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Government of  
Bengal.

1911

MUNICIPAL  
DEPT.

**SANITATION.**

MARCH.

File S.  $\frac{C}{2}$

Nos. 1-3.

**Provincial Malaria Committee.**

बिहार सरकार  
मंत्रिमंडल सचिवालय विभाग  
(बिहार राज्य अभिलेखागार निदेशालय)

**LIST OF PAPERS.**

**PAGE.**

- 1-2. From the Secretary, Provincial Malaria Committee, No. 1 M.C., dated the 6th February 1911, forwarding for information the proceedings of the first meeting of the Provincial Malaria Committee held on the 9th January 1911, and asking for certain sanctions in connection with the working of the Committee. 1-4
- 3. To the Secretary, Provincial Malaria Committee, No. 774, dated the 17th March 1911, sanctioning the proposals. 4-5
- Endorsements Nos. 775-76, of the same date, to the Accountant-General, Bengal, and Inspector-General of Civil Hospitals, Bengal. 5

2

PROVINCIAL MALARIA COMMITTEE.

[Nos. 1-2.]

[FILE S.  $\frac{C}{2}$  1.]

No. 1 M.C., dated Calcutta, the 6th February 1911.

From—MAJOR W. W. CLEMESHA, M.D., D.P.H., I.M.S., Secretary, Provincial Malaria Committee,

To—The Secretary to the Government of Bengal, Municipal Department.

I AM directed to state for the information of Government that the first meeting of the Provincial Malaria Committee was held on the 9th ultimo. Amongst other important matters the staff that the Deputy Sanitary Commissioner would require in order to carry out his work expeditiously and efficiently was discussed. Government have already sanctioned the services of an Assistant Surgeon, and the officer has been appointed and is now working with Captain Fry.

2. It was considered by the members of the Committee that the following clerks, servants, etc., were necessary for furthering the work of the Malaria Research Department :—

	Rs.
1 Sub-Assistant Surgeon	50
(Bacteriological allowance)	50
2 Clerks { 1 Personal	50
1 Statistical	40
3 Peons { One	9
Two	8 each,
1 Chaukidar	8 } At head-
1 Sweeper	8 } quarters.

3. The appointment of a Sub-Assistant Surgeon is necessary since it is essential to have some one intelligent enough to carry out such work as collection of mosquitoes, staining of slides, observations of captured larvæ and mosquitoes, etc., under the orders of Captain Fry, and thereby enable that officer to devote his time to other and more important work. At present Captain Fry is engaged on what has been termed "a preliminary survey of Bengal," and while this is going on, there will be no necessity for the appointment of the Sub-Assistant Surgeon and the statistical clerk above named; but in the near future a detailed survey will be commenced and the work of scrutinising the statistics will commence. Consequently, both the officers asked for will be required. I am, therefore, desired to request that these appointments (namely, that of Sub-Assistant Surgeon and statistical clerk) be sanctioned from such date as they are required by Captain Fry.

4. Captain Fry joined his appointment early in December 1910 and proceeded at once on the preliminary investigation of malaria in Bengal. In anticipation of sanction, 1 chaprasi and 1 personal clerk (included in the list above) on Rs. 8 and Rs. 50 per mensem, respectively, were appointed in order to assist him in his work during the present malarial season. I am, therefore, desired to ask that sanction may be given for the pay of these two appointments with retrospective effect from the 9th and 12th of December 1910, respectively.

5. I am also to ask that Government will be pleased to sanction an annual contingent grant of Rs. 1,000 for the ordinary expenses of Captain Fry's laboratory with effect from 1st December 1910. As the work has been carried on from December, I also request that Rs. 1,500 be granted for travelling expenses of Captain Fry and his Assistant Surgeon for the current financial year. The budget allotment for the Sanitary Department is unable to provide for this extra expenditure. A considerable amount of simple apparatus will be required from time to time, such as slides, boxes, etc.

