improvement in the conservation of the forests that the slight increase of expenditure will prove true economy.

2. The arrangement of the Central Office cannot be definitely determined upon until the relative position of the Board and the Inspector is settled, and this portion of the scheme will be separately disposed of.

3. The Government approve of the nomenclature as adopted by the Board of Revenue in paragraph 12 of their Proceedings, and the introduction of a graded list is sanctioned; but for the present "Rangers" only should be brought on to it, and their selection and promotion will rest with the Inspector.

4. In the matter of clothing the Government are of opinion that it is desirable that the whole of the subordinate establishment should be supplied with uniform, &c., on the system in force in the Police. The Board will be good enough to consider the matter and report on the probable expense after arranging the details in communication with the Inspector.

5. His Excellency desires that Captain Walker will accept the thanks of the Government for the thorough and practical manner in which he has reviewed what was required and submitted his proposals.

(True Extract.)

(Signed) A. MACGREGOR,
Acting Secretary to Government.

To the Board of Revenue.
„ the Officiating Inspector of Forests.
„ the Accountant-General.

Exd. J. W. Fischer.

Forest No. 129.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 3rd July 1875, No. 1,844.

Read the following letter from Captain CAMPBELL WALKER, Officiating Inspector of Forests, to H. E STOKES, Esq., Acting Secretary to the Board of Revenue, dated Ootacamund, 24th May 1875, No. 143:—

WITH reference to Board's Proceedings, No. 20-511, dated 7th March, and G. O., No. 1,313, dated 12th October 1874, I have now the honor to submit a complete scheme for the revision of the subordinate Forest Establishments throughout the Presidency prepared in intimate communication with the Collectors of Forest Districts and the Forest Officers in charge.

2. In considering the scheme now presented, I trust that the Board and Government will bear in mind that it is one more, properly speaking, of organization than of revision, for the department, started in 1858 under Dr. Cleghorn with a Travelling Assistant and a few Forest Peons, has extended gradually to its present condition without any systematic organization or comprehensive view of the duties of the several employés. Thus we find Overseers or Foresters on varying rates of pay irrespective of their standing in the department or nature of their duties; Sub-Overseers, Maistries, Pygusts, and Duffadars with analagous duties; and Forest Peons and Watchers employed in office or tannah stations instead of in the performance of their legitimate work in the forests. Numerous modifications have been made from time to time in the sanctioned scale with the approval of the Local Government, and there are considerable establishments employed as "temporary" and paid from the budget allotments under "A, Conservancy and Working."

3. The establishments, therefore, at present consist, as a rule, of a number of atoms devoid of any cohesion, and wanting in all the elements which constitute organization and discipline without which no department can rightly perform the duties for which it is constituted.

In extending operations to any new revenue district or zillah, it has been customary merely to sanction the appointment of an officer of the controlling grade with the lowest possible staff of office and forest subordinates often very inadequately paid. The result has naturally been that the officer on comparatively high pay has been obliged to devote much of his time to details of office work, which should properly fall to an accountant or writer, or to the minutiæ of a forest police, which should be entrusted to forest guards or patrols. Supervision and real forest conservancy have suffered accordingly, not to mention the study and practice of real forestry and instruction of the subordinates in their duty.

No one can examine a statement of our establishments without being forcibly struck by these points and acknowledging that we have been expected to make bricks without straw, and that in most districts the department is all head without any body or legs.

4. I am sure that it is not the wish of the Board or Government that this state of things should continue, and have, therefore, sought, in the scheme which I have the honor to bring forward, to provide for the entertainment of adequate establishments for the performance of the details of office, executive, and con-

servancy duties, having due regard, at the same time, to economy and the financial position and prospects of the department.

5. The scheme now submitted has been drawn up after personal inspection of all the forest districts in the Presidency with the exception of those noted in the margin, which are, therefore, unaffected by it, the nomenclature of the several employés being merely assimilated with that proposed for other districts. I have also studied the admirable reports of Mr. Brandis, Inspector-General of Forests to the Government of India, on the revision of the subordinate forest establishments in Bombay in 1870 and Mr. Baden-Powell, B.C.S., the Officiating Inspector-General, on the same subject for British Burmah in 1873, and availed myself freely of the valuable hints which they contain.

Ganjam, Vizagapatam, and Godavery.

6. It is of little moment that the general system of organization of the Forest Department in this Presidency differs at present from that of the rest of the empire. Whether we consider it as part or parcel, or as a separate branch, of the Revenue Department, it has certain duties to perform, and it is imperative that it should be placed in a position to do so by having adequate and fairly-paid servants with prospects of promotion not inferior to those of other departments.

7. As regards nomenclature, I experienced some difficullty in fixing on a suitable title for the executive officers hitherto known as Overseers or Foresters. I now recommend that they should be [illegible] *Forest Rangers*," which has the advantage of being distinctive and is in accordance with the classification which it is intended to adopt for the future in the provinces under the Government of India (*vide* Mr. Hume's letter to Chief Commissioner of British Burmah, No. 802, dated 28th July 1874, paragraph 21, recorded with Resolution of Government of India, Nos. $\frac{26}{917\text{-}928}$, dated 12th August 1874).

Below them I propose a grade of *Sub-Rangers*, and retain the designation of "*Forester*" for all forest guards or patrols, many of whom are now designated peons, watchers, &c.

Under this classification the District Forest Officer will administer (under the Collector or Conservator's orders) a division consisting of one or more *Ranges* embracing the forests of from one to three taluqs. The ranges will be sub-divided into sub-ranges, arranged so that each forest taluq shall have at least one responsible forest subordinate, and each sub-range will consist of several blocks or beats for which a *Forester* will be held responsible.

The extent of these beats, sub ranges, and ranges will still be far too large to admit of efficient conservancy; but I apprehend that the area of purely State forest for which alone the scheme provides will gradually be considerably circumscribed as demarcation, survey, and settlement operations progress; we shall then be able to concentrate our staff on a more limited area with, I feel sure, the best results. Of course, if the Government prefer it, the nomenclature in force in other provinces under the Government of India may be adopted throughout. "Sub-Rangers" would then be styled "*Foresters*" and "Foresters" "Forest Guards."

8. I must here allude incidentally to an idea which I fear is too common amongst those who have not studied forestry, *viz.*, that any large indigenous forest is practically inexhaustible. I do not believe in any of our forests being *inexhaustible* if not preserved and conserved on some rational system. So long as fire devastates them each year, and they are exposed at all seasons to the damage done by goats, cattle, and cowherds, so long as "selection felling" (Jardinage-planter-betrieb,) removes all the better descriptions of timber trees directly they attain, or approach to, maturity, no forest of whatever extent can be considered inexhaustible. On the other hand, I have no hesitation in affirming that one-twentieth, or probably even one-hunredth, part of our forests in this Presidency would suffice for all wants, and be really and practically inexhaustible if properly protected, conserved, and worked on a rational system with working plans carefully prepared and revised from time to time as circumstances required.

9. My scheme provides for (1) adequate office establishment for the District and Range Officers; (2) an executive staff in the shape of Forest Rangers and Sub-Rangers; (3) Forest Guards and Patrols designated Foresters, whose duties will be exclusively in the forests. Working establishments will be employed as required, and charged against the work whether it be felling, dragging, and carting of timber, planting, firewood reserve operations, &c., their pay being provided for each year in the budget and drawn on bills against "A, Conservancy and Working" as prescribed in accordance with G.O. No. 147, dated 27th January 1875.

It is proposed to entrust the recovery of permits mainly to the village officials who receive a percentage of from [illegible] per cent. on their issue, but where this is not possible tanna peons will be entertained and their cost debited against the license and voucher system in the same manner as the percentage alluded to is now shown. We shall thus arrive at more definite conclusions as to the cost of our operations, and relative advantage of the different systems of working, and secure, in the case of the license and voucher system, the advantage of a double check, *i.e.*, by the Foresters in the forest, and by those authorized to demand and recover the licenses outside.

10. *Office Establishments.*—I have, after careful consideration, been able to divide all divisional office establishments into first and second class, the first class consisting of eight employés at a monthly cost of Rupees 125, and the second class of six at a monthly cost of Rupees 87 (except in two divisions—Wynaad and the Nilgiris—where a slight deviation from the usual scale has been found necessary). The designation and pay of the employés proposed for each class are as follow:—

1st-Class Office.

	Rs.	Rs.
1 Head Clerk	45	
1 Second do.	25	
1 Third do. (Vernacular) ...	15	
	—	85
1 Duffadar	10	
2 Peons, at Rs. 8 each	16	
2 Do. at „ 7	14	
	—	40
Total...		125

2nd-Class Office.

	Rs.	Rs.
1 Head Clerk	30	
1 Second Clerk	20	
1 Third do. (Vernacular)	15	
	—	65
1 Head Peon	8	
2 Peons, at Rs. 7 each	14	
	—	22
Total...		87

The Head Clerk will have charge of the compilation of the accounts and periodical returns, which are numerous, and general management of the office.

He will, as a rule, remain at head quarters, forward letters, &c., to the District Forest Officer when on tour, and furnish any information required by the Collector or Treasury Deputy.

The Second Clerk will have charge of the English correspondence, copying and registering all letters received and despatched, &c.

The Third Clerk will, in like manner, have charge of the vernacular correspondence. One or both will, as a rule, accompany the district office on circuit, so that routine correspondence, &c., may be carried on as usual.

It is indispensable that a Forest Officer should have an adequate staff of office peons to attend on him at office and on circuit, carry letters or orders, arrange for supplies, &c. Hitherto it has been too much the custom to give him only two, or in some cases none at all, which necessitated his taking away Forest Peons or Tannadars from their beat or station to the detriment of conservancy and loss of revenue to the State. Considering the out-of-the-way places which a Forest Officer has to visit, the difficulty of getting carriage and supplies, and the fact that one or more of the peons is generally down with fever, I think the Board and Government will allow that I have not fixed the scale of office servants too high.

It does not appear necessary to say anything more as to the scale of District Forest Office Establishments proposed, which compares favorably with that allowed for a Head or Special Assistant's Office (Rupees 177), or that of a Deputy Collector on general duty (Rupees 130), who have, as a rule, charge of only two or three taluqs.

11. I have entered one Vernacular Clerk (Rupees 15) and one Peon (Rupees 7 or 6) as office establishment for each Forest Ranger, and one Clerk on Rupees 25 and two Peons on 7 Rupees each for each Sub-Assistant Conservator. This I consider indispensable. At present most of our Overseers spend much valuable time in writing and copying urzees, yadasts, &c., and translating vernacular accounts, which should be done for them by the Clerk or Gumasta now provided for, who would, at the same time, gain an insight into the system of departmental working and be eligible for a Sub-Ranger's post or transfer to a Taluq Cutcherry Establishment if out-door work and travelling be found distasteful. The Peon will attend on the Ranger at office and on circuit, carry his tappals, and obviate the necessity of his taking away *Foresters* or Tanna Peons from their legitimate duties.

All these district establishments should receive batta when travelling under the same rules and at the same rates as those prescribed for subordinates in the Revenue Department on similar rates of pay (Standing Order of the Board of Revenue, No. 407-3).

