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MADRAS RECORD OFFICE.

Government of Madras.

Pulcei vnu DEPARTMENT.
Cor. 10/3/60

G.O. No. <u>489</u>	Press Mis. <u> </u>
<i>St</i> Dated <u>6-2-18</u>	<u>60</u>

Not to be folded or roughly handled

11/138

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*Proceedings of the Madras Government, Public Works Department,
for the month of March 1860.*

No. 85. Read the following letter from Colonel J. H. BELL, Chief Engineer, to the Secretary to Government, dated 31st January 1860, No. 9815.

I have the honor to forward herewith a list of the Orders of Government of more than three months' standing remaining unanswered in the Central Office of Public Works on the 30th September 1859.

No. 86. ORDER THEREON, 6th March 1860, No. 489.

1. With this letter the Chief Engineer submits a list of unanswered References for the half year ending 31st December 1859.

2. The Government observe that the following papers which have not been replied to, or otherwise disposed of, have been omitted from the list without explanation.

Public Works No. 1789, 26th July 1859, paragraph 4.

To consider whether small stores and tools in ordinary use such as pickaxes, &c. may not be either manufactured at Dauléswarem and Bezôra, or purchased in the local markets instead of indenting on the Home Authorities.

Public Works No. 2295, 24th September 1859.

To report on the proposal to make the Treasury building at Calicut defensible.

Revenue No. 677, 17th May 1859.

To report with reference to Lieutenant Taylor's communication on the Goond forests on the best measures for bringing down the timber to the coast.

3. Of the papers entered in the list, the Government proceed to pass Orders on those specified below:—

No. 1178, 17th June 1857.

" 1373, 18th July "

" 504, 4th August "

Requesting that an officer may be deputed to ascertain and estimate for a line up the Kunur ghât.

Agreeably to the Chief Engineer's request and with reference to the Proceedings of Government 12th July 1859, No. 1688, the Orders noted in the margin will be omitted for the future from the unanswered reference list.

No. 288, 31st January 1859.

Calling for an estimate of the cost of the additions stated to be required to the temporary European barracks at Waltair.

This Order may be omitted. In submitting the bill the Order authorizing the work must be quoted.

No. 845, 11th April 1859.

Requesting the submission of revised statements of the sums proper to be allowed for repairs in the several districts.

This subject having been disposed of in the budget may be omitted.

No. 864, 12th April 1859.

To report whether assistance for the completion of the barracks may not be obtained from the Sappers and Miners or from soldiers of the regiment at Jackatalla for extra pay.

This Order may be omitted.

No. 965, 21st April 1859.

Calls for an estimate for building a church at Jackatalla.

Superseded by later Orders and may be omitted.

No. 1507, 18th June 1859.

Respecting the arrears of toll on the Cochran's canal due by the Municipal Commissioners.

This question having been disposed of by the Orders quoted by the Chief Engineer this Reference may be omitted.

No. 1165, 31st August 1859.

To report on the progress of the Madras Survey.

The Order of the 28th October 1859 No. 1461 having placed this Survey under the Director of Revenue Settlement and Superintending of Survey, this reference to the Chief Engineer will be omitted in future lists.

(Signed) T. PYCROFT,

Chief Secretary.

Central Office of P.W.
Sépiakham
31st January 1860.

N^o. 9815

From
The Chief Engineer
To
The Secretary to Government
Public Works Department

Sir,

Public

1 List

I have the honor to forward
herewith a List of the orders of Government
of more than 3 months standing remaining
unanswered in the Central Office of Public
Works on the 30th September 1859.

I have the honor to be,

Sir,
Your Most Obedt^t. Servant,

M. Bell Colonel
Chief Engineer

E. L. L. L.

List of Orders of Government of more than three months standing remaining unanswered in the Central Office of Public Works on the 30th September 1859.

5th April 1855 N^o 145. Calls for Lieut^t Chamber's The Gov^t have directed the Chief Eng^r to report
6th March 1858 . 397 final report regarding in communication with
18th May 1858 . 335 the branch Canal to the bol^t bottom on this subject.
28th Sept^r 1859 . 2326. Beach. Awaiting bol^t bottom's return.

12th July 1855 N^o 335 Calling for a revision of A Statement is
17th Aug^t 1857 . 1591 the rates of hire for labor under preparation
13th Feb^r 1858 . 257 in this Office.
3rd May 1858 . 830. Req^d.

24th August 1855 N^o 456 Requesting the Chief Deferred pending the completion of a set
16th April 1857 . 689 Engineer's opinion on the subject of of Store Accounts ordered
1st March 1858 . 348 the Establishment of Depots for timber, to be prepared in Pro.
26th May 1859 . 1267 and tools in each District. proceedings of Gov^t N^o 1013
of 1267 dated 2nd & 26th May 1859, now nearly finished.

24th August 1855 N^o 459 Calls attention to the question Held in abeyance
of improving the principal Vide Pro. dated 26th
ports of Coringa and Cocanada. October 1859 N^o 2524.

9th Jan^y 1856 N^o 41. Calls for a report on the Held in abeyance
8th Feb^r 1856 . 174 project for an Anicut across on account of the
the Many-mothanuddy river. restriction on its
expenditure.

23rd Feb^r 1856 N^o 265. Calls for certain information Deferred under the
with regard to 4 Roads in Rajah. authority conveyed in
mundry. G. M. C. N^o 2158 dated
14th October 1858.