6. I am also to request that Government will give a special grant of Rs. 2,500 for the following articles —

	Rs.
For a Bacteriological microscope ... ..	900
For dissecting microscope, breeding cages and necessary equipment for the laboratory ... ..	700
For camp equipage, furniture and fittings (in the shape of gas) to the laboratory ... ..	900

These will be all necessary for the work on which Captain Fry is engaged.

7. A copy of the proceedings of the meeting is forwarded for reference.

## PROCEEDINGS OF THE FIRST MEETING OF PROVINCIAL MALARIAL CONFERENCE.

*January 9th, 1911.*

PRESENT :

The Hon'ble Mr. F. A. Slacke, c.s.i. (*President*).  
 The Hon'ble Mr. T. Butler.  
 The Hon'ble Mr. A. S. Thomson,  
 Major L. Rogers, M.D., I.M.S.,  
 Captain A. B. Fry, M.D., I.M.S.,  
 Dr. Nil Ratan Sarkar,  
 Dr. Upendra Nath Brahmachari,  
 and  
 Major W. W. Clemesha, M.D., D.P.H., I.M.S., Sanitary Commissioner, Bengal,  
 (*Secretary*).

### 1. President's Address :—

GENLEMEN,

I have much pleasure in welcoming you to this the first meeting of the newly established Bengal Provincial Conference which has just been founded by His Honour. We all know the magnitude of the evil we have to combat, and I am confident that in course of time we shall, aided by the expert officers whom Government may place at our disposal materially improve the state of those districts in this Province, the inhabitants of which are a prey to the ravages of malarial fever. I use the words "in course of time" advisedly, firstly, because the action which we would like to take, must be founded on the results of the researches carried out by these expert officers, and, secondly, because the carrying out of that action will mainly depend on the genuine co-operation of the public—co-operation which can only be obtained by educating the public to realise the need for the action we commend.

2. The following short account of how this Provincial Conference came into existence and what has so far been done will, I think, be of some interest to the members.

As a result of several experiments in anti-malarial measures made in India, particularly at Mian Mir and the discussion which arose out of these, a large and representative conference was convened in October 1909 in Simla in order to discuss the subject of malaria in various parts of India and to formulate certain recommendations as to the best method of continuing a systematic study of the subject. At this conference many important papers were read, but the one by Colonel Leslie, pointing out the necessity for an organised research in various parts of India, is among the most important. As an outcome of this Conference, the Government of India have sanctioned the forming of a Central Malarial Committee in Simla with a museum and a laboratory for research work in Kasauli. Further, they approached all Provincial Governments asking them to appoint a provincial organisation to study malaria in the various Provinces and to make recommendations as regards local anti-malarial measures, reporting the results of enquiries to the Central Committee in Simla. The Government of Bengal in their letter No. 268, dated 12th May 1910, accepted the suggestions of the Government of India and formed a Committee making the existing Sanitary Board the nucleus of the organisation. To this were added the Professor of Pathology, Major Rogers, and two Indian Medical Practitioners. The Government of Bengal also applied to the Government of India for a suitable officer to carry out the research work, suggesting that this officer in order to bring him into line with other officers in the Province, be given the position and status of a Deputy Sanitary Commissioner, Malarial Research. This officer is to carry out research work in the whole of the Province and unlike, other Deputy Sanitary Commissioners, he is not to be given a "circle." Captain A. B. Fry, I.M.S., was appointed to this post in Government of India order No. 1598, dated the 29th August 1910. He proceeded to Amritsar where he underwent an exhaustive course of training under Captain Christophers in the Punjab. Every branch of malarial research work was studied by him including all the recent work on mosquitoes and also new methods of correlating statistics. Captain Fry

joined his appointment in Bengal early in December. At this date final orders concerning the appointment of the Provincial Malarial Committee had not been published. As December is a month when malarial fever is extremely rife in certain parts in Bengal, it was decided that Captain Fry should proceed on a preliminary enquiry in order to become familiar with the conditions obtaining in this Province, and in order that available opportunity of studying malaria should not be lost. He has already visited Berhampore and Jessore. It is also proposed that a short preliminary investigation be made in Buxar in Bihar and Cuttack in Orissa, as those parts of the Province present different features from those of Lower Bengal, before he begins a more elaborate survey of any district.

