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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

Public Works

DEPARTMENT

G.O. No.	2314 & 2315	Press.
B.P. No.		Mis.
Dated 29.8.1987.		197

Not to be folded or roughly handled

* டி. சா. வ. த. பா. டி.
* செப்பனிடும்புகாக எடுத்த
* கொள்ளப்பட்ட
* இதை மாதம் 1983 வருடம்
* செப்பனிடும் முடிந்த
* இதை மாதம் 1983 வருடம்
* கிராமச்சி உபவியாளரின்
* கையொப்பம்.
16/7/83

29TH AUGUST 1887, No. 2314 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Civil Works.
Irrigation.

Read again—

Proceedings of the Madras Government, Public Works Department, dated 13th August 1887, No. 498 I.

Read—the following letter from Major A. G. BRIGGIE, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 1st August 1887, No. 68 A.I. :—

In continuation of my letter, No. 83 A.I., dated 19th November last, I am directed to inform you that the Government of India has been pleased to allot a sum of Rs. 1,50,000 under "48. Irrigation—Capital Expenditure not charged against Revenue" for outlay in the current year on acquiring land and commencing work on the Periyár project. The grant now given is below the amount that was requested in your letter, No. 690 I., dated 14th October 1886, but it is possible the Government

* 48. Irrigation.
Capital Expenditure not charged against
Revenue.

	Budget grant.	Actuals.
	RS.	RS.
1884-85	19,84,000	16,10,444
1885-86	18,20,000	14,94,677
1886-87 (approximate).	15,00,000	9,90,556

of Madras may be able to supplement the allotment by re-appropriation from the grants for existing works. Judging from the actual * transactions of the past three years, the grant as now increased should be amply sufficient for all requirements.

2. I am to add that the Government of India will, if possible, allot Rs. 6,00,000 for the work for 1888-89, and in framing the forecast of probable expenditure during the next five years on Productive Public Works, called for in another letter, that amount should be provided for the Periyár project.

Order—dated 13th August 1887, No. 498 I., Public Works.

Communicated to the Superintending Engineer, VI Circle, who will suggest as soon as possible the arrangements necessary for the commencement of the Periyár project.

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

READ also—

No. 88 C.

Note on proposed programme of work in connection with the Periyár Project for the season 1887-88.

In the printed statement, printed with G.O., No. 354 I., of 8th June 1887, the expenditure on works during the first year is entered at Rs. 4,00,000; this was intended to include Rs. 2,40,000 as the cost of the machinery to be ordered from England and Rs. 1,60,000 for local expenditure, made up roughly as follows:—

	RS.
Construction of road and foot-paths	40,000
Buildings and lines	1,00,000
Preliminary expenditure	20,000

2. This estimate was based on the supposition that sanction to begin work would be notified before the beginning of the official year so that arrangements for the organisation both of labour and establishment could be made at leisure during April, May and June, and work commenced vigorously as soon as the state of the climate admitted.

3. This of course cannot be done this year, as it will be practically impossible to begin work before the beginning of September, and it is possible that not much can be done till a month later.

4. The sanction to begin work was quite unexpected, and for the first month or two the supply of labour will be small, though our former experience shows that, as the news of the commencement of operations spreads, labourers will come in until we have as many as we want.

5. Taking all the circumstances into consideration, I do not think we can reckon with certainty on being able to spend usefully a larger sum than Rs. 30,000* during the present season, and this sum I would propose to distribute as follows:—

	RS.
On road and foot-paths	25,000
On lines and buildings	20,000
On preliminary expenditure	5,000

6. It is quite possible that more can be spent, as the labour will probably come in freely during December, January and February, but it will be better to begin gradually than to attempt to do too much at first and possibly to waste time and money by working with an imperfect organisation.

7. Practically the effect of beginning in this manner in the middle of a season instead of at the beginning will be to throw everything back half a season, and the work will occupy five full seasons and two halves and be completed (assuming that we follow the programme laid down in my original report, and adopted in the forecast printed with G.O., No. 354 I. of 8th June 1887) by October of the seventh season (October 1893) instead of occupying six full seasons and being completed in February of the sixth season.

8. It happens that the working season is divided into two parts very similar in character, each beginning with a very rainy month (July and November) and followed by three months of increasing dryness. Practically therefore all the statements and estimates of progress contained in my original report may hold good, the dates being simply shifted four months back.