22nd July 1859

1855

1859. b. 6. Chack.

under remaining unanswered
in the Central Office of Public Works
on the 30th September 1859.

under remaining unanswered
in the Central Office of Public Works
on the 30th September 1859.

under remaining unanswered
in the Central Office of Public Works
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under remaining unanswered
in the Central Office of Public Works
on the 30th September 1859.

under remaining unanswered
in the Central Office of Public Works
on the 30th September 1859.

8th May 1856 N^o 657

Requires a recon-

15th April 1857. 682 consideration of the Seringapat

25th May 1858. 997 Irrigation Project.

The project has been held in abeyance in consequence of the appointment of Mr. Fraser as Dist^l Eng^r.

15th May 1856 N^o 703

Calls for a survey

15th Sept^r 1856. 1649 considered Estimate for effectual operation at the Northern outlet of the Mangalore Harbour.

The Estimate called for was revised, but it has been deemed proper not to recommend the expenditure of any money until a matured and complete plan for the effectual improvement of the port is prepared.

27th May 1856 N^o 705

Calls for information on

14th Jan^y 1857. 92 several points connected with the classification and management of Roads

Reports from the local Officers received, but further information called for.

17th Sept^r 1856 N^o 1674

Calls for a revised

Estimate for effecting the junction of the Coast Canal with the Southern high level Channel at Intole.

Survey of the Canal in progress.

17th Sept^r 1856 N^o 1680.

Requests that the

whole of the Estimates for the roads from both sides of the Mauneral Ghaut towards Gunter and Lurnel, be got ready for the Budget.

Estimate received and under examination

22nd Oct^r 1856 N^o 1797

Calls for a report on the

27th Jan^y 1857. 197.

subject of connecting Negapatam

10th June 1857. 1116.

with the interior of Tanjore

18th Jan^y 1859. 158.

and Trichinopoly.

1st Swaiting District Engineer's report

21st Oct^r 1855 N^o 1732.

Directs that Mr. Fraser

1042.

Survey of one of the two sites

for reservoirs for the storage

of water and an Estimate

for a Dam and subsidiary

works be submitted.

The Dist^l Eng^r proposed to take this work in hand in Sept^r last and complete it. No report has yet been received on the subject.

7th Jan^y 1857 N^o 236

Transmits copy of a

15th Dec^r . . 103.

Colonel Cotton's Memo on

3rd July . . 1287.

the proposed Bellary Canal

for preliminary investigation

and early completion.

Referred to Colonel Cotton for opinion

10th Feb^y 1857 N^o 294

Calling for the submission

8th March 1857. 523.

of a scheme for the collection

of tolls on the Tambracherry Pass

when opened.

The Ghat has not yet been opened and the subject is under reference to the District Engineer Malabar.

21st Feb^y 1857 N^o 351.

Calls for an Estimate for

continuing the road from Pal.

manair and Venkatagerry bet.

to Coorcoodycoorun and

requests

This District Engineer's attention was called to this subject on the 24th Sept^r 1857. Awaiting his reply.

requests that the D^y Engineer may be instructed to examine the line thence to Tanienbady and to submit an Estimate for the same.

Desires that when the Hunting Captain boundaries of the several Priests' Survey. Jemindaries shall have been laid down, the omission which still exists in the Tubular State. ment of area of each Collocation may be supplied.

Calis for lists of -
Awaiting reply from District Engineer Royam.
Necraminum Establishments. Father who was lately united upon to expedite the despatch of the list.

16th April 1857 N^o 631. Calls for a Statement The District Eng^r
on the Southern Trunk road was directed on the
and a report on the cost 29th November last
of operation in the Cauvery to expedite the im-
and Veerasholen rivers in plementation of this in-
Tanjore.

8th April 1857 A: 655

Requests the Chief Engineer's professional opinion on Captain Collyer's report on Col^l Cotton's project

Referred to Col^l

project for an Irrigation and Navigation Canal in Bellary.

9th April 1857. No 670 Calls for Estimates for Plan & Estimate received,
22nd Oct. 1857. 1986 the proposed Lunatic Asylum but returned for entry of
13th Feb. 1858. 254. at Madras cost for sewage.

2nd May 1857 N^o 845
19th Nov^r 1857 " 2131.

7th May 1857 N^o 805

Requests that when the bill for the Meyboor Taluk butcherry is submitted, explanation may also be afforded as to the cause of the excess over the estimate.

The Dist^{ts} Engineer states that the report will be submitted with the final Bill which has been called for.

22^d May 1857 N: 975. Calls for lithographed
Skeleton Maps of Trunk
roads. All the Maps have been
forwarded with the exception
of those for Trichinopoly &
North Arcot which will be
sent on receipt from Dist:
Engineers.

17th June 1857 N^o 1178. Requests that an Officer* It is requested that there may be omitted with reference to the Pro: of Govt^y dated 12th July 1857 N^o 1688 inserted

18th July 1857. 1373 may be deputed to ascertain and

4th Aug^r 1857. 1504. Estimate for a line up the Kunur in this List.

Chaut.

18th June 1857 N^o 1180.

Calls for a report as to whether
Haltabapur or Bellary is to be preferred
as to the site for an Engineer's work
shop.

Will be reported on
in connection with the
subject of the Establish-
ment of Depots for
Timber and Tools.

4th July 1857 N^o 1291.

Calls for explanation of the
cause of the insufficiency of the
original Estimate for metalling the
cantonnement roads at Ootacamund.

Awaiting reply
from District Engineer.

8th July 1857 N^o 1313.

5th August 1858 . 1542.

Calls for plans and
Estimates for a prison at Vizagapatam.

The attention of the Dist^t
Eng^r will be called to
this subject.

12th Sept^r 1857 N^o 1739.