3. At present the malaria research staff consists of Captain Fry, i.m.s., and one Assistant Surgeon. The following staff was suggested and discussed as necessary in addition to the appointment of an Assistant Surgeon which Government had already sanctioned, for the proper carrying on of the work:—

		Rs.
1	Sub-Assistant Surgeon	50
	(Bacteriological allowance)	50
2	Clerks ... { 1 Personal	50
	{ 1 Statistical	40
3	Peons ... { One	9
	{ Two	8 each.
1	Chowkidar	8
1	Sweeper	8

} At head-quarters.

The necessity for the appointment of a Sub-Assistant Surgeon is that it was desirable to have at least one subordinate sufficiently intelligent to carry on the research. Captain Fry also pointed out that a Sub-Assistant Surgeon would be necessary to look after larger collections of living and dead mosquitoes, larvæ, etc., and to assist him in staining slides.

It was resolved that Government be asked to sanction the above list; but that the statistical clerk and the Sub-Assistant Surgeon be appointed from such date as Captain Fry may find necessary, as their services are not required immediately.

4. The subject of the contingent grant was also discussed. It was pointed out by Major Clemesha that a very large amount of comparatively cheap apparatus was necessary from time to time and that a thousand rupees would be adequate.

Resolved that Government would also be asked to sanction this amount.

5. The subject of the location of head-quarters for the Deputy Sanitary Commissioner, Malaria Research, was then discussed.

The President pointed out that the amount of accommodation was considerable, viz., three large rooms and some godowns, but the cost of those in Calcutta would be about Rs. 500 a month which was prohibitive. The alternative was either Darjeeling, Ranchi or Barrackpore. Darjeeling was not likely to meet with the approval of Government and the expense of the requisite accommodation there would be considerable. As regards Ranchi it was understood to be the fact that the necessary accommodation was not available there at present and building would be necessary. The President also pointed out the arduous nature of the work and desirability of a certain amount of rest in a cold climate being allowed to the officer. Captain Fry pointed out that it was impossible to do mosquito work under an electric fan, and Calcutta did not possess a suitable climate for doing certain classes of microscopical work. The difficulty in keeping blood films in Lower Bengal was also alluded to.

Major Rogers pointed out that it was very trying to examine either mosquitoes or blood films in the Calcutta climate.

Dr. Sarkar and Dr. Brahmachari both wished that the head-quarters should be located near Calcutta.

The Committee resolved that the subject be brought up again for future discussion, the practice in other provinces as to the location of the head-quarters of Malarial Research officers meanwhile being inquired into.

6. The Committee without any discussion resolved that Government be asked to sanction the following sums for necessary equipment:—

Rupees 900 for one Bacteriological microscope.

Rupees 1,000 for dissecting microscope and other apparatus, etc.

Rupees 600 for camp equipage, furniture, etc.

7. The programme of work to be carried out was discussed.

Appendix II from the Paludism had been circulated to all members. This is a list of questions published by the Central Malarial Committee to which answers are asked in so far as possible.

In the preliminary remarks of the President it was pointed out that Captain Fry was already engaged upon a preliminary survey in different parts of Bengal. He has already visited Murshidabad and Jessore and proposes to visit certain places in Orissa and Bihar.

The President pointed out that in the questions in the above extract a very large percentage might be called office questions or questions which could be answered by a study

of statistics. The remainder were largely field work. The research as a whole divided itself into three main stages :—

- (1) a preliminary survey ;
- (2) a detailed survey ;
- (3) recommendations arising out of the informations collected.

The President inquired when the first stage of it would be complete.

Captain Fry said that his preliminary report would be ready by September of this year.