12. There remains now only the Inspector's Office to consider, in which I include the Account Branch transferred to the Board in 1872.

It has appeared to me that it was not the intention or wish of Government to divorce, so to speak, the Inspector from his Office Assistant and the main portion of his office. Whether the audit of Forest accounts be entrusted to the Inspector (Conservator) or not, they must, if we are to secure economy and efficiency, be compiled, checked, and the expenditure controlled under professional eye, and I have, therefore, in my memorandum, dated 20th February 1875, submitted with reference to G.O., No. 1,340, dated 17th October 1874, advocated that, if our system remain as it now is, the Inspector should be transferred along with his office, and become the Board's representative or Secretary for Forest matters, retaining the right to express his individual opinion (*qua* Inspector) on professional Forest matters for the information of Government.

I have, however, drawn up the scheme for the head office, so that it may serve whether it be considered as one or two separate offices, the result being an increase of only Rupees 24 in the monthly cost due to increase of pay to the Head Accountant and Head Clerk, both old servants in the department, which has been several times recommended and postponed pending this revision.

The present Assistant must, of course, continue to receive Rupees 300 (Rupees 50 being considered a personal allowance, which I think should be increased by biennial increments of Rupees 50 to Rupees 400). The Head Clerk and other members of the correspondence or travelling office should, I think, receive a fixed allowance of twenty-five per cent. in addition to their pay whilst at Ootacamund owing to increased cost of living, house-rent, &c., on the hills, and at other times be entitled to travelling batta according to the rates laid down for the members of the office establishment of the Chief Engineer for Irrigation. There is no more arduous or disagreeable duty for an office-hand than travelling with the Inspector of Forests; and, as it is indispensable, if he is to make proper tours, that he should have one or two clerks with him, Government will, I am sure, grant them liberal batta.

Of the office servants, two or three will, as a rule, be absent in turn with the Inspector on tour, and the remainder remain at the Ootacamund Office and Chepauk, attending to office duties and ready to replace those who get sick on circuit. The details of the present and proposed establishments for the head office are as follows, the cost remaining, it will be remarked, much lower than for that of any other head of a department:—

Office of the Inspector of Forests.

Sanctioned Scale.	Rs.	Rs.	Proposed Scale.		
			Account Branch.		
1 Assistant	300		1 Assistant	250	
2 Accountants at Rupees 50 each ...	100		1 Head Accountant	75	
1 Accountant	40		1 Second do.	50	
1 Clerk	25		1 Record-keeper	45	
2 Clerks, at Rupees 10 each	20		1 Copyist	20	
1 Record-keeper	20				440
		505	*Correspondence.*		
1 Head Clerk	75		1 Head Clerk	100	
1 Draughtsman	40		1 Registrar	40	
2 Peons, at Rupees 8 each	16		2 Clerks, on 30 Rs. and Rs. 20 ...	50	
4 Peons, at Rupees 7 ,, ...	28				190
1 Sweeper	3		For the whole office. 1 Moochee	12	
		162	1 Duffadar	12	
			2 Peons, at 8 Rs. each ...	16	
			3 Do. at 7 ,, ,, ...	21	
					61
Total...		667	Total...		691

13. The total cost of the office establishments now proposed is Rupees 2,892 per mensem, or Rupees 34,704 per annum, thus:—

	Rs.
Office of the Inspector of Forests	691
District Office Establishments	1,468
Ranges including that of Sub-Assistant Conservators. ...	733
Total...	2,892

It is impossible to state accurately the present cost, as employés classed as Duffadars and Maistries are employed as Clerks, and Forest Peons in office duties, besides which there are considerable temporary office establishments sanctioned from savings under working establishments pending the submission of this scheme.

14. Some Collectors apply for an extra Clerk in their own cutcherries to attend to Forest accounts and correspondence, but I do not consider that this is necessary or advisable. If our organization remains as at present, or indeed in any case, the District Forest Offices must all, sooner or later, be in, or adjacent to, the Huzur Cutcherry of which the Deputy Conservator's Office will form part and parcel, the Head Clerk of his office being, during his absence, available for the collation and preparation of all forest statistics, statements, &c.

15. In considering the matter of office establishments, I beg that the Board and Government will bear in mind that nothing ties a controlling officer more to head quarters and his desk than a bad or unfler-manned office. There is, I consider, no greater misapprehension than that a large office means much writing and office work for its head; in most cases I think it quite the reverse. With an adequate office establishment one is free to move about and supervise, and I may state that for many years in Salem I employed and paid an extra writer from my own pocket, which alone enabled me to travel and organize the department in a manner which I believe gave satisfaction. More recently I observe that the South Arcot Forest Officer (Mr. Wooldridge) has done the same. "I am sure," as the Collector writes, "the Government never intended that such a burden should be thrown on any of their servants."

I should be inclined to encourage promotion from the office into the executive branch and *vice versa*: thus a Ranger's Gumasta would often make a good Sub-Ranger, and a Sub-Ranger a Head Clerk pending promotion to a Ranger's post. Almost all our best Native Overseers have been trained in the Deputy Conservators' offices before entering the executive branch.

16. *Forest Conservancy Establishments.*—Government having in paragraph 22 of Government Order, No. 148, dated 24th January 1872, alluded to the necessity of creating a grade on a higher rate of pay than Rupees 100 per mensem to which Overseers of long service and good conduct should be promoted, I have provided for four Sub-Assistants, two on Rupees 200 and two on Rupees 150 per mensem. These will be the prizes to which Forest Rangers may look forward, the Assistant and Deputies' grade being closed to them, except under especial circumstances, by recent orders with regard to the entertainment of trained officers from England. The pay of the grade in the Forest Department under the Government of India is Rupees 200; and, whilst I consider it sufficient, it cannot be considered too liberal for an upper subordinate of experience, who will be employed either in charge of a small division, such as Trichinopoly or Gumsur, or a sub-division under the Deputy Conservator.

These officers might really be considered as part of the controlling establishment, and take the place of the Probationary Assistants to which grade no further appointments are to be made—G.O., No. 1,404, dated 6th November 1874. I see that Mr. Brandis in his Bombay report so considers them, but I have thought it preferable to include them in this revision scheme although they are really four new appointments.

17. I provide for twenty-seven Forest Rangers, *viz.*, five 1st class on Rupees 100 + 25 horse allowance, five 2nd class on Rupees 80 + 20 horse allowance, and seventeen 3rd class on Rupees 60 + 15 horse allowance per mensem, the existing strength being thirty drawing Rupees 50 per mensem and upwards.

18. I recommend a fixed monthly horse allowance of Rupees 25, 20, and 15 *plus* a daily batta whilst travelling of Rupee 1, Annas 12, and Annas 8 respectively, the latter to be paid in accordance with the rules laid down for other departments as to distance travelled, &c.

The monthly allowance will only suffice for the feed and keep of a horse or pony, which is indispensable. A certificate to the effect that one has been maintained, and in certain ranges a small tent, should be required quarterly from each Ranger. The daily allowance will help to pay for carriage whilst absent from head quarters. A Ranger must either take a cart or several coolies with him whilst marching, and it is very necessary that he should not find himself out of pocket by the performance of this important and arduous portion of his duties. Overseers in the Department of Public Works draw, I believe, double and treble allowance (Rupees 30 and 45) according to the size or situation of their taluq, whilst the extent over which they have to travel is comparatively small and means of communication good compared with what our men have.

19. I have also provided for six Probationary Forest Rangers on Rupees 50 per mensem, and Annas 8 per diem batta whilst absent from head quarters. There will be men in training and available at any moment to fill vacancies, a want which is now much felt.

They will be recruited from (1) the ranks of the sub-rangers who have qualified for admission to the Ranger's grade, (2) applicants of a superior class and education (especially Europeans) for direct appointment to the Ranger's grade.

They will, under the orders of the Inspector, be sent to do duty in various ranges so as to obtain a practical knowledge of the different branches of Indian forestry, *e.g.*, conservancy, reproduction (natural or artificial), felling, removal of the forest produce to market including the construction of forest roads, license and voucher system. It is hoped also that many may be trained in elementary surveying and mapping.

20. I consider that too much weight can hardly be placed on the careful selection and training of the Forest Ranger, and that on him, more perhaps than any other of our officers, depends the efficient and judicious working of the department under whatever rules or regulations it may be organized. Owing to the

great extent of most of our forest divisions he is virtually the executive officer corresponding to the German "*Ober forster*," who is there regarded as the main stay of the system. As Mr. Brandis says in paragraph 55 of his Report, No. 208, of 18th June 1870, "eventually the executive management of the forests should entirely be in their hands under the control of the District Forest Officers."

No one should be appointed until he has passed the prescribed vernacular test if a European or East Indian, or a test in English if a Native, and served as a probationer for at least six months to the satisfaction of the officers under whom he may be placed. Under the instructions contained in G.O., No. 21, dated 9th January 1873, the rangers will all be placed on a graded list and promoted according to seniority tempered by selection, special qualifications or fitness for a particular post being, of course, taken into account. Under this system, which is, I think, the only fair and reasonable one, promotion will not necessarily involve transfer to another range, and the district expenditure, which I have entered, may, therefore, increase or decrease from time to time according to the grade of the Rangers employed.

21. I trust that Government will allow all appointments and promotions in the Forest Ranger grade to be under the direct and sole control of the Inspector, who will, of course, consult the wishes of the Collector and District Forest Officers, and, if considered advisable, report appointments and promotions to the Board.

The Inspector alone has the opportunity and experience necessary to judge of the requirements of the several ranges and the fitness of men to fill them, and he should make it a point on his tours to examine the Rangers in practical forestry and inspect their office records, &c., making confidential notes with regard to each in a book to be kept for the purpose in his office. Under the system which I would propose the Sub-Rangers' appointments would be local by District Forest Officers, being merely reported to the Inspector for entry in a general register to be kept in his office. Those qualified for promotion in any district should then be brought to his notice periodically and drafted into the ranks of the probationers as vacancies occur. I am glad to observe that the Secretary of State has in a recent despatch called attention to the necessity of careful selection and training for Forest subordinates of this class (G.O., No. 658, dated 27th April 1875), and the subject will be fully dealt with in the report called for by this Government.

22. Provision is next made for forty-seven Sub-Rangers in two classes on Rupees 30 and 20 with batta whilst travelling in lieu of the present Sub-Overseers, Assistant Foresters, Maistries, Pygusts, Duffadars, &c. It is intended that a man of this class should be in charge of each block, which should in no case include the forests of more than one taluq, and be responsible for its conservancy and working under the Ranger's orders.

They will be recruited from the natives of the district, a knowledge of English not being deemed imperative, although, of course, advantageous and indispensable for promotion to the Ranger class. As already stated, Range Gumastas and 1st-class Foresters will be peculiarly eligible for promotion into this class, which will thus be open to any native who can read and write the language of his district entering as a Forester on Rupees 6.