Calls for Estimates for Central
Jails at the stations of Bellary
and Trichinopoly.

D^o D^o

14th Sept^r 1857 N^o 1745.

18th May 1859 . 1202.

23rd Dec^r 1859 . 2984.

Calls for plans and
Estimates for a Penitentiary
for European Convicts at Ootaca-
mund.

Held in abeyance.
Vide Pro. of Gov^t dated
23rd Dec^r 1859 N^o 2984.

1st Sept^r 1857 N^o 1828

1st Dec^r 1859 . 2966.

Calls for an Estimate for
completing the water communication
between Mangalore and North
Malabar.

Vide letter to Gov^t
dated 20th Aug^r N^o 9394
on the cause of delay
in submitting this
project.

29th Sept^r 1857 N^o 1847.

Calls for a report on the most
eligible site for a landing place
at Adiar.

11905
The Estimates in con-
nexion with this project were
received but returned to
the District Engineer for
revision.

4th Oct^r 1857 N^o 2021.

Para 23. Calls for a revised Estimate
for a 1st class road from Bairlutty at
the foot of the Munteral Pass to
Gardimudugor in Buddapah.

Estimates received
and under examination.

Para 24. Calls for an Estimate
for connecting the road from
Guntur by Innascondah to the
Rudapa frontier with the foot
of the Munteral Pass on the
eastern side.

Awaiting receipt
from District Engineer.

6th Nov^r 1857 N^o 2077.

Calls for a report on the
subject of providing church accom-
modation for the Christian
population at Ootacamund.

Held in abeyance
until the result of the
Rangoon Chon Church
experiment is known.

9th Nov^r 1857 N^o 2128

13th Aug^r 1859 . 1949.

Para 5. Calls for revised Estimates
and plans for a District road
from Aska to Pumba on the
Chilka Lake in the Ganjam
District.

Vide letter to Gov^t
dated 23rd Nov^r 1858
reporting the inability
of the Dist^t Engineer
to submit the plan
and Estimates.

Para 7. Calls for an Estimate
for

Awaiting receipt from
District Engineer.

for a road from the Nowpada salt pans to Juggernadaapuram via the Town of Bomalli on Trunk Road No. 6.

19th Nov^r 1857 No. 2128. Para 11. Calls for a revised estimate for a metalled road from Nuraapur to Uttali in the Rajamundri District.

Para 14. Calls for a revised estimate for the repair of Trunk road No. 6 from near Nulla. Cherla to Tuni including the construction of a bridge over Galairu at Gennaveram in Rajamundri.

20th Nov^r 1857 No. 2138. Calls for a report on the working of the Turf Presses.

24th Aug^r 1858. 1711.
11th Oct^r 1857. 2415.

24th Nov^r 1857 No. 2158.

Calls for a fresh estimate for the Butcherry at Lungum in the Nellore District prepared in accordance with the standard design for Butcherries.

The Dist^g Eng^r reports that he is desirous of with- drawing this project and substituting one for a canal between these places.

The attention of the District Engineer was called to this subject in September last. Awaiting his reply.

Awaiting the further report promised by the Executive Eng^r at Sackatalla in October last.

Held in abeyance till the Taluqs are fixed.

21st Nov^r 1857. 2167

Para 11. Requests to be informed of the results of the enquiry proposed to be instituted on the subject of the sandy and other deposits at the mouths of Indian rivers.

26th Nov^r 1857 No. 2181

17th July 1858. 1389.

Calls for plans and estimates for the construction of a Cavalier Tower in the Barracks at Bangalore.

4th Dec^r 1857 No. 2260.

Requests that on the resubmission of the estimate after the removal of the present restriction for additional Masonry and earth work required to com- plete the road from Puthul. put to Kureumbadi in North Arcot information on certain points may be furnished.

4th Dec^r 1857 No. 2393.

Calls for plans and estimates for a Mill and Bakery at Sackatalla.

13th Nov^r Awaiting a few replies from District Engineers.

The attention of the Ex. Engineer Bangalore was called to the subject in Dec^r last. Awaiting his reply.

Reply received to a reference made to the Dist^g Eng^r. Will be submitted after the removal of restrictions.

Held in abeyance as directed in G. O. No. 1736 dated 26th August 1858.

1st June 1858 N^o 1039

Calls for an Estimate for the construction of a rest house for travellers at Kul. hutty in Coimbatore.

Estimate received and returned for revision

11th June 1858 N^o 1103. Para 20. Requests to be in-

3rd Jan^y 1859 . 11 . formed of the state of the road from Palmanair to

21st April 1859 . 956. Venkatagerry together with the present traffic on it.

Awaiting the receipt of a revised Est^t promised by the District Engineer.

8th June 1858 N^o 776.

Inquiring whether the

21st April 1859 . 956. Map of the Geological Survey of the Neilgherries can be executed in the lithographic Dept^t of the Central Office without additional cost.

Vide letter to Govt^t N^o 1288, 6th June 1859, reporting that this subject will be attended to on the receipt of a reply from the Sec^y to the Geological Survey of India.

1st July 1858 N^o 1242.

Calls for a report on the lock up houses and accommodation provided for prisoners in the standard plan of Police butcherries.

Awaiting further information from Dist^t Engineers of Kurnool and Trichinopoly.

17th July 1858 N^o 1389

Calling for a plan

21st April 1859 . 956. and Estimate for establishing principal

The attention of the Ex^t Eng^r Bangalore will be directed to this subject.

17^m

principle Magazine for all combustible within the line of entrenchment of the new Barracks at Bangalore.

Calling for plans and Estimates for making the two enclosures in the Cantonment occupied as Barracks at Bangalore.