On the grounds of the enormous scope of the enquiry to be undertaken and the vast area to be covered, the desirability of confining attention to the worst parts of the Province *only* was put forward by the President, but Major Rogers pointed out that it was necessary to study malaria in the least malarious parts of the province, because, although malaria was not very prevalent, remedial measures might be successful in those places and might be desirable at an early date.

The Committee finally resolved that the preliminary inquiry (stage 1) as mentioned above should be continued and the report submitted in September next.

8. The President pointed out the desirability of associating with the work, subject to the approval and consent of the Inspector-General of Civil Hospitals and Government, the whole of the medical staff in Bengal, viz., Civil Surgeons, Assistant Surgeons, and Sub-Assistant Surgeons in charge of the District Board dispensaries in the various districts. He also pointed out that particularly as regards sections 5 and 6 of the extract from Paludism given above they might be extremely useful.

Major Rogers said that he did not consider that they possessed the necessary qualifications to distinguish the various species of anopheles, that all that could be expected of them was to collect specimens and send them to the Central Depot.

Captain Fry also pointed out that the work was beyond most of this class of men unless they were specially trained.

The Committee resolved that the Inspector-General of Civil Hospitals should be consulted unofficially as to the practicability of requesting all Civil Surgeons, Assistant Surgeons and Sub-Assistant Surgeons to give all assistance possible to the Deputy Sanitary Commissioner and as to whether he had any objection to these officers undertaking such portions of the malaria enquiry as could reasonably be expected to be carried out by them.

9. Dr. Sarkar proposed that endeavour should be made to associate not only Government Assistant Surgeons but local medical practitioners with the enquiry, and that endeavour should be made to interest them in the subject of malarial research work.

The Committee resolved that the Deputy Sanitary Commissioner should in all cases obtain all informations locally available both from Government medical men and from general practitioners as a whole, and that he should associate the general practitioners in the neighbourhood with him in his enquiry in so far as it would be found possible.

10. Dr. Brahmachari suggested that Captain Fry might be requested to try a few anti-malarial experiments in some of the places he was going to visit in his preliminary survey.

It was resolved that such experiments could not be undertaken in the preliminary survey.

11. Dr. Sarkar also inquired whether it would be possible for any private practitioner in the mofussil to obtain the necessary teaching in the Province in order to undertake malarial research work.

Major Rogers replied that at present it was impossible for them to be taught.

Major Clemesha added that if any of them were willing to undergo such a course of training, they might apply to attend the course of training at Amritsar.

The Committee finally considered that the subject was not sufficiently far advanced at present and that it was partially covered by the preceding remark, that any practitioner who wished to acquire this training could see Captain Fry who would be glad of his assistance and would give him much useful instruction during the carrying out of the investigation.

12. Major Clemesha stated that at the next meeting the subject of popularising quinine in the province and the best methods for securing this would be brought up, and proposed to submit papers for the consideration of the members before the next meeting.

It was resolved that these papers should be circulated if possible before the 25th of March next and the next meeting should be held early in April, the exact date to be notified hereafter.

[No. 3.]

[FILE S.  $\frac{C}{2}$  2.]

No. 774 San., dated Calcutta, the 17th March 1911.

From—E. L. TANNER, Esq., I.C.S., Under-Secretary to the Government of Bengal,  
Municipal Department,

To—The Secretary, Provincial Malaria Committee, Bengal.

WITH reference to your letter No. 1M.—C., dated the 6th February 1911, I am directed to convey the sanction of Government to the appointment of

a personal clerk on a salary of Rs. 50 a month and a peon on Rs. 8 per mensem, with effect from the 12th and 9th December 1910 respectively, to assist the Special Deputy Sanitary Commissioner employed on malarial research in Bengal.