9. With regard to the establishment required for the present season's work, it would seem desirable that the operations should be in charge of the officer who is to be selected for the permanent charge of the work on the hills; I understand that it is proposed to select Mr. H. S. Taylor for this duty, and this selection would be in accordance with my own wishes. Whoever the officer is, I would recommend that he should be directed to join as soon as possible and place himself under my orders.

10. In addition to the officer, two upper subordinates will be required, who should, if possible, be military men, and in any case Europeans.

11. The office establishment required would be—

Later on an additional clerk on Rs. 30 and a draftsman may probably be required, but they are not necessary at present.	One clerk on Rs. 40 for Executive Engineer. One clerk on Rs. 30 for Superintending Engineer. Two clerks on Rs. 25 for subordinates. Two peons on Rs. 10 for Executive Engineer. Four lascars on Rs. 9 for do. Two lascars on Rs. 9 for subordinates.
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A medical subordinate would also be required.

12. The Examiner of Public Works Accounts would be best able to judge whether the work should be considered as an independent division as regards accounts or as a sub-division of Madura; at first sight the latter appears the better course, but it must be remembered that Madura is already burdened with the accounts of the Vaigai bridge and of a Tank Maintenance party, both of which are, as regards executive work, independent charges, and if a third independent sub-division were added, it would probably be necessary to provide an additional accountant for that division. As, in any case, the Periyár works next year must form at least two independent divisions, it will probably be better to start one of them at once; in that case, besides the accountant an additional clerk on Rs. 30 will be required for accounts work.

13. It is hoped that both officers and subordinates will be granted the additional allowances specified in paragraph 245 of my report and detailed in statement No. III attached thereto.

14. I presume that Government desire me for the present to superintend these works in addition to the ordinary work of the circle; if so, I must ask to be allowed to delegate a certain amount of the routine work of my office to the Executive Engineer in charge of the head-quarter division (Trichinopoly). This work is very heavy, and, as during the next month or two I shall have to be a good deal out of doors at a place more than 180 miles from my head-quarters, the more of it I can get rid of the better. It is not necessary to specify precisely what work I should propose thus to delegate; the Government may be assured that it will be only what can be delegated without injury to the public service.

15. The above remarks have reference only to the work to be done locally during the current season, but the whole of the machinery should, if possible, be ordered so as to arrive in Madras not later than the end of July 1888, and, if this is to be paid for during this year, an additional grant of Rs. 2,40,000 will be required.

16. In connection with this subject I wish to draw particular attention to paragraph 246 of my report and to paragraph 11 of Colonel Hasted's note, No. 44 I., printed with G.O., No. 355 I., of 27th April 1883. It is of the utmost importance that the machinery should be selected and ordered after personal discussion with the manufacturers, and I have no hesitation in saying that, if it be ordered in the ordinary way by indent through the India Office, delays and misunderstandings will be likely to arise which may seriously affect the economical and efficient execution of the work.

17. I have been studying this subject for years, and can assert confidently that there are numerous points of detail, trivial in appearance but important in reality, which it would be almost impossible to specify in an indent, and that the cost of my deputation to England for a few months would be repaid over and over again by the superior efficiency of plant selected after personal consultation between the India Office officials, the makers, and myself, as compared with that selected by the former on written indents.

18. Four or five months would do all that was necessary, and it would be easy for me to start Mr. Taylor at work this year and return in time for the serious work of next season.

PULLANGUDI,
8th August 1887.

(Signed) J. PENNYCUICK, Lieut.-Col., R.E.,
Superintending Engineer, VI Circle.

No. 25 E.W.

Note by the Chief Engineer for Irrigation.

In forwarding the enclosed note by Colonel Pennycuik on the arrangements he considers advisable for the commencement of the Periyár project, for which the Government of India, in their letter, No. 68 A.L., dated 1st August 1887, have allotted Rs. 1,50,000, I request that an Executive Engineer and two selected European upper subordinates may be, as soon as practicable, appointed to the work and be ordered to join without delay.

2. With regard to office establishment, I consider it advisable that the Periyár project should be an independent division from the commencement of the work and not a sub-division of Madura. The Madura office has as much as it can well carry on, and it should not be burdened with the accounts of the Periyár project, and it will also be better for the Periyár work to start from the beginning as a separate division.