The attention of the Executive Eng^r Bangalore will be directed to this subject.

D^o—D^o for a

The attention of the D^o Eng^r will be called to this subject.

Treasury at Bellary

D^o—D^o for con.

structing Field work at Bellary. Referred to Col^l Cotton for his opinion

D^o—D^o Excavating

pits and filling them with soil for facilitating the growth of trees to be planted in the neighbourhood of the Bellary Barracks. The attention of the Dist^t Eng^r will be drawn to this subject.

D^o—D^o for

forming a new Cantonment at Kurnool and for his opinion. a fortified Post contiguous to it.

17th July 1858 N^o 1389

21st April 1859 . 956. Calls for a plan and Estimate for a bridge over the Tombuddra river that over the Hindree being now in progress. Received to Secy Cotton for his opinion.

Calls for Estimates for excavating pits and filling them with soil for facilitating the growth of trees, to be planted in the neighbourhood of the Barracks at Kurnool. The attention of the Dist^l Eng^r will be directed to this subject.

Calls for Plans and Estimates for constructing a School room to the Barracks at Cannanore in the District of Malabar. Plans and Estimates received but returned for revision.

D^o D^o for constructing a Barracks for a European Artillery Company and for a Gun Shed at Malabar. Temporary Gun Shed sanctioned in G. M. C. 16th April 1859 N^o 900.

D^o D^o for completing with Bridges the line of road between Calicut and Muliapuram in Malabar. The attention of the District Engineer will be again called to this subject.

27th July 1858 N^o 1465

10th Augst . 1567

Calls for a report of the expense of repairing and making safe the Mooniff's Court and School room in Terormal Maik Palace at Madura. Awaiting reply of Dist^l Eng^r whose attention has been called to this subject.

28th July 1858 N^o 1475

Desires that when the Estimate of Rupees 8580 sanctioned for restoring the Banks of the Coom river has been worked out, application be made for a maintenance allowance. The work is under execution & the orders of Gov^t will be attended to.

9th August 1858 N^o 1559

Calls for a report on the state of the ventilation of all Government buildings inhabited by Europeans. Replies to a Circular on this subject have all been received and a report will be shortly submitted.

20th Augst 1858 N^o 1674

28th Sept^r . 2002

Calls for a report on the suggestion to adopt the road from Mullapady to Chripatur as a Trunk line instead of the present road from the former place to Vanimbaddy with an Estimate. Estimate received and under consideration.

21st April 1859 . 956.

the road from Mullapady to Chripatur as a Trunk line instead of the present road from the former place to Vanimbaddy with an Estimate.

12th Sept 1858 N^o 1829.
9th April 1859 . 836. Requests that all Officers may be called upon to furnish information on the subject of sewage.
19th 2nd . 923. *Refers to a Circular on this sub. just has all been received & a report will be shortly submitted*

28th Sept 1858 N^o 2005
Calls for a plan and Estimate for a new Jail at Madura.
Plan and Esti. received and under consideration.

7th Oct 1858 N^o 2072.
Requests that Esti. mates for the roads to be opened towards the great Cotton growing Districts of Dharwar and Bellary may be sent for entry in the Budget of 1859/60 as well as those for the works required at Beilhal.
The attention of the District Engineer will be again called to this subject.

13th October 1858 N^o 2152 Para 2.5
Requests to report what is now being done towards the completion of the road from Percanjee to Sholingur in North Arcot.
The attention of the Dist^y Eng^r will be called to this subject.

13th Oct 1858 N^o 2150
States that Government will be prepared to recommend the removal of the restrictions on the regulating Dam at the Head of the Cauvery and Verasholen, in Tanjore on being furnished with certain information.
Awaiting reply of Dist^y Eng^r whose attention has been called to the subject again.

14th October 1858 N^o 2166.
Calls for an Esti. mate for the repair of the Building occupied as a Sea Custom House at Negapatam.
Estimates received and under examination.

20th Oct 1859 N^o 2202.
Requests that the District Engineer Godavery may be called upon to submit for entry in the Budget of 1859/60. Estimates for Bridges over such of the Delta canals as are crossed by the inland and the Coast & Northern roads.
In a letter dated 5th Nov^r last, the Dist^y Eng^r reports that the Estimates will be submitted for the Budget of 1860/61. but they have not yet reached this Office.

25th Oct 1858 N^o 2247.
Refers for report certain papers connected with the
Under reference to the Dist^y Engineer.

the proposed Cantonment at
Waltair.

1st Nov: 1858 N: 2345.

Requests to submit This be attended
after the removal of existing to.
restrictions Estimates for con-
structing a double bridge
over the Mullatar in the
South Arcot District.

1st Nov: 1858 N: 2400

19th Dec: 1859 . 2943.

Communicating Ex: Awaiting receipt
tract Minutes of Proceedings in from D^r Engineer
the Military Department, of Plans and
Estimates.
with a request that the
necessary steps may be taken
for providing Magazine ac-
commodation at Cannanore.

1st Nov: 1858 N: 2444.

13th Dec: 1858 . 2695.

Calls for information Under reference
as to the transfer of the to the District
Lantern intended for the Engineer.
Comptrol Light House to
Tudary.

16th Nov: 1858 N: 2415.

Calls for a fuller. Reply received
report in the case of Sub from D^r Engineer
Overseer Davajee Crow's care. to a reference, but
further information
before in rebuilding the called for.
wing

wing walls of a sluice in the
Poolencolum Tank in the Madura
District.

25th Nov: 1858 N: 2463.

10th Nov: 1859 . 2631.