2. For furthering the work of the Research Department Government also sanctions the following proposals, recommended in your letter under reply :—

(a) The employment with effect from the date of actual engagement of the establishment noted on the margin,

	Per mensem. Rs.
1 Sub-Assistant Surgeon on grade pay <i>plus</i> an allowance of ...	50
1 Statistical clerk on ...	40
1 Peon on ...	9
1 Do. ...	8
1 Chankidar on ...	8
1 Sweeper on ...	8

(b) A contingent grant of Rs. 1,000 a year commencing from December 1910 for the ordinary expenses of the Special Deputy Sanitary Commissioner's laboratory,

(c) A special grant of Rs. 2,500 for equipment of the laboratory; and

(d) An additional grant of Rs. 1,500 under the sub-head "Travelling allowance" subordinate to the head "Sanitation and Vaccination" to meet the travelling expenses of the Special Deputy Sanitary Commissioner and of the Assistant Surgeon under him for the year 1910-11.

3. I am to request that you will be so good as to purchase the necessary equipment required for Major Fry's laboratory during the current year.

4. The Accountant-General, Bengal, has been informed.

No. 775 San.

Copy forwarded to the Accountant-General, Bengal, for information. The charges for the current year will be met from the available balance of the lump provision for "the improvement of pay of Civil Assistant Surgeons," and those for next year will be met partly from the provisions made for the purpose under the head "Sanitation and Vaccination" in the Medical Budget, and partly from the lump provision for "Anti-malarial measures" under the same major head.

No. 776 San.

Copy forwarded to the Inspector-General of Civil Hospitals, Bengal, for information, with the request that he will be so good as to arrange for the deputation of a Sub-Assistant Surgeon when asked for by the Sanitary Commissioner, Bengal.

By order of the Lieutenant-Governor in Council,

E. L. TANNER,

*Under-Secretary to the Govt. of Bengal.*

CALCUTTA,  
The 17th March 1911.

7  
MUNICIPAL DEPARTMENT.

SANITATION.

FILE S.  $\frac{C}{2}$

K.-W.—A PROCEEDINGS FOR MARCH 1911, Nos. 1-3.

*Provincial Malaria Committee.*

[Nos. 1-2.] From the Secretary, Provincial Malaria Committee, No. 1 M.C., dated the 6th February 1911.

SUBMITS for information a copy of the proceedings of the first meeting of the Provincial Malarial Conference held on the 9th January last. The proceedings and the letter forwarding it may be read. It will be seen that the Committee resolved to ask for the sanction of Government to the following :—

(a) Employment of the undermentioned establishment for furthering the work of the Malaria Research Department—

	Rs.
1 Sub-Assistant Surgeon, pay	... 50 per mensem.
Allowance ... ..	... 50 „
1 Personal clerk, pay	... 50 „
1 Statistical „ „	... 40 „
1 Peon, pay	... 9 „
2 Peons, „ „	... 8 each „
1 Chowkidar, pay	... 8 per mensem.
1 Sweeper, „	... 8 „
Total	... 231

(b) Annual contingent grant of Rs 1,000 for the ordinary expenses of the Special Deputy Sanitary Commissioner's laboratory from December 1910, and

(c) Special grant of Rs. 2,500 for necessary equipment.

In addition to the above the Sanitary Commissioner, who is the Secretary of the Committee, requests that Rs. 1,500 may be granted for travelling expenses of Captain Fry and of the Assistant Surgeon under him for the current year.

The Provincial Malaria Committee was appointed under Government Resolution No. 2048 San., dated the 19th December 1910, and the appointment of an Assistant Surgeon as assistant to the Special Deputy Sanitary Commissioner was sanctioned by the Secretary of State for India in his despatch No. 86 Revenue, dated the 30th September 1910, on grade pay plus a local allowance of Rs. 100 a month.

With regard to the proposal at (a) above it is said that as the Sub-Assistant Surgeon and the statistical clerk are not required for the present, Captain Fry being now engaged on a preliminary survey of Bengal, these posts may be sanctioned from such date as they are required, but that the posts of the personal clerk and a peon on Rs. 8, who have been employed with effect from the 12th and 9th December 1910, respectively, may be sanctioned with retrospective effect. It may be mentioned that the budget allotment of Rs. 1,152 for this purpose for the next year will not be sufficient, and as it would not be possible to raise the budget estimate at this moment the extra charge may be met either by re-appropriation of savings or by additional grant later in the year.

