

Paper taken out of the Records from the charge of the Referencer.

Press
Miscellaneous
Routine

No. 196, dated 17-1- 190 1888

ppH
14 Jan

The proposals of
the Supply Engineer are
sanctioned so far as the
writer is concerned. The
WOP services of the
13.1.50 persons cannot
be retained
for the purpose
indicated.

N^o 2314. SWA/29.8.87
" 2809 W A/20.10.87

From

The Supr Engineer
b: bircle

For
The Chief Engineer
P. W. D.

no 49-112

Dated 7: January 1888
12/11/1888

Requests permission
to retain the services
of the writer sanctioned
in G.O. No. 2809 W dated
20th October 1897 and of
the two peons applied
for in letter No. 445 PR
of 17th December 1887.

With order

SETH Anders

Erwa

Rec'd 18-1-88

Nov 13-1-88

Paper taken out of the Records from the charge of the Referencer.

Press
Miscellaneous
Routine

No. 196, dated 17-1-1901

Date taken out.	FOR WHAT PURPOSE.			Initials of clerk taking the paper or of attender.	Date returned.	Initials of attender.
	Department.	C. No.	Year.			
9-7-04	2809	04		C. J.	18-1-05	

No 493 P.R. Sup^o Engr's office Periar Project
Dated 7: January 1888.
1887

From,

Col. J. Pennycook R.E.

Superintending Engineer

To, Periar Project.
The Chief Engineer P.W.D.
Sir,

With reference to G.O. No

2809 W of 20: October 1887 and

to my letter (from B. Biele

Office) No 445 P.R. of 17th

December 1887. I have the honor

to request permission to retain

the services of the writer same-

tioned in the former G.O. and

of the two persons applied for

in the letter, during my absence

in England.

2- The writer will be attached

to the office of the Executive

Engineer by whom his services

will be required and the persons

I wish to be allowed to retain

to

Not received
11-1-88

to look after my camp
equipage and furniture which
I shall have to leave at Periya-
kulam.

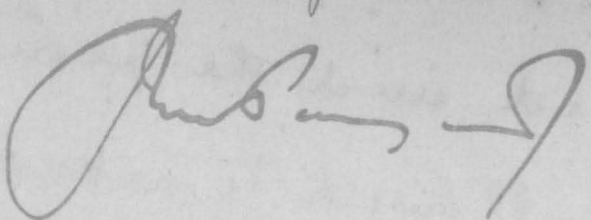
3. These two men belong to
the permanent establishment
of the bi circle office, in which
temporary appointments have
been made in their places.

4. Mr Taylor has applied
for the services of another writer
to be employed under Mr
Mackenzie; if the arrange-
ment now proposed, is sanc-
tioned, he will provide this
man from his own office
establishment.

I have the honor to be

Sir

your most obedt servt



Col R. B.

Supg Engineer, Periyar Project

No 1994...

Nov 13-1-88

19/11

With order

Circ: 17-10-87 R: 19-10-87

No 2809 W of Oct 20, 1887

Faint handwritten text, mostly illegible due to fading and bleed-through from the reverse side.

Curuvanthu 8 September 1887.

No. 78.P.R

W/11:

From Lieut. Col. J. Pennycook R.E.
The Superintending Engineer,
6th Circle.

To

The Chief Engineer P.W.D.
through the Chief Engineer for
Irrigation
Madras.

Sir,

With reference to G.O. No. 2314 W of
29th August 1887, I have the honor to
request that the pay of the Clerks allowed
for the upper subordinates may be in-
creased from Rs. 20 to Rs. 25; these men
will have a good deal of hard work and
responsibility in connection with the
keeping of muster rolls ~~you~~ and I do
not think the latter sum is too much
to allow.

2. I also request sanction to the
entertainment of an additional writer
on Rs. 40 per month with provision to
raise his pay to Rs. 50 at my discretion,
to be attached to my own Office.

3. My Office is already worked to
its full capacity with six Divisions,
besides the Vaigai Bridge which is for
all

ENCLOSURE.

88

With order

NW 13.1.88

W/11

all practical purposes a seventh Division,
and I wish to have an extra writer
specially for work connected with the
Periar Project.

4 In the event of my being relieved
of the charge of the Circle I should
propose to take this writer with me
and in that case as his work & responsibility
would be increased I should probably
desire to raise his pay to Rs. 50.

I have the honor to be,

Sir,

Your Most Obedient Servant,

J. Leitch Col. R.E.
Superintending Engineer to the Circle.

Rs. 25 per mensem each, provided the
sanction is not availed of for
giving promotion to permanent men.