Requests to furnish cer. The attention
of the District Eng^r
has been called to this
subject, awaiting his
reply.
tain information required by the
Honorable Court regarding
Jeroomal Naick's Palace at
Madura.

26th Nov: 1858 N: 2530.

Calls for a plan and Plan and Estimate
Estimate for a new Court house received and returned
for revision according
to the standard design.
for the District Moonsiff at
Vellore.

27th Nov: 1858 N: 2544.

Calls for a report on the Replies to a Circu-
lar on this subject are
being received and the
subject is under con-
sideration.
working of the rules regarding Travel-
ling allowances, after a sufficient
period has elapsed.

29th Nov: 1858 N: 2551.

Calls for an Estimate Estimate received
and awaiting receipt of
certain information called
for from the Coll^y of
North Arcot.
for completing the Arnee and
Vellore road.

3rd Dec: 1858 N: 2600

30th Sept: 1859 . 2341.

Calling for a report The work has been
stopped.
from M^r Fraser on the Veylan.
Thavalum bridge in Malabar
after

after its completion.

3^d Dec^r 1858 N^o 2608.

Requests to report on the state of the road between Pullecondah and Guriattum and that from Palmanair should also be specially reported upon.

The attention of the District Eng^r will be again called to this subject.

7th Dec^r 1858 N^o 2641.

23^d Dec^r " " 2778

7th May 1859 " 89.

Calls for an Estimate for the construction of one or two more ranges of Temporary Barracks in Trichingopoly.

Under reference to the Inspector Gen^l of Ordnance and Magazines.

7th Dec^r 1858 N^o 2649.

Calls for a report on the subject of the adoption of certain steps for improving the sanitary condition of the Town of Salem.

The Dist^l Eng^r reports that the Letters have been forwarded to the Sub Coll^r whose attention will be drawn to the subject.

8th Dec^r 1858 N^o 2663.

Calls for a report on the Bridges on the Arbyle road.

The Dist^l Eng^r has intimated that a report on all the timber bridges will be shortly submitted.

2^d Dec^r 1858 N^o 2777.

Calling for a report on the records of the Cantonment Plans kept in the Central and in the Executive Engineer's Offices.

In communication with the D^r Mr Gen^l of the Army.

23^d Dec^r 1858 N^o 2781.

Requests to report the cost for the construction of 5. carts for the conveyance of Machinery.

An Estimate amounting to Rs. 1200 was received from the Garrison Eng^r for these carts and was returned with instructions to submit in due course a Bill.

7th Jan^y 1859 N^o 60.

18th March 1859 " 632.

Directs the preparation of Estimates for the construction of Courts for the Sub Collector and Moonsiff at present located in Trimul Naick's Palace.

Awaiting receipt from District Engineer who has been requested to expedite the submission of the same.

8th Jan^y 1859 N^o 68.

Calls for a report relative to the experiment on surface friction of Boats about to be undertaken under Coll^r Cotton's direction.

This report will be submitted to Gov^t by Colonel A. Cotton.

8th Jan^y 1859 N^o 71.

Calls for an early report on a proposition made by the Officiating Consulting Engineer for Railways for the construction of certain lines of communication in connection with the Railway in North Arcot.

Some of the required Estimates have been received and are under consideration.

10th Jan^y 1859 N^o 76.

15th June 1859 " 1469

Requests to be informed of the additional professional aid required

The Dist^l Eng^r has reported on this subject. His letter is under consideration.

by the Acting District Engineer of Coimbatore for laying out roads and completing the plan of the Ootacamund station. See R. and also regarding the water supply.

12th Jan^y 1859 N^o 115

Directs that it be ascertained and reported whether the rules for systematizing and enforcing Village labours are in operation, and whether under the present organization there is any utility in maintaining them.

Awaiting replies from the Collectors of Madurai and Masulipatam.

24th Jan^y 1859 N^o 222

Requiring the Collector of Tanjore to report the completion of the duty of bringing up the arrears of accounts of the Maramut expenditure.

The Collector reported that Bills amounting to Rupees 55,832-5-8. have been sent to the S^t. Eng^t for transmission to the Central Office. The final adjustment of the arrears may shortly be expected.

27th Jan^y 1859 N^o 248

bills for plans and Estimates for Barracks and Store house at Rogapur in the Masulipatam District.

Awaiting receipt of Plans and Estimates from Dist^t. Engineer.

29th Jan^y 1859 N^o 264

Requests that the District Engineer of the Godavery Division will take an early opportunity of reporting more accurately on the matter connected with the bar of the Narsapur River.

Vide letter to Gov^t dated 31st Oct^r 1859. N^o 6696 reporting that the required report will be submitted after the N. E. Monsoon. The attention of the S^t. Eng^t has been drawn to the subject.

31st Jan^y 1859 N^o 288

Authorizing the immediate execution of the additions stated to be required to the temporary European Barracks at Waltair, and requesting the submission of an Estimate for the work.

The Estimate for this work was received in March last, but the Dist^t. Engineer was requested to submit a Bill in due course for the same. The Estimate amounted to Rupees 300. This reference will, with the permission of Gov^t, be omitted in future references.

2nd March 1859 N^o 477 Paras 10 & 11.

26th D^c . . 713. Directs that on the completion of the inspection of

Will be attended to.

of the works at Jackatalla,
Colonel Lawford be deputed
to visit and report on
the Muthayar under-Tun-
nel, and to submit an
Estimate for the completion
of the Tunnel.

8th March 1859 N: 517. Calling for Plans and Estimates to be pre-
pared by Lieutenant Hunter for the Beilkul Harbour. Report on this subject has been received from the Dist: Eng: and is under con- sideration.