As for the allowance of Rs. 50 proposed for the Sub-Assistant Surgeon it may be said that the Secretary of State in his despatch No. 76-Revenue, dated the 17th May 1907, sanctioned a scale of allowance for the Civil Assistant Surgeons under which the last grade officer is entitled to an allowance of Rs. 100 a month so there is no objection to grant an

The pay of the last grade of Sub-Assistant Surgeons is Rs. 80 and to grant an allowance of Rs. 50 to a man of this class is not proportionate.

C. C. G.—18-2-1911.

allowance of Rs. 50 to a Sub-Assistant Surgeon on the senior grade (Rs. 100 or Rs. 80.) The other two peons and the chaukidar as well as the sweeper will probably not be required till the question of the head-quarters of the Special Deputy Sanitary Commissioner which is now under consideration of the Committee is settled.

The establishment proposed at (a) may, however, be sanctioned and retrospective effect may be given to the appointment of the personal clerk and a peon on Rs. 8.

The proposals at (b) and (c) may be sanctioned and the expenditure may be met from the provision under the head "Annual grant for taking anti-malarial measures." It will be seen that the details of the charges for the equipment shown in the proceedings do not tally with those shown in the letter forwarding it, but it need not be interfered with as the total amount which will be sanctioned by Government in both is the same; it is presumed that the Sanitary Commissioner has on reconsideration altered the figures.

The grant of Rs. 1,500 for the travelling allowance of Captain Fry and the Assistant Surgeon for the current year and the contingent grant (Rs. 350) at the rate of Rs. 1,000

a year from December 1910 to the end of the current year may be sanctioned. There is no provision for these charges, and it is stated in the letter that there are no savings in the allotment of the Sanitary Department for the current year. These as well as the charges for the pay of the personal clerk and the peon employed during the current year may be met from the available balance of the lump provision for the improvement of pay of Assistant Surgeons.

Through Financial.  
A. N. M.—16-2-1911.  
C. C. G.—18-2-1911.

There is no objection to the proposals on financial grounds. The charges in the current year may be met, as suggested in the above note, from the available balance of the lump provision for the improvement of pay of Assistant Surgeons. The charges during 1911-12 may be met partly from the provision (Rs. 1,152) for the establishment for the Special Deputy Sanitary Commissioner, and partly from the lump grant of Rs. 12,000 for anti-malarial measures.

P. N. R.—20-2 1911.

THE charges for 1910-11 may be met as proposed but for 1911-12 there are following provisions :—

Under salaries for officers ...	Rs.
" establishment ...	14,400
	1,152

Rs. 14,400 will be sufficient to meet the salary and allowances of the officers thus :—

Captain Fry, Rs. 700 + 200 per mensem ...	Rs.	10,800
Civil Assistant Surgeon, Rs. 100 + 100 ...		2,400
Sub-Assistant Surgeon ,, 50 + 50 ...		1,200
Total ...		14,400

Rupees 1,152 provided for establishment will probably provide for the requirements of next year, as the establishment proposed will not be fully required from the 1st March 1911. The provision of Rs. 55,000 made in the budget for travelling allowances will cover the travelling charges of the Special Officer and his Assistant, etc. Rupees 500 has been provided for the purchase of a tent and the charges for contingencies have been included in the grant of Rs. 12,000 for taking anti-malarial measures, so that there will be no difficulty for funds next year.

The necessary equipments may be purchased in the current year, the charge being met from the lump allotment for increase of pay of Civil Assistant Surgeons.

For orders.  
J. N. M.—20-2-1911.

ALL that we are required to sanction now is—

- Surely this should be one personal clerk on Rs. 50. See paragraph 4 of Sanitary Commissioner's letter  
H. WHEELER.
- (a) 1 Clerk (statistical) on ... 40  
1 Peon on ... 8  
from 12th and 9th December, respectively.
- (b) An annual contingent grant of Rs. 1,000. This is wanted from 1st December 1910, so the amount this year will be Rs. 333-5-4.
- (c) An initial grant of Rs. 2,500 for furniture, etc.
- (d) An additional grant of Rs. 1,500 to the provision for travelling allowance in the Sanitary Department this year.