3. The office should be a third-class divisional office, consisting of—

	RS.
1 Accountant, 5th grade	57½
1 Clerk, 3rd class, 3rd grade	55
1 Do. 4th " 2nd "	35
2 Clerks, 4th " 3rd "	30
1 Draftsman, 2nd class	42½
1 Do. 3rd "	25
1 Messenger	7
1 Do.	6

Petty—

4 Lascars (each)	6
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For the two upper subordinates there should be two clerks on Rs. 20 each, and two lascars on the ordinary pay of Rs. 6 per month.

4. It is, I consider, necessary that a selected medical subordinate should be attached to the work, and he should join the party as soon as possible.

5. It is supposed that all officers, subordinates and office establishment, including lascars, &c., will be granted the additional allowances named in paragraph 245 of Colonel Pennycuik's report on the project when employed on the head works, these allowances to cease when they are in the plains. I request that early orders regarding these allowances may be passed, and also that Colonel Pennycuik may be authorised to entertain the office establishment asked for.

6. With regard to obtaining the machinery required for the work, I consider it absolutely necessary that an officer acquainted with the work to be done should proceed to England and order the greater portion of it after personal discussion with the manufacturers, and Colonel Pennycuik, who has for years studied the subject, should be deputed to go to England for a few months on this duty, and I request early orders sanctioning this arrangement.

7. Some of the machinery can be ordered at once in the ordinary manner by special indent on the Secretary of State. Colonel Pennycuik has been requested to submit an indent as soon as practicable for this, and it is proposed that, as soon as received, it be sent home, so that a portion of the grant allotted this official year for the work may be utilised in the purchase of this machinery; the special machinery to be selected by Colonel Pennycuik, in consultation with the India Office officials and manufacturers, will be purchased from the grant for the next official year.

8. With the establishment proposed, Colonel Pennycuik, it is thought, might continue in charge of the VI Circle for a few months, being relieved of this charge at the end of December or early in January, as there is much to be done in preliminary work, construction of roads, paths, &c., and in building lines for the coolies, &c.

9. Until the machinery is procured and shelter for the establishment and coolies is built, not much work can be done. Colonel Pennycuik should proceed home about the end of January, but before doing so will set the Executive Engineer and his

establishment at work and lay out what they are to do. He will be able to return by the end of June, when the first burst of the south-west monsoon is over, and be ready to superintend the work as soon as weather will permit, arranging for the carriage of the machinery, and it is hoped that most of it will be in place and ready for work in December, a portion of it perhaps in August.

10. The Government of India proposes to allot Rs. 1,50,000 for the work this official year, and the following distribution is proposed and approved of:—

Works—	RS.
Construction of road and foot-paths	25,000
Buildings and lines	20,000
Preliminary expenses	5,000
Establishment and tools and plant	12,650
Total	62,650

The remainder of the grant, Rs. 87,350, it is proposed to spend in the purchase of the ordinary machinery that can be procured by special indent on the Secretary of State.

CHEPÁK,
13th August 1887.

(Signed) H. R. MEAD, Colonel, R.E.,
Chief Engineer for Irrigation.

To the Chief Engineer, Public Works Department.

ORDER—dated 29th August 1887, No. 2314 W., Public Works.

In the foregoing papers, the Superintending Engineer, VI Circle, and the Chief Engineer for Irrigation submit proposals for commencing work on the Periyár project, for outlay on which the Government of India have allotted Rs. 1,50,000 during the current official year.

2. Mr. H. S. Taylor, Executive Engineer, and two military upper subordinates have already been posted to the work and directed to report themselves to Lieutenant-Colonel Pennycuik without delay.

3. The project will now be organised as a temporary third-class division, and the Superintending Engineer will proceed to appoint the office and petty establishment mentioned in paragraph 3 of the Chief Engineer's note. The Examiner, Public Works Accounts, will arrange for the requisite temporary accounts establishment.

4. The Surgeon-General will be requested, in the Public Department, to post a selected medical subordinate to the work.

5. The Government of India will be addressed with respect to granting the staff employed on the project the extra allowances detailed in paragraph 245 of Lieutenant-Colonel Pennycuik's report of 1882.