23. We next come to the large and important class of Foresters or forest guards in charge of "*Beats*." The Government of India scale for this class provides for rates of pay varying from Rupees 12 to Rupees 6 per mensem. My rates (with one or two exceptions) are Rupees 8, 7 and 6, the same as Police Constables, very low if we consider the nature of the duties; and I should be glad if Government would allow a class on Rupees 10, to which a few of the men, not qualified for Gumastah posts, might be promoted in each district as "Head Foresters."

The Government of India scale classes Sub-Rangers as Foresters on Rupees 40—15, and the class to which I am now referring as "forest guards."

I know of no objection to the nomenclature, and perhaps the Board and Government will prefer to adopt it in preference to that of "Sub-Ranger" and "Forester."

24. It has hitherto been the custom in this Presidency to employ our "guards" in tanna or other duties quite away from the forest, of the extent and nature of which and its resources they are often quite ignorant. I provide for 288 Foresters or forest guards, and contemplate that each should have a "beat" for which he will be responsible to the "Sub-Ranger" or "Forester." The extent of these beats will at present, in most instances, be far too large, but matters in this respect may be expected to improve as we progress with demarcation, &c., and concentrate our attention more particularly on the State or reserved forests. As it is, even with a beat of five miles, an active man well looked after should, after a few months, know pretty well what it contains, and be able to check any unauthorized felling or damage within its limits; when felling takes place on permit he should satisfy himself that the wood-cutters have their permits, and do not remove produce other than, or in excess of, the quantities entered in them. In this respect the forest guard and village officer or Tannadar who recovers the permit will act as a check on each other.

25. With reference to Board's Official Memorandum, No. 29-435, dated 22nd March 1875, I propose that all our guards, Foresters, and Rangers should be supplied with coats of a uniform color and pattern to be worn on all occasions when on duty. Forest guards should also wear a leather belt with the departmental badge round the waist, as belts over the shoulder are inconvenient and useless in the forest. This system of uniform has recently been introduced into the forests of the southern division, Bombay, with the best results, and I beg strongly to recommend it, and submit a pattern of the stuff which I propose to adopt. The price is Annas 12½ per yard, on which the German Mission at Mangalore will allow a discount of 10 per cent., if a large quantity, such as we should require, be taken.

Altogether, I fancy, we might calculate the cost at about Rupees 3 per coat, or say Rupees 1,200 per annum in round numbers. The coats could be warmly lined for hill use, in addition to which all Foresters or guards employed on hill ranges should be supplied with a good cumbly annually. Office Peons and Duffadars should also be supplied with coats and cumblies once a year. This is now done in most districts, as the Peons have to accompany the forest officers

into hill forests, and nothing is worse economy than having men prostrated with cold, wet, and fever for want of proper clothing.

I shall be prepared to work out the clothing scheme on the most economical basis, and arrange all the details if the Board and Government approve of the proposals generally. At present, several of our officers provide warm clothing to their office Peons and others on their establishments from their own pockets.

26. I do not consider it necessary to write more beyond a few explanatory remarks on each district. The scheme must speak for itself, and I submit it with confidence for favorable consideration.

It provides for a complete staff including four new appointments of Sub-Assistant Conservators, and six of Probationary Forest Rangers, at a total monthly cost of Rupees 9,529 against Rupees 7,549-8-0 now sanctioned. Deducting the new appointments, the increase is Rupees 823-8-0 per mensem, or Rs. 9,882-0-0 per annum; but this is, in reality, purely nominal, as the cost of the temporary establishments employed in many districts, notably in Madura and South Arcot, where we have taken over forests from Jungle Conservancy from time to time, and provided no fixed establishment under Class B., far exceeds the increase now proposed. I regret that it is out of my power to give a list of those temporary establishments which can only be compiled from the monthly working charge bills, which I do not see. This information can be readily supplied by the Forest Assistant in the Board's Office. There is also a saving of Rupees 100 per mensem by the new scale of controlling establishments submitted to the Government of India with G. O., No. 503, dated 1st April 1875.

27. Even if we consider the net increase amounting, if we include the new appointments per mensem, to Rupees 1,979 or Rupees 23,754 per annum, as real, I trust that the Board and Government will agree with me in considering it indispensable, and that it must result in benefit to the State, both as regards true conservancy and increase of forest revenue.

I have no fears regarding the latter; with good management the legitimate forest revenue must increase year by year, especially as our plantations and fire-wood reserves, on which we have spent large sums, commence to yield a return. The estimated revenue for 1875-76 is Rupees 5,00,000 against Rupees 4,00,000 for 1874-75, and if the establishments now proposed are sanctioned and entertained from the 1st April next, I shall have no hesitation in estimating our revenue for 1876-77 at Rupees 6,00,000, and at 10,00,000 for 1,880.

In short the extra expenditure, even if we consider it as real, will be far more than recouped by the increased money return, let alone the indirect advantages of enhanced conservancy and improvement of the valuable Government property entrusted to the charge of the Forest Department.

28. The present scheme deals only with Imperial forest establishments. I think another should be drawn up for local or Communal Jungle Conservancy establishments which can, as a rule, be supervised by the district forest officers and Rangers without prejudice to their other duties.

29. I must apologize for the delay in submission of the report due partly to the late date at which some of the district schemes were received, but more particularly to the weakness of my personal office which is quite inadequate for the performance of the ordinary routine work, not to mention the copying of reports like this, and compilation of the tabular statements which accompany them in accordance with orders.

30. GANJAM.—*Gumsoor and Surada.*

The sanctioned establishment for this range is Rupees 212.

I do not propose to alter it for the present, but as the officer in charge, Mr. McCally, the Senior Forest Overseer, who has been in the department since 1865, will certainly be one of the new Sub-Assistant Conservators, and as such is provided for elsewhere. I omit his post as 1st-Class Overseer, as well as the office establishment and two Peons, which are provided for under the office establishment of the Sub-Assistant.

The revised establishment will therefore stand as follows:—

	Rs.
1 Head Forester at Rupees 8	8
7 Foresters at Rupees 6	42
Total...	50

and a saving of Rupees 162 on the range be exhibited.

31. VIZAGAPATAM.—*Golcondah.*—The sanctioned establishment consists of a Sub-Overseer and four Peons, costing Rupees 64.

The Sub-Overseer is not entertained, and the whole establishment requires remodelling, if we retain the forests under Imperial Conservancy. Pending inspection, I retain the total amount as before, merely making the travelling allowance of the Sub-Overseer available for the pay of a Head Forester. The establishment will therefore stand as shown below:—

	Rs.
1 Sub-Forest Ranger, 1st Class	30
1 Head Forester	10
4 Foresters at 6 Rupees	24
Total...	64

32. BELLARY.—*Gooty Plantations.*—I have recommended that this plantation should be abandoned as an Imperial work,—*vide* Board's Proceedings, No. 46, dated 7th April 1875. In any case the establishment should be exhibited to "A. Conservancy and Works" under Head IV., 2, Artificial Forests, and not included under "B. Establishment." It is therefore excluded. The existing scale consists of one Maistry on Rupees 10, and three gardeners on Rupees 18, and exhibit a decrease of Rupees 28 per mensem. The Collector in his letter to the Board, No. 97, of 3rd April 1873, recommended the entertainment of two Gumastahs on Rupees 15 each per mensem, one for his own and one for Mr. Yarde's office; but these will not be required under the above explanation.

33. GODAVERY.—*Badrachellum and Rakkapully.*—These establishments, recently transferred with the forests from the Central Provinces, are not interfered with, pending inspection and report. The grading is merely assimilated with that proposed for other districts with the following results:—

Existing.				Proposed.			
	Rs.	A.	P.		Rs.	A.	P.
1 Jungle Darogah	50	0	0	1 Forest Ranger	50	0	0
1 Mohuri	15	0	0	1 Clerk	15	0	0
4 Chuprasees	28	0	0	4 Foresters	28	0	0
Total ...	93	0	0	Total ...	93	0	0

34. CUDDAPAH.—*Cuddapah.*—The existing sanctioned establishment costs Rupees 442 per mensem, but there are temporary establishments as per enclosure to Collector's letters, Nos. 111 and 172, dated 12th July and 26th September 1873, costing Rupees 146 monthly. Of these last, the gardeners will, of course, be retained and paid from Working Charges, as well as firewood reserve watchmen when specially required. The Collector originally supported Mr. Yarde's proposals for a revised establishment to cost Rupees 1,146 or Rupees 746, excluding the pay of the Deputy Conservator; but since my inspection, has, I believe, approved and submitted the scale which I drew up with Mr. Yarde, adding a Gumastah and two more Peons for the Deputy Conservator's office. I do not think they will be necessary. The Red-wood Depôt Gumastah may, of course, be retained and his pay charged against the red-wood operations.

The scale proposed as shown below exhibits an increase of Rupees 187 per mensem. Cuddapah has become one of our most important forest districts, and the revenue has increased from Rupees 46,000 to 60,000 during the last five years, and is still capable of development. It is now proposed to divide the district into forest ranges which has never hitherto been done, and introduce systematic and careful conservancy of the forests, especially those containing the red-wood (*Pterocarpus santalinus*) which is very valuable. I have so recently submitted a full report on the forests of this district, that it appears unnecessary to say more. The establishments proposed I consider moderate, considering the extent of the forest division (four taluqs) and its configuration:—

Deputy Conservator's Office, 2nd Class.

		Rs.	Rs.
1	Head Clerk at Rupees 30	30	
1	Second do. do. 20	20	
1	Third do. do. 15	15	
1	Peon do. 8	8	
2	Peons do. 7	14	
			87

Forest Ranger's Office.

2	Clerks at Rupees 15	30	
2	Peons do. 6	12	
			42

Forests.

		Rs.	Rs.
1	Forest Ranger, 1st Class, at Rupees 100	100	
	Horse allowance	25	
1	Forest Ranger, 3rd Class, at Rupees 60	60	
	Horse allowance	15	
2	Sub-Rangers at Rupees 30	60	
2	Do. at do. 20	40	
5	Foresters at do. 8	40	
10	Do. at do. 7	70	
15	Do. at do. 6	90	
			500
	Total...		629

35. KURNOOL.—*Kurnool.*—The Forest Department in this district may be strictly said never to have been organized at all.

A Sub-Assistant was placed in charge with a few Peons, and eventually an Overseer at Cumbum to assist him, but, owing to the remoteness of the district, and to a belief, which I by no means share, that the Nullamullay forests were inexhaustible, there has been but little real conservancy, though a considerable forest revenue (averaging Rupees 30,000) has been collected and portions of the forests have been nominally closed and styled reserved. The existing establishment costs Rupees 350, besides which there are eight temporary Peons, costing Rupees 48 per mensem, employed under the sanction of the Board of Revenue, No. 225, of 27th November 1874.

The proposed scale which I drew up with Mr. Boileau on the spot, and which has Mr. Hope's approval, although I have not been favored with his views officially, will cost Rupees 549, being an increase of Rupees 199 per mensem or Rupees 2,388 per annum. For this sum the establishment will, it is hoped, be thoroughly organized, and the division of five taluqs divided into two ranges, lying to the east and west of the Nullamullays, under the charge of two Forest Rangers, three Sub-Rangers, and thirty Foresters, the number of these last will barely suffice to patrol the whole length of forest, extending some ninety miles from north to south; but if properly supported by the village officials, aided when necessary by a few Tannah Peons to check and recover permits, they will, it is hoped, suffice for the present.