12th March 1859 N: 540. Comd. Requests to consider the subject of honorary pre- fixes for vernacular proficiency to the names of Officers of the D. P. H. In commu- nication with the Board of Examiners.

15th March 1859 N: 557. Calls for a report on certain allegations made by Mr. Dick in his letter regarding his detention from duty out of his Division. Report received and under disposal.

18th March 1859 N: 631. Requests to be informed of the result of the report made by the District Engineer regarding the authenticity of the plan made by a Major and was drawn to the District Engineer's subject on the 14th Dec: 59.

18th March 1859 N: 638. Papers for further report. Will be shortly the information supplied by the reported on District Engineer's Madras regards the annual maintenance of roads in that District.

24th March 1859 N: 732. Calling for the opinion of the Conservator of the Collector and of the Con- Forest has reported conservator of Forests respecting the that he will shortly opening of a wheel track into certain parts of the hills near Poole hills in Cochin in the hills.

31st March 1859 N: 742. Requests that an annual report of the state of rented report from Civil Buildings at the Presidency may be received whose attention he submitted by the Civil Architect has been drawn to the subject.

31st March 1859 N: 758. Calls for plans and Estimates for the construction of a Canal from Cochin to Engineer on this subject.

2nd April 1859. 14770 Para 6 Desires that the Estimate received
23rd June 1859. 14755 Estimates stated to have been and under examination
prepared for completing the road - from
from Kellay to Kalla may be
laid before Government at a
later time.

5th April 1859. 14812 Para 4. Requests that the forwarding receipt
14th May 1859. 14860 Collector and District Engineer of who's office
of Pangare will at the termination District Engineer
tion of the operation of closing
the breaches in river banks submit
a report on the same for the in-
formation of Government.

11th April 1859. 14845 Desires the submission of necessary provision
of revised statements of the has been made in the
sums proper to be allowed in Budget of 1859/60 for
the several Districts for repairs. repairs with reference
to the wants of each Dist.

12th April 1859. 14854 Calls for a plan and Estimate
and Estimate for surrounding the from the District
a Pahal Dohot with a mud Engineer whose atten-
wall and thorn fence and to - how will be again
constructed Overseers quarters also drawn to the subject
to the Dohot.

12th April 1859. 14864 Para 4. Requests to report whether ^{31st} party of Sappers
assistance for the completion of and miners have
the Barracks may not be obtained being employed out
-ed from the Sappers and Miners, the works
or from Soldiers of the Regiment
at Jachattalla for extra pay.

14th April 1859. 14888 Directs the submission of several forms
of Lists of all Forms required have been received from
by each District Engineer and District Engineers and
during the year - will shortly be submitted.

18th April 1859. 14919 Requests that in the will be attend.
completion of the Kullar Bridge - ed to -
on Bank Road at T in the Salen
District a bill may be submitted
with a full report of the actual
cost.

21st April 1859. 14965 Calls for an Estimate. Vide Proc. of Govt.
for building a Church at Jachattalla 1/19th Decr. 1859. 14944
as soon as the Barracks shall be in which revised plans
completed - & Bills are called for.

2nd May 1859. 14965 Calls for a plan. Plan and Estimate
and Estimate for a small Poo received and returned
Hard at Cachin. - for revision.

3rd May 1859 No 1132

Requests to report at the Court will be made of the year what has been called for and then the actual result of the commission of employment of the Dredge at the various places which Part of a report on the subject.

7th May 1859 No 1132

Desires the same and a waiting receipt - might be an estimate for the year and will be required for the Dredge and the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

2nd May 1859 No 1132

Calls for plans and a communication with estimates in the Dredge at the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

5th May 1859 No 1132

Para 2 Requests that a careful statement may be furnished showing as to the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

Para 3 Requests to be informed how the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

11th May 1859 No 1130

Calls for an estimate of the cost for fitting up the from the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

12th May 1859 No 1137

Calls for plan and Plan and Estimate Estimate for a Dead room in received but returned the compound of the small Pond for cambering of the Dredge at the Dredge and the Dredge of the Dredge.

16th May 1859 No 1668

Calling for the Chief Engineers opinion where it Report on the other Captains Morgan should subject has been received not also have charge of the and a report will be submitted to Court.

4th July - 1857

2nd Sept - 2290

12th Oct - 2419

25th Nov - 2448

20th May 1859 No 1219

Requesting to submit the Plan and Estimate as soon as possible a report with received from the Dredge and the Dredge of the Dredge and the Dredge of the Dredge and the Dredge of the Dredge.

26th May 1859 No 1267

Requesting to submit the Plan and Estimate with the general Report a plan of a shore account that some delay will take place in sending this report.

31st May 1859 A^o 1318

Requests to obtain the communication
opinion of the Commander in Chief as to the advisability
of constructing bridges to connect
all the front terraces and a
wooden palisade round the barracks
at Juckatalla.

3rd June 1859 A^o 1346

Direct to Hastings Not yet received,
the submission of the special report but will be called
for by the Government of India in September last on the
Juckatalla buildings and also the
submission of an Estimate for the
additional Saluting Bell called
for by the Government in December
1857.

3rd June 1859 A^o 1354

Para 3. Calls for a report at
the end of two years (from the last) as to
as to the proper amount of allowance
for ordinary repairs of the barracks.

10th June 1859 A^o 1412

Calls for a plan and
Estimate for the erection of a rest
house at Ootacamund.