6. The Government fully concur in the remarks of the Superintending Engineer and the Chief Engineer for Irrigation as to the desirableness of Lieutenant-Colonel Pennycuik proceeding to England to select, in communication with the Store Department and the manufacturers, the more important part of the machinery required, and the Secretary of State will be requested to sanction his deputation in accordance with the rules laid down in section 17 of the Civil Leave Code.

7. An emergent indent on the Home Government, for such of the machinery as can be procured in the ordinary course, should be submitted without delay.

8. The arrangement proposed in paragraph 14 of the Superintending Engineer's note with respect to the routine work of his office is sanctioned.

9. The distribution of the current year's grant, proposed in paragraph 10 of the Chief Engineer's note, is approved.

(Here enter No. 2315 W., dated 29th August 1887).

(True Extract.)

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

To the Chief Engineer for Irrigation.
" Superintending Engineer, VI Circle.
" Examiner, Public Works Accounts.
" Public Department.
" Political Department.
" Revenue Department.

CIVIL WORKS.
IRRIGATION.

Govt. of Madras.
PUBLIC WORKS.

Dated August, 29th.

Recd.

Encl.

G.O., 29th Aug. 1887, No. 2314 W.

AUGUST.

Periyar Project

Orders on proposals of the Superintending Engineer, VI Circle, for commencing work on the —.

29TH AUGUST 1887, No. 2315 W., PUBLIC WORKS.

PUBLIC WORKS DEPARTMENT.

Civil Works.
Irrigation.

LETTER—from

COLONEL J. O. HASTED, R.E.,

Secretary to the Government of Madras,

Public Works Department,

To

THE SECRETARY TO THE GOVERNMENT OF INDIA,

PUBLIC WORKS DEPARTMENT.

SIR,

In acknowledging the receipt of your letter, No. 68 A.L., dated 1st August 1887, allotting a sum of Rs. 1,50,000 under "48. Irrigation—Capital Expenditure not charged against Revenue" for outlay in the current year on the Periyar project, I am directed to state that arrangements are being made for the immediate commencement of the work.

2. Meanwhile, I am directed to request the very early sanction of the Government of India to the grant to the staff employed on the work of the extra allowances detailed in paragraph 245 and statement III of Lieutenant-Colonel Pennycuik's report forwarded with this office endorsement, No. 356 L., dated 27th April 1883.

I have the honor to be,

Sir,

Your most obedient servant,

Colonel, R.E.,
Secretary to Government, P.W.D.

OOTACAMUND,
29th August 1887.

Exd. J. Moses.
Spare Copies

CIVIL WORKS.
IRRIGATION.

Govt. of (1887) Madras.

PUBLIC WORKS.

Dated August, 29th.

Recd.

Encl.

29th Aug. 1887, No. 2315 W.

AUGUST.

Periyar Project

Stating that arrangements are being made for the immediate commencement of the —, and requesting sanction to the grant of certain extra allowances to the staff employed on the work.

13th August 1887, No. 498 L., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following letter from Major A. G. BEGBIE, R.E., Officiating Deputy Secretary to the Government of India, Public Works Department (Account—Irrigation), to the Secretary to the Government of Madras, Public Works Department, dated Simla, 1st August 1887, No. 68 A.I. :—

In continuation of my letter, No. 83 A.I., dated 19th November last, I am directed to inform you that the Government of India has been pleased to allot a sum of Rs. 1,50,000 under "48. Irrigation—Capital Expenditure not charged against Revenue" for outlay in the current year on acquiring land and commencing work on the Periyar project. The grant now given is below the amount that was requested in your letter, No. 690 L., dated 14th October 1886, but it is possible the Government

* 48. Irrigation.
Capital Expenditure not charged against
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	Budget grant. RS.	Actuals. RS.
1884-85	19,84,000	16,10,444
1885-86	18,20,000	14,94,677
1886-87 (approximate).	15,05,000	9,90,556

of Madras may be able to supplement the allotment by re-appropriation from the grants for existing works. Judging from the actual * transactions of the past three years, the grant as now increased should be amply sufficient for all requirements.

2. I am to add that the Government of India will, if possible, allot Rs. 6,00,000 for the work for 1888-89, and in framing the forecast of probable expenditure during the next five years on Productive Public Works, called for in another letter, that amount should be provided for the Periyar project.

ORDER—dated 13th August 1887, No. 498 L., Public Works.

Communicated to the Superintending Engineer, VI Circle, who will suggest as soon as possible the arrangements necessary for the commencement of the Periyar project.