The total monthly expenditure on Establishment, including the Assistant Conservator's pay, will be Rupees 699 or Rupees 8,388 per annum, whilst the annual revenue, which is chiefly from license felling, may be estimated at Rupees 30,000. In his letter, No. 216, of 23nd July 1873, Mr. Hope proposed certain increase to the establishment and a decrease in the pay and number of the Assistant Conservator's office.

I believe he has since modified those views on a more complete knowledge of the extent and nature of the duties.

The proposed scale stands as follows:—

				Rs.	Rs.
Assistant Conservator's Office.—2nd Class					87
Ranger's Office.					
2	Clerks at Rupees 15			30	
2	Peons at ,, 6			12	42
Forest.					
2	Forest Rangers, 3rd Class,	at Rupees 60		120	
	Horse allowance of do.	at ,, 15		30	
1	Sub-Ranger	at ,, 30		30	
2	Do.	at ,, 20		40	
5	Foresters	at ,, 8		40	
10	Do.	at ,, 7		70	
15	Do.	at ,, 6		90	
					420
			Total ...		549

36. SOUTH ARCOT—*South Arcot.*—The existing sanctioned establishment costs Rupees 128 per mensem, and the proposed scale will cost Rupees 368, an increase of Rupees 240 per mensem or Rupees 2,880 per annum. After discussing the matter fully with the Collector and Deputy Conservator, I have come to the

conclusion that the establishment now proposed is very essential, owing to the recent transfers from Jungle Conservancy to Imperial Forests of the Gingee jungles, and to a large number of men being paid from Working Charges, who should be brought on the permanent strength of the establishment. Mr. Wooldridge states in his letter, No. 7, dated 18th September 1873, that he is obliged to entertain some additional clerks who are paid from his own pocket, and the Collector supports the increase proposed in his letter, No. 143, of 9th May 1873. It has long been admitted that the South Arcot Forest Establishments are very inadequate, considering the large area which they have to supervise, which has recently been increased by the transfer of a portion of the Jevadi Hills adjoining the South Arcot District, and will probably be still further extended on the settlement of the question as to the right to the hill slopes in Kullacurchy Taluq now under investigation. The revised establishment will stand as follows:—

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Ranger's Office.		
1 Clerk at Rupees 15	15	
1 Peon at ,, 6	6	
	21	
Forest.		
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do. at Rupees 15	15	
1 Sub-Ranger at Rupees 30	30	
1 Do. at ,, 20	20	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
10 Do. at ,, 6	60	
	260	
Total	368	

37. North Arcot.—*North Arcot.*—In this district the sanctioned amount for Subordinate Establishment is Rupees 447 per mensem, and the proposed establishment will cost Rupees 582, an increase of Rupees 135 per mensem. The Collector in his letter, No. 139, of 19th March 1873, strongly supports the revised scale, owing to the steady increase of the revenue (from Rupees 8,000 to 20,000), the addition of Gooriatum and Tripatty Hill Forests, as well as a portion of the Jevadi Hills Forests with an area of sixty square miles to be transferred from Salem Forests (G. O., No. 1,346, of 19th October 1874).

The proposed scale stands as follows:—

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Rangers' Office.		
2 Clerks at Rupees 15	30	
2 Peons at ,, 6	12	
	42	
Forest.		
1 Forest Ranger, 2nd Class, at Rupees 80	80	
Horse allowance of do.	20	
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do.	15	
2 Sub-Rangers at Rupees 30	60	
2 Do. at ,, 20	40	
4 Foresters at ,, 8	32	
8 Do. at ,, 7	56	
15 Do. at ,, 6	90	
	453	
Total	582	

38. Madura.—*Madura.*—In this district the sanctioned amount for Subordinate Establishment is Rupees 342 per mensem; the establishment now proposed will cost Rupees 564. The Collector in his letter, No. 299, of 15th April 1875, proposes an increase of Rupees 69 per mensem, on the latter making Rupees 638 in all, both for office and forest establishments. I have since, in communication with Mr. Brougham, the Acting Deputy Conservator, fixed the establishment for this district, including the portions taken over from time to time from Jungle Conservancy, for which no establishment has ever been provided, at Rupees 564 as above. He encloses a statement showing the sanctioned scale at Rupees 432, including the Overseer sanctioned for Trichinopoly (G. O., No. 1,258 of 15th August 1870), and the 2nd Clerk in the Deputy Conservator's office sanctioned as a temporary measure (G. O., No. 1,313, of 12th October 1874), and the existing scale at Rupees 569, including temporary Peons, &c. On the supply of railway fuel to the Great Southern Railway being undertaken by our department, a small number of temporary men will be employed, who will be paid from Working Charges under head "A. Conservancy and Works." A special allowance of Rupees 10 is entered for the Sub-Ranger in charge of the Lower Pulnies, as he is required to reside on the hills, where living is expensive. In course of a year this district will become very important on account of the Railway line passing through it, and the demand for fuel will be very great. The present temporary establishment as per margin, now paid from Working Charges, will be brought permanently on the strength of the establishment on the sanction of the scale. The proposed scale stands as follows:—

1 Sub-Overseer.
1 Duffadar.
17 Peons.

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Ranger's Office.		
2 Clerks at Rupees 15	30	
2 Peons at ,, 6	12	
	42	
Forest.		
2 Forest Rangers, 3rd Class, at Rupees 60	120	
Horse allowance of do. at Rupees 15	30	
2 Sub-Rangers at Rupees 30	60	
3 Do. at ,, 20	60	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
15 Do. at ,, 6	90	
	435	
Total...	564	

39. Tinnevelly.—*Tinnevelly.*—The existing sanctioned establishment costs Rupees 464 per mensem, and the proposed one will cost Rupees 589, being an increase of Rupees 125 per mensem, or Rupees 1,500 annually. The Collector in his letter, No. 397, of 29th July 1873, reported that no revision of the forest establishment was required; but the Deputy Conservator in his letter, No. 125, of 10th September 1874, to the Collector, urges the necessity of bringing the temporary establishment now employed in the district, and paid from Working Charges under head "A. Conservancy and Works," on to the sanctioned establishment, and submits a scale which I have brought into accordance with that proposed for the rest of the Presidency, and which after recent inspection I consider absolutely

necessary for the conservation of these fine Ghaut forests, extending through five taluqs, and of which the annual revenue may be estimated at Rupees 20,000. The proposed revised establishment will stand thus :—

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Ranger's Office.		
	Rs.	
2 Clerks at Rupees 15	30	
2 Peons at ,, 6	12	
	—	42
Forest.		
1 Forest Ranger, 2nd Class, at Rupees 80	80	
Horse allowance of do.	20	
1 Forest Ranger, 3rd Class	60	
Horse allowance of do.	15	
2 Sub-Rangers, at Rupees 30	60	
3 Do. at ,, 20	60	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
15 Do. at ,, 6	90	
	—	460
Total...		589

40. Coimbatore.—*North Coimbatore.*—Major General Morgan had charge of the Collegal, Sathiamangalum, and Bhowani Forests until recently as a special case; on that officer's retirement it has been found necessary to re-arrange the charges, and place those forests under the charge of the Deputy Conservator in charge of Mettupollium, &c.—(*Vide* G. O., No. 430, of 16th March 1875.) The whole division being styled "North Coimbatore," leaving the Annamallay and Oodumulpettah Taluq forests as "South Coimbatore." The establishment now sanctioned for Mettupollium, Bolumputty, and the three taluqs mentioned above costs Rupees 890.

The revised establishment will stand as follows, exhibiting a decrease of Rupees 87 per mensem :—

Deputy Conservator's Office, 1st Class.

	Rs.	
1 Head Clerk...	45	
1 2nd do.	25	
1 3rd do. (Vernacular)	15	
1 Duffadar	10	
2 Peons at Rupees 8	16	
2 Do. at ,, 7	14	
	—	125
Forest Ranger's Office.		
4 Clerks at Rupees 15	60	
4 Peons at ,, 7	28	
	—	88
Forest.		
1 Forest Ranger, 1st Class, at Rupees 100...	100	
Horse allowance of do.	25	
1 Forest Ranger, 2nd Class, at Rupees 80	80	
Horse allowance of do.	20	
2 Forest Rangers, 3rd Class, at Rupees 60	120	
Horse allowance at Rupees 15 each	30	
2 Sub-Rangers at Rupees 30	60	
1 Do. at ,, 20	20	
5 Foresters at ,, 8	40	
5 Do. at ,, 7	35	
10 Do. at ,, 6	60	
	—	590
Total...		803

being less by Rupees 87 per mensem than the present scale. It will be necessary to provide for a personal allowance of Rupees 15 to the present Head Clerk recently transferred from Mudumullai, &c., where he drew Rupees 70 per mensem on account of his long service in the department, extending over fifteen years.

The revenue of the new division may be estimated at Rupees 70,000 from sandalwood, timber, and minor items, and on the completion of the Neringipett channel it may be expected to increase.

41. Coimbatore.—*South Coimbatore*—(*Annamallay, &c.*)—The sanctioned scale provides Rupees 491, and the proposed Rupees 602, showing an increase of Rupees 111 per mensem. I consider this increase warranted by the prospects of increasing revenue and enhanced conservancy. The existing establishment was sanctioned years ago when we had only the Government reserved forests under conservancy operations, which have now extended to the south including the forests of the Oodumulpettah Taluq, from which we derive a considerable revenue under the License and Voucher system. The Annamallay Forest is one of the best and most lucrative in this Presidency, and we have at present large indents from the Public Works and Ordnance Departments and the Admiralty to meet. Mr. Douglas proposes in his letter, No. 384, of 9th March 1875, to divide the forests into two, *viz.*, "Reserved and Unreserved," and makes provision for an adequate establishment.

The establishment proposed stands as follows :—

	Rs.	
Deputy Conservator's Office, 1st Class		125
Forest Ranger's Office.		
2 Clerks at Rupees 15	30	
2 Peons at ,, 6	12	
	—	42
Forest.		
1 Forest Ranger, 1st Class, at Rupees 100	100	
Horse allowance of do.	25	
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do.	15	
2 Sub-Rangers at Rupees 30	60	
2 Do. at ,, 20	40	
5 Foresters, at ,, 8	40	
5 Do. at ,, 7	35	
10 Do. at ,, 6	60	
	—	435
Total...		602

42. Neilgherries.—*Neilgherry Range.*—The present sanctioned scale comprises a Forest establishment costing Rupees 658, and the proposed one will cost Rupees 602, being a decrease of Rupees 56 per mensem. These forests, consisting of Mudumullai, Seegur, and the Hill plateau have recently been constituted as one division styled "Neilgherry," and placed under the charge of a separate Forest Officer. The pay of the Head Clerk is entered Rupees 60, 15 Rupees more than the other ranges, as a special case, on account of the dearness of living on the Hills. A special allowance of Rupees 10 is also proposed for the Sub-

Ranger of Neilgherry, who will replace the 2nd Overseer who now draws Rs. 80 per mensem. For the same reasons the rate of pay proposed for Foresters is slightly higher than for those in other ranges, as Mr. Brooks found that good men could not be obtained for less than Rupees 8 per mensem with clothing and prospects to promotion. The revenue of the division is estimated at Rs 70,000 per annum, and as there is a steady demand for teak and sandalwood from Mudumullai and Seegur, and the plantations on the Neilgherry are commencing to yield a revenue, I have no doubt it will steadily increase.