13th June 1859 A^o 1480
14th June 1859 A^o 1544

15th June 1859 A^o 1473

Requests to reports Replies from a
within what time the maps showing the boundaries of Salok for the purpose of the Imperial Police
Depths may be completed.

Para 2. To report what is
proposed to be done with the old
workshops at Dowlaishwaram
are considered unworthy of repair
or with the materials of those build-
ings.

Para 4. Calls for a report of
the aggregate cost of the work
shop at Dowlaishwaram during the
Official year 1858/59 including the
whole Establishment maintained
of the quantity and value of the
work performed in it during the
same period.

15th June 1859 A^o 1470

To call upon the District
Engineer to submit a plan and
Estimate of a building which would answer
the joint purpose of a general Dispensary &
Civil Hospital at Ootacamund.

15th June 1859 A. 1531 Para. 1. Orders that the subject The Cont. in Proc.
of the areas of toll on the 26th August 59, 1859
Bochrans Canal due by the directed that the
Municipal Commissioners will be areas of toll be
taken into consideration and re- adjusted at the rate
-cising the Chief Engineer's re- order of 11th July 59, 1859
-port that the nuisance com- 1677. This resolution will
-mitted has been abated and the therefore with permission
damage done to the Canal is re- is omitted in future
-paired. Unanswered. Expenses
List.

23rd June 1859 A. 1534 Calls for a plan and waiting receipt
Estimate for a small job at from District
Chittapur and also an Estimate Engineer
for adapting the building at that
place now occupied in part as a
prison, to the sole purpose of a
Civil Dispensary and Hospital.

23rd June 1859 A. 1533 To prepare and send waiting receipt
29th July 1854 with a plan and Estimate for from District
a fortified post to contain the Engineer
arsenal and certain other build-
ings at Enchinahole.

25th June 1859 A. 1567 Requests that the waiting receipt
District Engineer of Sangli may from District
be instructed to prepare an Estimate Engineer
of the cost of constructing a new
branch from the Northern Trunk
Road to the Port of Munerottah.

25th June 1859 A. 1564 To report the measures On receipt of re-
taken for the distribution and for -ports from the Officer
giving full effect to the re- who have been called
-periments of the materials used in upon to report the
Mr. Pansomes patent process for result of the trial
preserving stones and at the end of the material,
of the year to furnish a special this subject will be
report on the trials made and taken up -
their results.

21st June 1859 A. 1521 Para. 6. To report in Commis. Under reference
6th Aug 1891 - sation with Captain & Craig to the Officers
(on his return) and Colonel Cotton concerned.
the further immediate measures
necessary for the improvement
necessary for extending the nar-
-igation of the Godavery to
a point higher up than the
present.
Para. 7. To ascertain and report... D... D...
the suitability of the Krishna
upwards from Razwada for naviga-
-tion.

28th June 1859 No 853

1st Oct 2364

Communicating Copy of the letter from Mr. Dykes of 11th Jan 1859/94 special duty at Rajahmundry and informing that the requesting that an explanation re. special account de- regarding the remarkable discrepancy put to the Engr. by the District Engineer's memorandum will take Office of the balance of Rs 10,404 72 remaining unaccounted for may be submitted

27th June 1859 No 850

Directing to issue In correspondence orders for the immediate execution with the D. Engr. of work houses at Enkapur and of Salim who reports Chodaghere Estimates for the that the sum for buildings being in the mean considerably exceeded while submitted for sanction

23rd June 1859 No 853

29th Sept 2374

Requesting to submit a trustworthy Estimate founded from District upon a regular survey for the Engineer's construction of the road from Jeypur to Paravathur

13th July 1859 No 1607

Calling for plans and Estimates for the erection of a dam Estimates received from Mr. P. and K. B. Bant, for the use of and under supervision of the Deputy at Rajahmundry station in the Valley District

7th July 1859 No 1648
10th Sept 2079

Para 5 To submit without delay a report on the state of the financial position of the Works. Engr. of 14th Jan 1859/94 for directing the appointment of a special agency for the settlement of the accounts of the Engr. District

7th July 1859 No 901

Calling for Estimates for such roads for improving the approaches to the salt pans in the Coajung District

12th July 1859 No 1688
6th Sept 1886

Para 5 Calls for plans and Estimates for a road 7 yards wide on the Ganur Ghant. The D. Engr. reports that he has employed a Supervisor in preparing the required Plans and Estimates

Para 6 Calls for a Survey of the line of road proposed by the District Engineer for the upper part of the Cigir Pass, and to prepare a plan and Estimate for the last portion he refers to

13th July 1859 No 1696

Call for an Estimate for repairing the walls of the Cemetery in the Depot lines at Enndalare in South Arcot Office, under the rules of the Depot

20th July 1859. No. 1715

Requests to be informed in correspondence of the total cost incurred with the District in the work instituted by the Engineer. District Engineer General against certain contractors and to submit a detailed Bill for sanction.

21st July 1859. No. 1751 Para. 6. Calls for a revised In correspondence 17th Sept. 2240 Statement showing the actual with the District outturn of the Northern Canal Engineer out this from July 1861 to the close of subjects. 1858/59. under separate heads.

Para. 7. Requesting to report Awaiting receipt on the present depth and general of the District condition of the northern part of Engineer's report. the Dongaranyapatam Canal in the Nellore District.

23rd July 1859. No. 1779 Calls for a report Awaiting report on the result of the operations from District for sinking two wells in the line Engineer. of the 30th Regt. N. I. at Bellari

26th July 1859. No. 1803 Requests the Garrison Engineer in Charge of Fort St. George to report on the Lines at Landers gardens the construction of the Lines after the completion. should be deferred.