(True Extract.)

(Signed) H. R. MEAD, Colonel, R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, VI Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.
" Revenue Department.
" Political "

Encl. J. Moses.
Spare Copies

IRRIGATION.
ACCOUNT.

Govt. of Madras.
PUBLIC WORKS.

Dated August, 1887.

Recd.

Encl.

G.O., 13th Aug. 1887, No. 498 L.

AUGUST.

Periyar Project

Letter from the Government of India allotting a sum of Rs. 1,50,000 for outlay on the —, and remarking on further allotments for the same, communicated to the Superintending Engineer, VI Circle, with remarks.

Order to S.E. No. 882
8-8-87

Note on proposed programme of work in connection with the Periyar Project for the season 1887-88.

In the present statement printed with G.O. No. 354 I of 8th June 1887 the expenditure on works during the first year is entered at Rs. 4,00,000; this was intended to include Rs. 2,40,000 as the cost of the machinery to be ordered from England and Rs. 1,60,000 for local expenditure, made up roughly as follows,

Construction of road and footpaths — 40,000
Buildings & lines — 100,000
Preliminary expenditure — 20,000

2. This estimate was based on the supposition that sanction to begin work would be notified before the beginning of the official year so that arrangements for the organisation both of labour and establishment could be made at leisure during April, May and June, and work commenced vigorously as soon as the state of the climate admitted.

3. This of course cannot be done this year as it will be practically impossible to begin work before the beginning of September and it is possible that not much can be done till a month later.

4. The sanction to begin

work was quite unexpected and for the first month or two the supply of labour will be small though our former experience shows that as the needs of the commencement of operations spread labourers will come in until we have as many as we want.

5. Taking all the circumstances into consideration I do not think we can reckon with certainty on being able to spend usefully a larger sum than the 50,000 during the present season, and this sum I would propose to distribute as follows

Rs 25,000 on road and footpaths.

20,000 on lines and buildings.

5,000 on preliminary expenditure.

* exclusive of establishment charges.

6. It is quite possible that more can be spent as the labour will probably come in freely during December, January and February, but it will be better to begin gradually than to attempt to do too much at first and possibly to waste time and money by working with an imperfect organization.

7. Practically the effect of beginning in this manner in the middle of a season instead of at the beginning will be to throw everything back half a season, and the work will occupy five full seasons and two halves, and be completed (assuming that we follow the programme

laid down in my original report, and adopted in the forecast printed with S.S. No 354 I of 8 June 1887) by October of the seventh season (October 1893) instead of occupying six full seasons and being completed in February of the sixth season.

8. It happens that the working season is divided into two parts very similar in character, each beginning with a very rainy month (July and November) and followed by three months of increasing dryness. Practically therefore all the statements and estimates of progress contained in my original report may hold good,

the dates being simply shifted from months back.

7. With regard to the establishment required for the present season's work, it would seem desirable that the operations should be in charge of the officer who is to be selected for the permanent charge of the work on the hills; I understand that it is proposed to select Mr. H. S. Saylor for this duty and this selection would be in accordance with my own wishes. Whichever officer is I would recommend that he should be directed to join as soon as possible and place himself under my orders -

Wm

Later on an additional clerk on No 30, and a draftsman may probably be required, but they are not necessary at present.

10. In addition to the officer two upper subordinates will be required who should if possible be military men and in any case Europeans.

11. The office establishment required would be

1. Clerk on No 40 for Sec. Engineer
1. Clerk on No 30 for Sup. Engineer
- 2 - do - on No 25 for Subordinates
- 2 Peons on No 10 for Sec. Treas.
- 4 Lascars on No 9 - do -
- 2 - do - No 9 for Subordinates
- a medical subordinate would also be required.

12. The Director of P.W. Accounts would be best able to judge whether the work should be considered as an independent Division as regards accounts or as a subdivision of Madras; at first sight the latter appears the better course but it

must

much be remembered
that Madras is already
burdened with the accounts
of the Vignai Bridge and
of a Sanke Maintenance
party both of which are
in regard to executive work
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if a third independent
sub. Division were added
it would probably be
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This work is very heavy
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It is not necessary to
specify precisely what
work I should propose
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10. The above remarks
have reference only to the
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but the whole of the
machinery should if
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printed with G.O. No 358 I
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17. I have been studying this subject for years, and can assert confidently that there are numerous points of detail, trivial in appearance but important in reality which it would be almost impossible to specify in an incident, and that the cost of any deputation to England for a few months would be repaid over and over again by the superior efficiency of plant selected after personal consultation between the India office officials the makers and myself as compared with that selected by the former on written incidents.