Deputy Conservator's Office, 1st Class.

	Rs.	Rs.
1 Head Clerk	60	
1 2nd do.	25	
1 3rd do. (Vernacular)	15	
1 Duffadar	10	
3 Peons at 8	24	
		134

Forest Ranger's Office.

	Rs.	Rs.
2 Clerks at Rupees 15	30	
2 Peons at ,, 7	14	
		44

Forest.

					Rs.	Rs.
1 Forest Ranger, 1st Class,	at	Rupees	100	... ...	100	
Horse allowance of	do.	...	...	... ...	25	
1 Forest Ranger, 2nd Class,	at	Rupees	80	... ...	80	
Horse allowance of	do.	...	...	... ...	20	
2 Sub-Rangers at	Rupees	30	...	... ...	*60	
1 Do.	at	,,	20	... ...	20	
4 Foresters	at	,,	10	... ...	40	
7 Do.	at	,,	9	... ...	63	
2 Do.	at	,,	8	... ...	16	
						424
				Total...		602

43. SALEM.—*Salem.*—In this district the sanctioned amount for subordinate establishment is Rupees 673, and the proposed establishment will cost Rs. 786.

The establishment in this district were partly revised in 1868, and, although the curtailments made on the scheme submitted by the Deputy Conservator in communication with the Collector vitiated its entirety, the results have been most encouraging. Conservancy and systematic working being without doubt further advanced here than in any other district in the Presidency, whilst the annual revenue, averaging Rupees 70,000, exceeds that of the finest forests, such as the Annamallays and Mudumallays.

The Acting Collector (Mr. Price) originally submitted a revision scheme to cost Rupees 1,046, and Mr. Brougham's more recent scheme submitted by Mr. Longley exhibits a total of Rupees 913 per mensem, but by eliminating the firewood reserve Overseer and establishment the depôt clerks and gardeners, whose pay falls legitimately to the respective works, and reducing the Forester's pay to Rupees 8, 7 and 6, in lieu of 9, 8 and 7, &c., I have brought it down to

* Special allowance of Rupees 10 is allowed to one of the Sub-Rangers.

Rupees 785, or Rupees 112 per mensem above the cost of the present establishment, which is notably insufficient and under-paid. One of the probationary Forest Rangers will probably as a rule be employed in this district, and can assist in supervising the firewood reserves, which, with the sandalwood tracts of Denkincottah and the Acha forests of Pennagarum to be worked vigorously so soon as the ghaut now in progress is opened out, constitute the most important portions of the district from a forest point of view. The distribution of the establishment is to be entirely changed, and one of the Sub-Assistants will probably be located in it in lieu of the 1st Class Forest Ranger, for whom provision is made. The proposed scale is as follows:—

	Rs.	Rs.
Deputy Conservator's Office, 1st Class	125	
Forest Ranger's Office.		
3 Clerks at 15 Rupees each	45	
3 Peons at 7 ,, ,, ...	21	
		66
Forest.		
1 Forest Ranger, 1st Class	100	
Horse allowance	25	
2 Forest Rangers, 3rd Class	120	
Horse allowance of do.	30	
2 Sub-Rangers at 30 Rupees...	60	
3 Do. at 20 ,, ...	60	
5 Foresters at 8 ,, ...	40	
10 Do. at 7 ,, ...	70	
15 Do. at 6 ,, ...	90	
		595
Total ...		786

44. SOUTH CANARA.—*South Canara.*—The existing scale costs Rupees 504-8-0, and that proposed Rupees 509, being a small increase of Rupees 4-8-0 per mensem. Mr. Cherry, the Deputy Conservator, in his letter, No. 260, of 10th April 1875, encloses a Memorandum showing how the establishment is to be distributed as outlined when I was in the district, and suggests that the district may be divided into ranges, north and south. This arrangement recommends itself on every ground. The Collector in his letter, No. 708, of 19th April 1875, generally concurs with the scheme submitted by Mr. Cherry, but offers some remarks as to the grading and employment of Forest Rangers, which have received due consideration on framing the general scale. Mr. Webster proposes to reduce the pay of the "Foresters" to that of Taluq Peons, but I have retained it at Rupees 8, 7, and 6 as entered for other districts; the Foresters' duties and those of Taluq Peons are not analogous, the former being much more arduous and distasteful to most natives.

The rate of pay entered for the *Peons* to be attached to the Forest Rangers (Overseers) is similar to that of Taluq Peons, the duties being identical. The Collector also enters a clerk for his office on Rupees 30, which I do not consider

necessary. The scale as submitted by him would cost Rupees 592, or Rupees 83 more than that now proposed, and which I consider adequate :—

		Rs.
Deputy Conservator's Office, 2nd Class		87
Forest Ranger's Office.		
2 Clerks at 15 Rupees	30	
2 Peons at 6 ,, ...	12	42
		129
Forest.		
1 Forest Ranger, 2nd Class	80	
Horse allowance	20	
1 Forest Ranger, 3rd Class	60	
Horse allowance	15	
2 Sub-Rangers at 30 Rupees	60	
2 Do. at 20 ,, ...	40	
5 Foresters at 8 ,, ...	40	
5 Do. at 7 ,, ...	35	
5 Do. at 6 ,, ...	30	380
Total ...		509

45. MALABAR.—*Paulghaut* (*Chenat Nair*, *&c.*)—In this the sanctioned amount or subordinate establishment is Rupees 150 per mensem, and that proposed will cost Rupees 125, being a decrease of Rupees 25; we consider the services of a 2nd Class Overseer unnecessary, and have entered a 3rd Class man instead. The Acting Head Assistant Collector and myself have personally conferred and drawn up the scale proposed, which has the Collector's approval. The establishment will stand as follows :—

Forest Ranger's Office.

	Rs.	
1 Clerk at Rupees 15...	15	
1 Peon at ,, 6...	6	
	—	21
Forest.		
1 Forest Ranger, 3rd Class, at Rupees 60	60	
Horse allowance of do.	15	
1 Forester at Rupees 7	7	
2 Do. at ,, 6	12	
2 Do. at ,, 5	10	
	—	104
Total...		125

46. MALABAR.—*Nilambur.*—The sanctioned scale costs Rupees 355 and that proposed Rupees 268, being a decrease of Rupees 87 per mensem, owing to the proposed abolition of the Overseership, in lieu of which Sub-Rangers have been entered to superintend planting operations; a highly paid subordinate is considered unnecessary, as Mr. Ferguson prefers keeping all the details in his own hands, and has had a great many Overseers during the past ten years, none of whom gave him permanent satisfaction. Both Mr. McGregor and Mr. Logan agree with me on this point. One of the probationary Rangers will generally be employed at Nilambur, learning teak planting. The Kallai Depôt clerk being an old servant has been retained on the fixed establishment for the present to obviate his forfeiting his claim to pension. The establishment of office servants proposed includes the Peons required at the depôt, as it is considered advisable that they should be changed from time to time at the discretion of the Deputy Conservator betwixt Nilambur and the coast, especially when sick at the former place.

The revised establishment will stand as follows :—

		Rs.
Deputy Conservator's Office, 1st Class		125
Kallai Depôt Clerk		50
		175
Forest.		
1 Sub-Ranger at Rupees 30	30	
1 Do. at ,, 20	20	
1 Head Forester at ,, 10	10	
1 Do. at ,, 8	8	
1 Do. at ,, 7	7	
3 Do. at ,, 6	18	93
Total...		268

Gang Maistries or Head Coolies will of course be employed as required for planting operations and charged under Working charges, the Foresters entered above being employed in guarding and protecting the indigenous forests and planted area, including the river banks.

47. MALABAR.—*Wynaad.*—The existing establishment costs Rupees 212 per mensem, and that proposed Rupees 323, being an increase of Rupees 111 per mensem, or Rupees 1,332 per annum. As this is one of our 1st Class forests, containing teak and other superior timbers, a 3rd Class Forest Ranger is necessary to superintend working operations under the Acting Conservator, whose time has hitherto been too much taken up with details, such as marking and calculating cubical contents of logs to the detriment of his legitimate duties, and real forest conservancy. It is proposed to restrict operations for the present to meeting the indents of the Department Public Works, but there will be ample work for the Forest Officer and establishment in preparing working plans, laying out a system of forest roads, and conserving and improving the teak tracts.

The proposed scale is as follows:—

Deputy Conservator's Office, 2nd Class, (Special.)

	Rs.		
1 Head Clerk	50		Special rates for Wynaad—*Vide* paragraph of General Report.
1 2nd do.	25		
1 Peon...	9		
2 Peons at 8 Rupees	16		
	—	100	

Forest Ranger's Office.

1 Clerk	15	
1 Peon...	7	
	—	22

Forest.

1 Forest Ranger, 3rd Class	60	
Horse allowance	15	
1 Sub-Ranger	30	
1 Do.	20	
2 Foresters at 9 Rupees	18	
2 Do. at 8 ,, ...	16	
2 Do. at 7 ,, ...	14	
	—	201
Total...		323

The Head Clerk in the Deputy Conservator's office formerly drew Rupees 60, as per sanctioned scale, which was reduced to Rupees 40, owing to presumed complicity in Turnbull's frauds. I have entered his pay at Rupees 50, which I consider ample so far as the work which he has to perform is concerned, but I think that he, in common with all the establishments, including the Deputy Conservator, should be granted the usual Wynaad allowances drawn by the employés of all other departments owing to the supposed unhealthiness of the locality. The new establishments proposed for general duty are as follow:—

	Rs.	
2 Sub-Assistant Conservators at Rupees 200	400	
2 Do. do. at ,, 150	300	
6 Probationary Forest Rangers at ,, 50	300	
	—	1,000
4 Clerks at Rupees 25	100	
8 Peons at ,, 7	56	156
Total ...		1,156

Tabular statements of existing and proposed establishments, &c., accompany the report in accordance with Government orders.

ENCLOSURES Nos. 1 and 2.—Statements.

ENCLOSURE No. 3.—Specimen of cloth to be used for uniforms of Forest Guards.

COMPLAINTS regarding the inadequacy of the Forest Subordinate Establishments having become frequent the Board requested the Inspector of Forests to submit, in communication with the Collectors, a scheme for a general revision of the establishments. The letter above recorded is the reply.

2. The Inspector, after fully explaining the necessity for a complete revision, proposes an establishment costing Rupees 9,549 per mensem.

3. The existing establishments cost Rupees 7,557 per mensem, and besides these, temporary establishments costing about Rupees 16,000 per annum, are entertained and debited to "Working Charges."