These may be sanctioned, the grants being met, as proposed, from the allotment for the increase of pay of Assistant Surgeons. Next year the budget provision is ample. We are also asked to sanction the remaining establishment required from such date as Captain Fry engages it.

We may approve of the employment of this establishment and say that orders sanctioning it will issue when the men have been employed.

E. L. TANNER—25-2-1911.

SEE query above —

2. The only posts which Major Clemesha does not ask for immediately are those of the Sub-Assistant Surgeon and statistical clerk. Presumably, therefore, he wants sanction now, in addition to the staff mentioned by Under Secretary, to —

1 Peon on ...	Rs.	9
1 Peon on ...		8
1 Chaukidar on ...		8
1 Sweeper on ...		8

Please verify by reference to Major Clemesha unofficially exactly what he does want and why. Who are the peons to work under? I suppose the chaukidar and sweeper are wanted for the office, but I gather from the proceedings of the Committee that it has not yet been settled where these will be, so there can be no need of them at present.

3. A bacteriological allowance of Rs. 50 to a man whose pay is Rs. 50 is excessively high. How has it been calculated, and are there any precedents?

4. I imagine the Committee wants a Sub-Assistant Surgeon, irrespective of grade, and not necessarily one on Rs. 50, but Major Clemesha will be able to explain. Send him the papers.

H. WHEELER—2-3-1911.

THE statistical clerk, Sub-Assistant Surgeon, two peons (one on Rs. 9 and one on Rs. 8), chaukidar and sweeper may be sanctioned from such time as their services are necessary.

They will not be required till the question of head-quarters of the Deputy Sanitary Commissioner is settled.

The peons will be required to work in the office (when it is established) and in the laboratory, which must be started sooner or later to hatch out mosquitoes from larvæ, etc.

2. The idea in suggesting Rs. 50 as pay for Sub-Assistant Surgeon was to be able to get a senior man, that is to say, either a 2nd or 3rd grade man; in the former case the amount should have been Rs. 55, the latter Rs. 45 according to the revised scale of pay. I should think myself a 3rd grade man on Rs. 45 would be sufficient and best.

The allowance of Rs. 50 was made on the same scale, as that of the Assistant Surgeon whose grade pay is Rs. 100 and allowance the same sum. The two Assistant Surgeons who collected statistics in drainage areas were paid at this rate also.

W. W. CLEMESHA—3-3-1911.

THESE are the proposals of the Malaria Committee for certain subordinate establishments. They may be sanctioned with consent of Finance Department, although the orders may refer to a Sub-Assistant Surgeon, irrespective of grade, in order to give greater elasticity.

2. I was doubtful whether a bacteriological allowance of Rs. 50 was not high, but we want a skilled man and might give it.

H. WHEELER—9-3-1911.

As proposed.

विहार सरकार F. A. S[LACKE]—10-3-1911.

FOR CONCURRENCE.

मंत्रिमंडल सचिवालय H. WHEELER—11-3-1911.

I CONCUR.

(विहार राज्य अधिशासक विभाग) F. W. D[UKE]—11-3-1911.

[No. 3.] Government order No. 774-76, dated the 17th March 1911, to the Secretary, Provincial Malaria Committee, and endorsement to the Accountant-General, Bengal, and Inspector-General of Civil Hospitals.

REFERENCE TO FORMER CASES.

FILE S.  $\frac{C}{1}$  , A PROCEEDINGS FOR DECEMBER 1910, Nos. 1-10.

FILE S.  $\frac{C}{1}$  , A PROCEEDINGS FOR NOVEMBER 1910, Nos. 15-28.

विह. REFERENCE TO LATER CASES.

मंत्रिमंडल सचिवालय विभाग  
(बिहार राज्य अभिलेखागार निदेशालय)

KEEP-WITH.

Office notes (printed).