Genl. Polingredi 3
8th August 1887

18. Four or five months would do all that was necessary and it would be easy for me to start Mr. Saylor at work this year and return in time for the serious work of next season.

Genl. Polingredi
Superintendent, Trade.

From

The Sup. Engineer
B'aire.

NO 882
8.8.87.

Note on proposed pro-
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with the Perai Project for
the season 1887-88.

14/8/87
J.H.
No 25 & w.

Note by the Chief Engineer for Irrigation

In forwarding the enclosed Note by Colonel Pennycuik on the arrangements he considers advisable for the commencement of the Perai Project, for which the Government of India in their letter No 68 A. I. of 1st August 87, have allotted Rs. 1,50,000. I request that an Executive Engineer and 2 selected European Upper Subordinates may be, as soon as practicable, appointed to the work and be ordered to join without delay.

2. With regard to Office Establishment I consider it advisable that the Perai Project should be an independent Division from the commencement of the work and not a subdivision of Madurai. The Madurai Office has as much as it can well carry on and it should not be burdened with the accounts of the Perai Project and it will also be better for the Perai work to start from the beginning as a separate Division.

3. The Office should be a 3rd Class Divisional Office consisting of

1	Accountant 5 th grade	57½
1	Plk. 3 rd class, 3 rd grade	55
1	" 4 th " 2 nd "	35

2 Clerks, 4 th class, 3 rd rank	50
1 Draftsman, 2 nd class	42½
1 do 3 rd "	25
1 Messenger	76
1 do	
Petty	
4 Lascars (Rank)	6

In the 2 Upper Subordinates, there should be 2 Clerks on Rs 20 each, and 2 Lascars on the ordinary pay of Rs 6 per month.

4. It is, I conceive, necessary that a selected medical subordinate should be attached to the work, and he should join the party as soon as possible.

5. It is supposed that all Officers, subordinates and Office Establishment including Lascars, will be granted the additional allowances named in para 245 of Colonel Pennycuik's report on the project when employed on the head works, these allowances to cease when they are in the plains. Request that early orders regarding these allowances may be passed and also that Colonel Pennycuik may be authorised to entertain the Office Establishment asked for.

6. With regard to obtaining the machinery required for the work, I conceive it absolutely necessary that an Officer acquainted with the work to be done should proceed to England and order the greater portion of it after personal discussion with the manufacturers

and Colonel Pennycuik who has for years studied the subject should be deputed to England for a few months on this duty and I request early orders sanctioning this arrangement.

7. Some of the machinery can be ordered at once in the ordinary manner by special indent on the Secretary of State. Colonel Pennycuik has been requested to submit an indent as soon as practicable for this and it is proposed that, as soon as received it be sent home so that a portion of the grant allotted this fiscal year for the work may be utilised in the purchase of this machinery; the special machinery to be selected by Colonel Pennycuik in consultation with the India Office Officials and Manufacturers will be purchased from the grant for the next fiscal year.

8. With the Establishment proposed Colonel Pennycuik, it is thought, might continue in charge of the W Circle for a few months, being relieved of this charge at the end of December or early in January as there is much to be done in Preliminary work, Construction of Roads, paths &c, and in building lines for the coolies &c.

9. Until the machinery is procured and shelter for the Establishment and



Works.	Construction of road	} 25000
	& abt. path	

Preliminary Press. 5700

The remainder of the grant, \$87,350, it is proposed to spend in the purchase of the ordinary machinery that can be procured by special indent on the Secretary of State.

To: Chief Engineer for Navigation
The Chief Engineer, P. & O.

civil works
irrigation

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read ^{again} the following

Letter from the Govt. of India No 1048 of 1st August 1887

Order thereon No 4983 dated 13th August 1887

Read also

Letter from the Super Engineer Circle No 880 of 8th August 1887

Note by the Chief Engineer for Irrigation No 252 of 13th August 1887

From

The Chief Engineer
for Irrigation

To

The Chief Engineer N.D.

No 252 N.