4. The proposed establishments will not altogether obviate the necessity of employing temporary establishments, but it may be fairly assumed that about two-thirds of the cost now incurred under temporary establishments will be saved when the proposed permanent establishments are introduced.

	Rs.
Present establishment	7,557
Two-thirds of the cost of temporary establishment	889
	8,446
Proposed establishment	9,549
Difference ...	1,103

5. Thus, the net increase of cost involved in the proposed revision is Rupees 1,103 per mensem, or Rupees 13,236 per annum. To this has to be added the batta which the Inspector proposes to allow to the Forest Rangers and Sub-Rangers when they actually travel—a charge which is not now incurred. This sum may be roughly estimated at Rupees 10,260.*

	Per annum. Rs.
* 5 First-class Forest Rangers, at Rupee 1 a-day for, say, 20 days in each month	1,200
22 Second and Third-class Rangers, at Annas 12 a-day	3,960
24 Foresters, at Annas 8 a-day...	2,880
25 do. at ,, 4 ,, ...	1,500
6 Probationary Rangers at ,, 8 ,, ...	720
Total ...	10,260

6. The following is the abstract of the proposals of the Inspector of Forests:—

Designation.	No.	Pay per mensem including fixed allowances. Rs. A. P.
PRESENT.		
Overseers	35	3,055 0 0
Sub-Overseers	9	345 0 0
Duffadars, peons, &c. ...	323	2,291 0 0
Maistries and gardeners...	29	269 0 0
Office establishments exclusive of peons	44	930 0 0
Central Office in the Board.	13	536 0 0
Office of the Inspector of Forests	4	131 0 0
Total ...	457	7,557 0 0

Designation.	No.	Pay per mensem including fixed allowances. Rs. A. P.
PROPOSED.		
Forest Rangers	27	2,400 0 0
Sub-Rangers	49	1,260 0 0
Foresters	293	1,997 0 0
Peons	77	560 0 0
.....	...	.....
Office establishments exclusive of peons ...	69	1,485 0 0
Central Office establishment	16	691 0 0
Sub-Assistant Conservators	4	700 0 0
Establishment of Sub-Assistant Conservators ...	12	156 0 0
Probationary Rangers ...	6	300 0 0
Total ...	553	9,549 0 0

7. The Board are satisfied that the proposed establishments are not at all excessive. The area of forest with which Government at present deal is felt to be more extensive than even the establishment as now proposed can adequately conserve, but the Inspector hopes that the area may be gradually contracted as demarcation of State forests proceeds, so as to admit of more perfect and profitable conservancy. The Board, therefore, strongly support Captain Walker's propositions, which have been drawn out with great care and knowledge, and the details of which are fully given in his report. The only points on which the Board would modify his proposals are the organization of the Central Office and the pay of Foresters or "Forest Guards" as the Board propose they should be termed.

8. As regards the Central Office, the Board consider that unless the Inspector's view that he should be the Board's representative for forest matters meets with the approval of Government—a view which the Board have not supported—the establishments of the Inspector and those of the Board should be distinct. They would provide for a well-paid Assistant, who should, if possible, be a man with practical knowledge of forest management. They would propose the establishments as follow:—

PRESENT SCALE.				PROPOSED SCALE.							
				By the Inspector of Forests.				By the Board of Revenue.			
No.	Designation.	Amount.		No.	Designation.	Amount.		No.	Designation.	Amount.	
	Board's Establishment.	Rs. A. P.			*Account Branch.*	Rs. A. P.			*Board's Establishment.*	Rs. A. P.	
1	Assistant	300 0 0		1	Assistant	250 0 0		1	Assistant	300 0 0	
2	Accountants, at 50 Rs. each	100 0 0		1	Head Accountant...	75 0 0		1	Head Accountant ...	75 0 0	
				1	Second do. ...	50 0 0		1	Second do. ...	60 0 0	
1	Compiler	40 0 0		1	Record-keeper ...	45 0 0		1	Compiler	45 0 0	
1	Clerk	25 0 0		1	Copyist	20 0 0		1	Copyist	30 0 0	
1	Record-keeper ...	20 0 0						2	Copyists, at 25 Rs. each	50 0 0	
2	Clerks, at 10 Rs. each	20 0 0						2	Peons, at 7 Rs. each.	14 0 0	
4	Peons, at 7 Rs. each	28 0 0									
1	Sweeper	3 0 0									
	Total ...	536 0 0			Total ...	440 0 0			Total ...	574 0 0	
	Office of the Inspector of Forests.				*Correspondence Branch.*				*Inspector's Office.*		
1	Head Clerk	75 0 0		1	Head Clerk	100 0 0		1	Head Clerk	100 0 0	
1	Draughtsman ...	40 0 0		1	Registrar	40 0 0		1	Clerk	30 0 0	
2	Peons, at 8 Rs. each	16 0 0		1	Clerk	30 0 0		1	Do.	20 0 0	
				1	Do.	20 0 0		1	Duffadar	12 0 0	
				1	Moochy	12 0 0		1	Moochy	12 0 0	
				1	Duffadar	12 0 0		2	Peons, at 8 Rs. each.	16 0 0	
				2	Peons, at 8 Rs. each	16 0 0		2	Do. at 7 ,, ,,	14 0 0	
				3	Peons, at 7 Rs. each	21 0 0					
17	Total ...	131 0 0		16	Total ...	251 0 0		18	Total ...	204 0 0	
	Grand Total ...	667 0 0		...	Grand Total ...	691 0 0		...	Grand Total ...	778 0 0	

9. The Inspector recommends that the present Assistant should have a personal allowance with which his pay would be raised by biennial increments of Rupees 50 to Rupees 400, but the Board do not think this necessary even if it were allowable and according to precedent.

10. As for the pay of Foresters (Forest Guards), the Board would have none on less pay than Rupees 7, Rupees 6 being too small for a man of whom such duties as those of a Forest Guard are required.

	Rs.
Present scale	7,557½ 12
	90,690
Add two-thirds of temporary establishment which would be saved hereafter	10,668
	1,01,358
Proposed Scale— Cost of permanent establishment.	9,781 12
	(a) 1,17,372
Batta as per paragraph 5	10,260
	1,27,632

* Rupees 26,274

(a) Note.—The Board have not taken into account the personal allowance proposed to a Clerk in paragraph 40 of the Inspector's letter, as it could be paid from savings if he cannot be provided with another appointment.

11. These proposals bring the annual cost on account of Subordinate Establishments to Rupees 1,17,372, or Rupees 1,27,632 including batta, and with the aid of these establishments the Inspector thinks that the forest revenues will be considerably improved. He hopes that the receipts in 1876-77 will be Rupees 6,00,000 against the estimated receipts of Rupees 5,00,000 in 1875-76. Although the Board are not as sanguine as Captain Walker, yet they have no doubt that the extra expenditure* will be far more than recouped by increased revenue due to improved supervision.

12. With reference to the nomenclature of the appointments, the Board approve of the Inspector's suggestions with the exception that for "Sub-Rangers" they would adopt the designation "Foresters," and they would call Forest Guards those whom the Inspector has named Foresters.

13. The Inspector dwells at length on the question of patronage and thinks that the Forest Rangers should be appointed by him, the Sub-Rangers' appointments being locally filled up. On this point the Board are of opinion that Rangers and Sub-Rangers or Foresters should be brought on a graded list, and that promotion should be made on the plan suggested in paragraph 4 of G.O., dated 26th February 1875, No. 313.

14. A tabular statement in the prescribed form accompanies.

15. The Board agree with the Inspector that the Forest Guards should be supplied with coats of a uniform color to be worn when on duty, and with good cumblies, but they do not think that the better-paid servants, such as Rangers and

Foresters, need be supplied with clothing at the Government expense. The cost which has to be met from contingencies is not likely to be great.

(A true Copy and Extract.)

(Signed) H. E. STOKES,
Acting Secretary.

(True Copy.)

(Signed) J. T. MAYNE,
First Assistant.

To the Acting Secretary to Government, Revenue Department,

with copy of Board's Proceedings, dated 7th March 1874, No. 511,

and a statement and specimen cloth.

,, the Inspector of Forests, with statement.

Copy to all Collectors in charge of Forests, with statement.

Ead. W. H. French.
,, J. W. Fischer.

1875.

Board of Revenue
MADRAS.

Received

JULY.

Forest No. 129.

Forest Subordinate Establishment.
Scheme proposed by Inspector of Forests for
General revision of —, submitted to Government
with remarks.

PROCEEDINGS, 3rd JULY 1875, No.

PRESENT SCALE.							PROPOSED SCALE.							
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	Number of Overseers from the 1st to 3rd Class.							*Number of Rangers from the 1st to 3rd Class.*					
		Rs.	Rs.	Rs.	Rs.	Rs.			Rs.	Rs.	Rs.	Rs.	Rs.
1	1st-class Overseer ...	100	60	160			5	1st-class Rangers ...	100	25	625		
6	1st-class Overseers ...	100	30	780			5	2nd-class Rangers ...	80	20	500		
1	1st-class Overseer ...	100	...	100			17	3rd-class Rangers ...	60	15	1,275	...	2,400
2	2nd-class Overseers ...	80	30	220									
1	2nd-class Overseer ...	80	15	95									
2	2nd-class Overseers ...	80	...	[illegible]									
14	3rd-class Overseers ...	60	15	1,050									
2	3rd-class Overseers ...	60	...	120	...	2,685							
	GANJAM.							GANJAM.					
	Gumsur and Suradah.							*Gumsur and Suradah.*					
								Forest Establishment.					
1	Writer	20	...	20			1	Forest Guard	8	...	8		
1	Duffadar	8	...	8			7	Do.	7	...	49	57	57
9	Peons	6	...	54	82								
	VIZAGAPATAM.							VIZAGAPATAM.					
	Golcondah.							*Golcondah.*					
1	Sub-Overseer	30	10	40			1	Forester	30	...	30		
4	Peons	6	...	24	64		1	Head Forest Guard ...	10	...	10		
							4	Forest Guards	7	...	28	68	68