2. With reference to para 2
of Supg. Engineer's letter, a temporary
clerk on Rs. 50 per mensem may be
sanctioned for Supg. Engineer's
office, against which the Supg. Engineer
may immediately appoint a man on
Rs. 40 per mensem.

W. L. W.

C.

21/10

9.0.2314-15427-8-87

No 55 Enl

Forwarded to the Chief Engineer Public Works Department with the recommendation that the proposals made by the Superintending Engineer may be sanctioned.

W. Davidson

For Chief Engineer for
Outstanding }
16. Sept 1887 }

No 3193 C of 22nd Sept 1887

To 6

For favor of remarks.

W. Davidson
11.9.87

D.W.

To W.

No 284/8/10/87

There appears no objection to the temporary clerks under Upper Subordinates being allowed pay at

Circ. 17-10-87 R. 19-10-87

P. W. D. 6th CIRCLE.

From

The Superintending Engineer,

6th Circle.

To

The Chief Engr. P.W.D.
through the C. Engr. for

No. 78 P.R.

Dated

8th

Received

Sept 1887
10.10.87

Enclosure.

Periyar Project

applies for the increase of pay of the clerks allowed for Upper Subordinates + for an additional clerk in connection with the

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

Oct 20, 1887

Read the following

From the Suptg. Engineer VI Circle. H.E. No: 78 P.R. d/8th September 1887
Endorsement by the Chief Engineer for Irrigation. H.E. No: 55 C.W. d/18th September 1887
Office note from the Examiner of P.W. Acts. H.E. No: 623 d/8th October 1887

Sanction is accorded to the proposal of the Suptg. Engineer to raise the pay from Rs 20 to Rs 25 of the clerks of the Upper Subordinates employed on the Periyar Project provided the sanction is not availed of for giving promotion to permanent men; and to the appointment of an additional clerk on Rs 50 subject to the terms proposed in para 2 of the Suptg. Engineer's letter recorded above.

2. This sanction has been registered as Provincial No: 36 W of 1887-88, and classified as Re-establishment, Temporary.

To The Suptg. Engr. VI Circle
" Chief Engr. for Irrigation
" Examiner of P.W. Acts.
d/20-10-87

W. Davidson
11.10.87

Dec 17/10/87

1887.

P. W. DEPARTMENT.

Current No. 7367

From The Chief Engineer for Inspr

ENCLOS.—

No. 558W

Dated 16th September 1887

Received 21st —

SUBJECT.

Recommending the proposal made by the Supty. Engr VIth as regards the increase of pay of the clerks allowed for Upper Subordinates and for an additional clerk being given to him in connection with the Peris Project—

DISPOSAL.

B 1/10/87

No. 3193 Dated 22nd Sept 1887

Job

For favor of remarks.

(Ld) R.L.G.B.

21.9.87

W

W

24/10/87

No 2809 W of Oct 20, 1887

B 1/10/87

Circ: 17-10-87 R: 19-10-87

31/10/87

Circ: 17-10-87 R: 19-10-87

CIVIL WORKS.
IRRIGATION.

Govt. of 1887 Madras.
PUBLIC WORKS.

Dated August, 29th.

Recd.

Encl.

G.O., 29th Aug. 1887, Nos. 2314,
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.

Nos 2314 & 2315 R 29.8.87

Circ: 17-10-87 R: 19-10-87
24/10

29TH AUGUST 1887, Nos. 2314, 2315 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. 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 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 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.

			* 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).			15,05,000	9,90,556

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.

Circ: 17-10-87 R: 19-10-87
18/10/87
24/10/87

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. 50,000* 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—

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.

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.

PULIANGUDI,
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—

1 Accountant, 5th grade	RS.
1 Clerk, 3rd class, 3rd grade	57½
1 Do. 4th " 2nd "	55
2 Clerks, 4th " 3rd "	35
1 Draftsman, 2nd class "	50
1 Do. 3rd "	42½
1 Messenger	25
1 Do.	7
Petty—	6
4 Lascars (each)	6

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:—

	RS.
Works—	
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.

CHEPÂK,
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.

29TH AUGUST 1887, Nos. 2314, 2315 W., PUBLIC WORKS.

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.

LETTER—to the Secretary to the Government of India, Public Works Department,
dated Ootacamund, 29th August 1887, No. 2315 W.

In acknowledging the receipt of your letter, No. 68 A.I., 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 Periyár 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 I., dated 27th April 1883.

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

Exd. J. Moses.
Spare Copies