(Dated 13th August 1887)

Received

Subject

Perian project - Forward.

Col. Pennycook's note regarding
the arrangements necessary
for commencing the —

In the foregoing papers,
the S.E. Circle and the Chief
Engineer for Irrigation submit
proposals for commencing work
on the Perian Project, for which
on which the Government of India
have allotted Rs 150,000 during
the current financial year.

2 Mr H.S. Taylor, Recanther
Engineer, and two Military
Upper Subalterns have already
been posted to the work and
directed to report themselves
to Mr Col. Pennycook without

No 336 of 7th 4 83
" 367 of 26th Apr 10 86
" 690 of 14th 10 86
" 5068 of 19th 11 86
" 8623 of 19th 12 86
" 978 of 23rd 1886
" 8565 of 6th 87
" 498 of 13th 87
" 416 of 5th 87

delay.

3. The Project will now be organized as a temporary third class division, and the Sup^{ly} Engineer will proceed to appoint the office and petty establishment mentioned in para 3 of the Chief Engineer's note. The Quartermaster, Public Works Account, will arrange for the requisite temporary accounts establishment.

4. The Surgeon General will be requested, in the Public Department, to post a selected Medical Subordinate to the work.

5. The Govt. of India will be addressed with respect to granting the staff employed on the Project, the extra allowances detailed in para 245 of Lt Col. Pennycook's report of 1882.

6. The Government fully concur in the remarks of the Sup^{ly}

Sup^{ly} Engineer, and the Chief Engineer for Irrigation as to the desirableness of Lt Col. Pennycook proceeding to England to select, in communication with the same Dept^y and the Manufacturers, the more important part of the machinery required, and the Secretary of State will be requested to sanction this deputation in accordance with the rules laid down in Sec. 17 of the Civil Leave Code.

7. The urgent need for the machinery so can be procured in the ordinary course, should be submitted in terms of delay.

8. The arrangement proposed in para 14 of the Sup^{ly} Engineer's note with respect to the routine work of his office is sanctioned.

9. The distribution

current year's grant, proposed
in para 10 of the Chief Engineer's
note, is approved.

Staff W. of

Re Secy to the Govt of India
P.W.D.

Sir,

In acknowledging the
receipt of your letter P.W.D. No. 10
of 1st August 1887, allotting
a sum of Rs. 150,000 under
"Est. Irrigation - Capital
Expenditure not charged
against Revenue" for outlay
in the current year on the
Paniyar Project, I am directed
to state that arrangements
are being made for the
immediate commencement of
the work.

Meanwhile, I am
pleased to request the very
sanction of the Govt.
the grant to the

To the Chief Secy.
- S.S. Secy, Civil
- Secy to Govt.
- Public Works
- Political Secy.
- Rev. Secy.

Staff employed on the work, of
the extra allowances detailed
in para 245 and Statement
III of Lt Col. Perry's report
forwarded with this Office
and No. 356 of 27th April 1888.

The Right Honble
the Secy. of State for India

My Lord,

The Govt. of India having
allotted a sum of Rs. 150,000
for outlay on the Paniyar Project
during the current year, we
desire to make early
arrangements to procure
the complicated machinery
required for the work. On
this subject, we beg to invite
your Lordships' attention to
para 246 of Lt Col. Perry's
report on the project, the para
of the Note by our

Engineer for Irrigation, &c.
did I printed with our
Proceedings No 355 I, dated
27th April 1883, and to the
accounts on the subject by
Lt Col. Pennington and Col.
Meach in their notes printed
with our Proceedings No 2514
of 29 August 1887, and to state
that we fully concur with
all that has been said as
to the importance of departing
Lt Col. Pennington to
England for a few months
to aid in the selection of
the more important
machinery, we therefore
submit your Lordship's sanction
under the powers in Sec. 17 of
the (Civil Service) Act, to Lt Col.
Pennington's deputation to
England on duty for five
months from the end of
January next, and to request
that your Lordship will

may be communicated to
us by wire.

2. An emergent incident
will shortly be sent forward
for such of the machinery
as may be supplied in the
ordinary course by the Indian
Home Department.

Done
25/1/87
Disputed to Staff
with 3 S.C. report
by Col. Pennington
+ 90 1200/10 1550
27/1/87
disputed for Staff
Office 29/87
25/1/87

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Abstract