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	GODAVERY.	RS.	RS.	RS.	RS.	RS.		GODAVERY.	RS.	RS.	RS.	RS.	RS.
	Badrachellam and Rakapilly.							*Badrachellam and Rakapilly.*					
1	Jungle Darogah ...	50	...	50			1	Forester	50	...	50		
1	Mohireer	15	...	15			1	Clerk	15	...	15		
4	Chuprassees	7	...	28	93		4	Forest Guards	7	...	28	93	93
	CUDDAPAH.							CUDDAPAH.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
3	Duffadars	15	...	45			1	2nd Clerk	20	...	20		
2	Head Gardeners ...	10	...	20			1	3rd Clerk (Vernacular)	15	...	15		
6	Under Gardeners ...	6	...	36			1	Peon	8	...	8		
1	Peon	7	...	7			2	Peons	7	...	14	87	
19	Peons	6	...	114	247			*Forest Ranger's Office.*					
							2	Clerks	15	...	30		
							2	Peons	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do.	20	...	40		
							2	Forest Guards	8	...	40		
							5	Do.	7	...	175	315	444
	BELLARY.							BELLARY.					
	Gooty Plantations.							*Gooty Plantations.*					
1	Maistry	10	...	10				Nil.					
3	Under Gardeners ...	6	...	18	28								
	KURNOOL.							KURNOOL.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
1	Head Gumasta ...	25	...	25			1	2nd Clerk	20	...	20		
1	Assistant do. ...	12	...	12			1	3rd Clerk (Vernacular)	15	...	15		
3	Duffadars	15	...	45			1	Peon	8	...	8		
28	Peons...	6	...	168	275		2	Peons	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks	15	...	30		
							2	Peons	6	...	12	42	
								Forest Establishment.					
							1	Forester	30	...	30		
							2	Do.	20	...	40		
							5	Head Forest Guards...	8	...	40		
							25	Forest Guards	7	...	175	285	414
	NORTH ARCOT.							NORTH ARCOT.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
1	Gumasta	12	...	12			1	2nd Clerk	20	...	20		
1	Duffadar	20	...	20			1	3rd Clerk (Vernacular)	15	...	15		
1	Do.	15	...	15			1	Peon	8	...	8		
2	Pygusts	8	...	16			2	Peons	7	...	14	87	
17	Peons...	6	...	102				*Forest Ranger's Office.*					
10	Gardeners	8	...	80			2	Clerks	15	...	30		
							2	Peons...	6	...	12	42	

Present Scale.							Proposed Scale.							
Number.	Designation.	Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	North Arcot.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.		North Arcot.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.
	Guriattum Forests.							*Forest Establishment.*					
1	Duffadar	9	...	9									
3	Peons...	6	...	18	297		2	Foresters	30	...	60		
							2	Do.	20	...	40		
							4	Head Forest Guards...	8	...	32		
							23	Forest Guards	7	...	161	293	422
	South Arcot.							South Arcot.					
								Office Establishment, 2nd Class.					
1	Sub-Overseer	30	10	40									
2	Gumastas	12	...	24									
1	Do.	10	...	10									
1	Duffadar	9	...	9									
1	Peon	7	...	7									
3	Peons...	6	...	18									
4	Do.	5	...	20	128								
							1	Head Clerk	30	...	30		
							1	2nd Clerk	20	...	20		
							1	3rd Clerk (Vernacular)	15	...	15		
							1	Peon	8	...	8		
							2	Peons...	7	...	14	87	
								Forest Ranger's Office.					
							1	Clerk...	15	...	15		
							1	Peon	6	...	6	21	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	20	...	20		
							5	Head Forest Guards...	8	...	40		
							15	Forest Guards	7	...	105	195	303
	Trichinopoly.							Trichinopoly.					
2	Gumastas	12	...	24									
1	Maistry	20	...	20				*Office Establishment, 2nd Class.*					
1	Do.	10	...	10	54								
							1	Head Clerk	30	...	30		
							1	2nd Clerk (Vernacular)	15	...	15		
							1	Peon	8	...	8		
							1	Do.	7	...	7	60	
								Forest Ranger's Office.					
							1	Clerk...	15	...	15		
							1	Peon	6	...	6	21	
								Forest Establishment.					
							1	Forester	20	...	20	20	101
	Madura.							Madura.					
1	Writer	30	10	40				*Office Establishment, 2nd Class.*					
3	Duffadars	15	...	45									
15	Peons...	6	...	90									
	Lower Pulneys.						1	Head Clerk	30	...	30		
1	Sub-Overseer	40	10	50			1	2nd Clerk	20	...	20		
1	Duffadar	10	...	10			1	3rd Clerk (Vernacular).	15	...	15		
4	Peons...	8	...	32	267		1	Peon	8	...	8		
							2	Peons	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks...	15	...	30		
							2	Peons...	6	...	12	42	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	30	10	40		

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
		Rs.	Rs.	Rs.	Rs.	Rs.		Madura.—(*Contd.*)	Rs.	Rs.	Rs.	Rs.	Rs.
								Forest Establishment.—(Continued.)					
							3	Foresters	20	...	60		
							5	Head Forest Guards ..	8	...	40		
							20	Forest Guards	7	...	140	310	439
	Tinnevelly.							Tinnevelly.					
1	Writer	30	...	28				*Office Establishment, 2nd Class.*					
	Papanasum.						1	Head Clerk	30	...	30		
							1	2nd Clerk	20	...	20		
5	Maistries	15	...	75			1	3rd Clerk(Vernacular).	15	...	15		
29	Peons...	6	...	174	279		1	Peon	8	...	8		
							2	Do.	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks	15	...	30		
							2	Peons	9	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							3	Do.	20	...	60		
							5	Head Forest Guards...	8	...	40		
							20	Forest Guards	7	...	140	300	429
	Anamallai or South Coimbatore.							Anamallai or South Coimbatore.					
								Office Establishment, 1st Class.					
1	Writer	30	...	30			1	Head Clerk	45	...	45		
1	Assistant Writer ...	20	...	20			1	2nd Clerk	25	...	25		
2	Gumastas	10	...	20			1	3rd Clerk (Vernacular)	15	...	15		
1	Overseer	50	15	65			1	Duffadar	10	...	10		
1	Sub-Overseer	35	10	45			2	Peons	8	...	16		
1	Fouzdar	25	...	25			2	Do.	7	...	14	125	
13	Peons...	6	...	78				*Forest Ranger's Office.*					
1	Cawder	3	...	3	286		2	Clerks	15	...	30		
							2	Peons	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do.	20	...	40		
							5	Head Forest Guards.	8	...	40		
							15	Forest Guards	7	...	135	245	412
	North Coimbatore.							North Coimbatore.					
	Mettoopolliem, Bolumputty, Collegal, Bhowany, and Sattiamangalam.							*Mettoopolliem, Bolumputty, Collegal, Bhowany, and Sattiamangalam.*					
	Mettoopolliem.							*Office Establishment, 1st Class.*					
1	Sub-Overseer	30	...	30			1	Head Clerk	45	...	45		
1	Duffadar	15	...	15			1	2nd Clerk	25	...	25		
3	Peons...	8	...	24	69		1	3rd Clerk (Vernacular)	15	...	15		
	Bolumputty and Sholacurray.						1	Duffadar	10	...	10		
							2	Peons	8	...	16		
1	Assistant Overseer ...	50	...	50			2	Do.	7	...	14	125	
5	Peons...	6	...	30	80								

Present Scale.							Proposed Scale.							
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	North Coimbatore.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.		North Coimbatore.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.
	Collegal.							*Forest Ranger's Office.*					
1	Sub-Overseer	30	...	30			1	Clerks	15	...	60		
1	Duffadar	15	...	15			4	Peons...	7	...	28	88	
3	Peons	7	...	21				*Forest Establishment.*					
1	Peon	6	...	6	72		2	Foresters	30	...	60		
	Bhowany.						1	Do.	20	...	20		
1	Gumasta	20	8	28			5	Head Forest Guards...	8	...	40		
1	Duffadar	15	...	15			15	Forest Guards	7	...	105	225	438
3	Peons...	7	...	21									
1	Do.	6	...	6	70								
	Sattiamangalum.												
1	Overseer	50	15	65									
1	Sub-Overseer	30	...	30									
1	Writer	16	...	16									
1	Duffadar	15	...	15									
4	Peons	7	...	28	154								
	Nilgiris.							Nilgiris.					
	Mudumallai and Seegur.							*Office Establishment, 1st Class.*					
1	Accountant	70	...	70			1	Head Clerk	60	...	60	...	
1	Deputy Accountant ...	30	...	30			1	2nd Clerk	25	...	25	...	
1	Timberyard Writer ...	14	...	14			1	3rd Clerk(Vernacular).	15	...	15	...	
1	4th-class Overseer ...	50	10	60									
1	Gumasta	15	...	15			1	Duffadar	10	...	10		
1	Superintendent of Coorumbers.	15	...	15			3	Peons	8	...	24	134	
1	Do. of Buffaloes ...	7	...	7				*Forest Ranger's Office.*					
1	Do. of Elephants...	8	...	8			2	Clerks	15	...	30		
1	Do. of Sawyers ...	8	...	8			2	Peons	7	...	14	44	
1	Duffadar	15	...	15				*Forest Establishment.*					
2	Peons...	9	...	18			1	Forester	30	...	30		
4	Do.	7	...	28	288		1	Do.	30	10	40		
	Seegur.						1	Do.	20	...	20		
1	Superintendent of Carts.	24	...	24			4	Head Forest Guards...	10	...	40		
1	Peon	9	...	9			7	Forest guards	9	...	63		
1	Do.	7	...	7	40		2	Do.	8	...	16	209	387
	Nilgiri Sholahs.												
1	Sub-Overseer	50	30	80									
1	Gumastah...	28	...	28									
10	Peons...	10	...	100	208								
	Salem.							Salem.					
1	Head Clerk	30	...	30				*Office Establishments, 1st Class.*					
1	2nd Clerk	18	...	18			1	Head Clerk	45	...	45		
1	3rd Clerk	12	...	12			1	2nd Clerk	25	...	25		
3	Gumastas	10	...	30			1	3rd Clerk (Vernacular.)	15	...	15		
1	Sub-Overseer	40	10	50			1	Duffadar	10	...	10		
1	Head Duffadar... ...	10	...	10			2	Peons...	8	...	16		
5	Duffadars	9	...	45			2	Do.	7	...	14	125	
6	Peons...	7	...	42				*Forest Ranger's Office.*					
12	Do.	6	...	72			3	Clerks...	15	...	45		
12	Do.	5	...	60			3	Peons...	7	...	21	66	
8	Watchers	3	...	24	393								

Present Scale.							Proposed Scale.						
Number.	Designation.	Monthly pay to each.	Fixed Travelling Allowance.	Total.	Total of each Range.	Grand Total.	Number.	Designation.	Monthly pay to each.	Horse allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
		Rs.	Rs.	Rs.	Rs.	Rs.		Salem.—(*Continued.*)	Rs.	Rs.	Rs.	Rs.	Rs.
								Forest Establishment.					
							2	Foresters	30	...	60		
							3	Do.	20	...	60		
							5	Head Forest Guards...	8	...	40		
							25	Forest Guards	7	...	175	335	526
	South Canara.							South Canara.					
								Office Establishment, 2nd Class.					
1	Writer	25	...	25			1	Head Clerk	30	...	30		
4	Gumastas	10	...	40			1	2nd Clerk	20	...	20		
3	Duffadars	10½	...	31½			1	3rd Clerk (Vernacular)	15	...	15		
18	Peons...	6	...	108	204½		1	Peon	8	...	8		
							2	Do.	7	...	14	87	
								Forest Ranger's Office.					
							2	Clerks...	15	...	30		
							2	Peons...	6	...	12	42	
								Forest Establishment.					
							2	Foresters	30	...	60		
							2	Do.	20	...	40		
							5	Head Forest Guards...	8	...	40		
							10	Forest Guards	7	...	70	210	339
	Palghaut.							Palghaut.					
								Forest Ranger's Office.					
1	Gumasta	10	...	10			1	Clerk...	15	...	15		
5	Peons...	6	...	30	40		1	Peon	6	...	6	21	
								Forest Establishment.					
							5	Forest Guards	7	...	35	35	56
	Wynaad.							Wynaad.					
								Office Establishment, 2nd Class (Special).					
1	Writer	60	...	60			1	Head Clerk...	50	...	50		
1	Gumasta	20	...	20			1	2nd Clerk	25	...	25		
1	Assistant Gumasta ...	20	...	20			1	Peon	9	...	9		
1	Duffadar	12	...	12			2	Do.	8	...	16	100	
10	Sub-Overseers	30	...	30				*Forest Ranger's Office.*					
10	Peons...	7	...	70	212		1	Clerk	15	...	15		
							1	Peon	7	...	7	22	
								Forest Establishment.					
							1	Forester	30	...	30		
							1	Do.	20	...	20		
							2	Head Forest Guards...	9	...	18		
							2	Forest Guards	8	...	16		
							6	Do.	7	...	42	126	248
	Nelamboor.							Nelamboor.					
								Office Establishment, 1st Class.					
1	Writer	40	...	40			1	Head Clerk	45	...	45		
1	Head Gumasta	12	...	12			1	2nd Clerk	25	...	25		
1	Assistant do.	10	...	10									

Present Scale.							Proposed Scale.							
Number.	Designation.	Monthly Pay to each.	Fixed Travelling Allowance.	Total.	Total of each Head.	Grand Total.	Number.	Designation.	Monthly Pay to each.	Horse Allowance or Special Allowance.	Total.	Total of each Head.	Total of each Range and Grand Total.
	NELAMBOOR.—(*Contd.*)	RS.	RS.	RS.	RS.	RS.		NELAMBOOR.—(*Contd.*)	RS.	RS.	RS.	RS.	RS.
	Calicut Timber Depôt Establishment.							*Office Establishment.*—(Continued)					
1	Writer	60	...	60			1	3rd Clerk (Vernacular.)	15	...	15		
3	Peons...	6	...	18			1	Duffadar	10	...	10		
1	Head Duffadar	20	...	20			2	Peons...	8	...	16		
1	2nd Duffadar	12	...	12			2	Do.	7	...	14	125	
1	3rd Duffadar	10	...	10				*Calicut Depôt.*					
1	4th Duffadar	9	...	9			1	Clerk...	50	...	50	50	
6	Peons...	7	...	42				*Forest Establishment.*					
7	Do.	6	...	42	275		1	Forester	30	...	30		
							1	Do.	20	...	20		
							1	Head Forest Guard ...	10	...	10		
							1	Forest Guard	8	...	8		
							4	Do.	7	...	28	96	271
	OFFICE OF THE INSPECTOR OF FORESTS.							OFFICE OF THE INSPECTOR OF FORESTS.					
1	Head Clerk	75	...	75			1	Head Clerk...	100	...	100		
1	Draughtsman	40	...	40			1	Clerk	30	...	30		
2	Peons...	8	...	16	131		1	Do.	20	...	20		
							1	Moochee	12	...	12		
							1	Duffadar	12	...	12		
							2	Peons...	8	...	16		
							2	Do.	7	...	14	204	204
	FOREST ESTABLISHMENT UNDER THE BOARD OF REVENUE.							FOREST ESTABLISHMENT UNDER THE BOARD OF REVENUE.					
1	Assistant	300	...	300			1	Assistant	300	...	300		
2	Accountants	50	...	100			1	Head Accountant ...	75	...	75		
1	Compiler	40	...	40			1	2nd Accountant... ...	60	...	60		
1	Clerk...	25	...	25			1	Compiler	45	...	45		
1	Record-keeper	20	...	20			1	Copyist	30	...	30		
2	Clerks...	10	...	20			2	Do.	25	...	50		
4	Peons...	7	...	28			2	Peons...	7	...	14	574	574
1	Sweeper	3	...	3	536								
								NEW FOREST ESTABLISHMENT.					
							2	Sub-Assistant Conservators of Forests.	200	...	400		
							2	Do. do.	150	...	300		
							6	Probationary Forest Rangers.	50	...	300	1,000	
							4	Clerks...	25	...	100		
							8	Peons	7	...	56	156	1,156
457	Total...	...	...	...	...	7,55[illegible]½	555	Total...	...	...	...	...	9,781

FOREST No. 20.

PROCEEDINGS OF THE BOARD OF REVENUE, dated 7th March 1874, No. 511.

Read the following letters from the Collectors in charge of Forests, proposing alterations in their Forest Establishments:—

From	Collector	of Ganjam,	dated	18th August	1873, No. 1,868.
,,	,,	of Vizagapatam,	,,	14th April	,, ,, 564.
,,	,,	of Cuddapah,	,,	12th July	,, ,, 111.
,,	Ag. ,,	of ,,	,,	26th September	,, ,, 172.
,,	Collector	of Bellary,	,,	3rd April	,, ,, 97.
,,	Ag. ,,	of Kurnool,	,,	22nd July	,, ,, 216.
,,	,, ,,	of South Arcot,	,,	9th May	,, ,, 143.
,,	,, ,,	of Trichinopoly,	,,	31st ,,	,, ,, 103.
,,	Collector	of Madura,	,,	15th July	,, ,, 219.
,,	,,	of Tinnevelly,	,,	29th ,,	,, ,, 397.
,,	,,	of Coimbatore,	,,	12th May	,, ,, 85.
,,	,,	of ,,	,,	10th October	,, ,, 229.
,,	Commissioner	of the Nilgiris,	,,	4th August	,, ,, 66,

and 13th August 1873, No. 10, recorded in Board's Proceedings, dated 8th September 1873, Mis. No. 183-5,747.

,,	Collector	of Salem,	dated	2nd September	1873, No. 252.
,,	,,	of South Canara,	,,	23rd July	,, ,, 1,178.
,,	,,	of ,,	,,	17th January	1874, ,, 87.
,,	,,	of Malabar,	,,	29th March	1873, ,, 79.
,,	,,	of ,,	,,	24th June	,, ,, 161.
,,	Inspector	of Forests,	,,	24th March	,, ,, 1,742.

ED that the foregoing letters be forwarded to the
with a request that he will favour the Board with his opinion with
o the several changes proposed by the Collectors.

2. A statement showing the receipts and working charges of each forest for the last five years accompanies.

(A true Extract.)

(Signed) J. GROSE,
Secretary.

(True Copy.)

(Signed) J. T. MAYNE,
First Assistant.

To the Inspector of Forests, with original replies of Collectors,
with their Enclosures, to be returned, one Board's Proceedings,
dated 8th September 1873, Mis. No. 183-5,747, and one Statement.

Copy to all Collectors in charge of Forests.

Exd. F. R. Bantleman.

REVENUE DEPARTMENT.

No. 2736 of 1873

From [illegible] Dated [illegible] 187[illegible]

FOR ORDERS.

[illegible]

187

Board of Revenue,

MADRAS.

PROCEEDINGS, 7TH MARCH 1874, No. 511.

Encl.

Rev 685/74

Received Rev 1/2736

MARCH.

Forest No. 20.

Forest Establishments.—Letters from Collectors proposing alterations in —, forwarded to Inspector of Forests for his opinion, together with a statement showing receipts and working charges of each forest for last five years.

by Conductor

with a statement showing receipts and
charges of each forest for last five years.

adopt the Honorarium
of Forest Rangers (in lieu of Pay and
Forester allowances.)
and Forest Guards (— of half pay
Forest Guards)

I am a little doubtful
as to the expediency
of grading Forests
on a General Act
I am not sure that
the Govt contemplate
this in L.D. 2.0. R.6.75
I observe that
Forest purposes

Certificate-Moorabad
Paper - Mr.

Owned sanctions
temporarily
Mr Mr
2577

but I am not certain
that his views of the
Bd are not identical
on this point.
I think Capt Walker
is entitled to the thanks
of Govt for his useful
& practical suggestions
hints & proposals.
The Govt to relate I cannot
be called upon to say
how decided steps
for the protection of the
Forests. but I think
I would refer to Relate
Suggestions to Govt
& the Inspector Forests
as to temporary
arrangements as proposed

No 1259 Rev Dept

21 August 75

Proceedings of the Madras Government
Under date the 4th August 1875.
Read the following Res.
of the Board of Revenue.

Submg, with remarks, scheme proposed by Insp. of Forests for a General revision of Forest Establishments &c &c } H. E. 3d July 1875 No 1844

H. E. the Governor in Council considers that the necessity of enlarging & systematically reorganizing the entire subordinate Forest establishment is fully demonstrated.

The scheme now proposed meets with the warm approval of the Govt & will be at once forwarded for the sanction of the Government of India.

H. E.

FOR ORDERS.

Head of the department. Rangers only I think need be brought in a graded list at present but the plan should be extended as the Service becomes more settled.

I am satisfied that the whole Inner Service should have uniforms clothing &c supplied & them as in the Police. The cost is small and the arrangement prevents false economy on the part of men who are exposed to exceptional risk and whose pittances most seriously cripples the public service.

Capt. C. Walkers paper is excellent & worthy of reception by Government.

29/7

in this Rev. of 9th July. Refer to the G.I. letter. L.B. Ochterlony 22.7.75.

I would accept Capt. C. Walkers proposals with the modification of the Board of Revenue respecting the organization of the Range & Inspectors' Offices and the designation & pay of Forest Guards (the Garde Champêtre of France) & substitution of "Forester" for "Ranger".

I agree with the Inspector as to the patronage & promotion of the Service. The Board of Revenue do not can know nothing about the qualifications & claims of men and the arrangement proposed by the Inspector is due to the working & responsible Head

with a statement showing receipts and working charges of each forest for last five years.

L. Ochterlony

His Excellency has no doubt that the result will be to marked an improvement in the conservation of the Forests that the slight increase of expenditure will prove true economy.

2.

The arrangements of the Central Office cannot be definitely determined upon until the relative position of the Board & the Inspector is settled, & this portion of the scheme will be separately disposed of.

3.

The Government approve of the nomenclature as adopted by the Board of Treasure in para. 12 of their proceedings on introduction of a graded list is sanctioned but for the present Rangers only should be brought on to it - & their selection & promotion will rest with the Inspector.

4.

In the matter of clothing the Government are of opinion that it is desirable that the whole of the subordinate establishment should be supplied with uniforms &c. on the system in force in the Police. The Board will be good enough to consider the matter, & report on the probable expence after arranging the details in communication with the Inspector.

5.

His Excellency

desires that Captain
Walters will accept
the thanks of the
Government for the
thorough & practical
manner in which
he has received what
was required and
submitted his

prd Polals:

1 Dupld Copy to the Ord. Dep. Ord. Off.
14 Dupld Copys Ord. Dep. Ord. Offs
3 To the Offs Inspecting Ordnance
6 The Accountant General's

5 0

Confirmation of Treaty with Sioux

Rec'd 7 Augt 35 Rd 14 Augt 35.