27th July 1859. No. 1806

Requests to expedite Plans and Estimates the submitting of the plans and received and returned Estimate for the proposed Quarter to District Engineer at Cannanore in Malabar called for revision. for in para 2 of the Proceedings of Government dated 17th July 1858. No. 1389.

29th July 1859. No. 1814

Calls for plans and Awaiting receipt Estimates for a Cantonment at from District Engineer Vizagapatam.

1st Aug 1859. No. 1892

Requesting to be furnished In Correspondence with certain information re with the District regarding the nature of the road Engineer on the subject and the quantity of traffic over it, and which the construction of a Bridge is recommended across the Sumilair at Sothrapaudu in Masulipatam.

6th Aug 1859. No. 1885

Calling for certain Plans and Estimates information regarding the accommodation received and referred to in the Collectors to the Board of Cutcherry proposed to be constructed at Sydapatti.

20th Jun 24th Aug 1859 No 2028

29th Nov 27th

Requests to report on certain points connected with the plan for flushing the drains in the Town of Madurai with water. Awaiting receipt from District Engineer.

25th Aug 1859 No 2032

Call for further report as to the working of the Lithographic Presses supplied to certain Districts. Will be reported as early as possible.

21st Jun 17th Dec

25th Aug 1859 No 2034

Calling for certain information regarding the restoration of the Billahall Tank Engineer in Bellari District. In correspondence with the District Engineer.

27th Aug 1859 No 2060

Para 2. Requests that a survey and estimate be prepared and submitted for a road from Kmees to Kheest and the Kheest Station. Awaiting receipt from District Engineer.

Para 5. Desires to submit an estimate for a bridge to be built hereafter at Kheest in connection with the road from Kmees to Kheest.

27th Aug 1859 No 2066

Communicating from a Despatch from the Government and requesting that the report and a map shewing the roads for the construction of which proposals have been made, as also the existing means of communication between the Railway Stations and the neighboring Towns or Commercial Districts therein called for may be submitted at an early date. Map under review.

30th Aug 1859 No 2079

15th Nov 27th

Requesting to give as time for the completion of the accounts of the Disbursement dated 17th January 1860 for which an additional accountant and 150 Rupees a month has been recommended and that the Government hope to receive at an early date the report promised by Captain Pundall on the scheme of management and system of accounts. Note Chief Engineer to Government.

30th Aug 1859 No 1157

Para 2. Calling for estimates for opening a road into the interior to the westward, the Country lying on the North bank of River Kutta. Awaiting receipt from District Engineer.

20th 30th Aug 1859 No 1157 P. 3. Calling for and awaiting receipt
Estimate for improving the road from District
from the Town of Calungapattam Engineer.
to the Salt pans at Vimaravilly.

P. 4 Calling for an estimate for a road from the
Kampala Salt pans to Pattavelli.

21st 31st Aug 1859 No 1165 Reven.
Requesting the Deputy Chief Engineer Centreville to report fully what progress has been made up to the present time in the Madras Survey.
The Commandant of Eng^s was requested to place 1 or 2 young Engineers Officers under the Deputy Chief Engineer Centreville in view to the accuracy of the survey being tested.

23rd 2nd Sept 1859 No 2106 Para. 9 Requests to report whether it is necessary to keep up the Bezvada workshop. Those of Daulaiwaram are practically so near to them as they shortly will be by means of the Canal.
This subject has been referred for the report of the Deputy Chief Engineer.

26th 30th Aug 1859 No 1266 Estimate for revetting the banks of the Echin river in the District of Malabar.
Requesting to submit an estimate for revetting the banks of the Echin river in the District of Malabar.
Awaiting receipt from District Engineer.

5th Sept 1859 No 2132
5th Sept 1859 No 2133

Calling for Estimates for constructing lines and other buildings at London. Garden for the Sapper Militia. Estimates will be sent.

6th Sept 1859 No 2140 19th Sept 1859 No 2245 Para 4. Requests to report more fully as to the employment of Mr. Williams on the G. C. S. what work he has done for the D. O. P. Sec.

P. 5. Requesting to be informed whether Overseer M. Donough continues inefficient as reported by Mr. Fraser and whether he is still in the Dist.

8th Sept 1859 No 2183 Requesting to report the result of the arrangements made with the Commissary General for the adjustment of the amount sanctioned for the purchase of the steamer for the conveyance of Military Stores on the Coaveri.

12th Sept 1859 A. 2263
Requesting the Chief Engineer to report his opinion of information given after consulting the Collector District Engineer and District Engineer of Tanjore on the comparative cost and advantages of bridging the Kaveri River at Tirumala.

12th Sept 1859 A. 2263
Requesting to submit Estimate for the reconstruction from District of the (Horse) Piry attached Engineer to the temporary European Barracks at Trichinopoly.

12th Sept 1859 A. 2263
Requesting to be informed what has become of the proposal to build a tank from District at Calah in the Tanjore District.

20th Sept 1859 A. 2263 P. 6.
Requests to submit a report at the end of a year after the appointment of the Young Engineers and Subordinates engaged from Europe as to their conduct and qualifications.

20th Sept 1859 A. 2263

Requests to recommend the services of another Officer in lieu of an Officer and Lieutenant Vertue for examining the Kibber and Hynezungarins.

22nd Sept 1859 A. 2266

Requesting to report in communication with the Board and shortly of Perinne and the Collector of Malabar on the subject of the removal of the treasury from Tellicherry to Cannanore.

20th Sept 1859 A. 2262
12th Decr - - - 2266

Requesting to submit Plans and Estimates for the new Canal between Piam and under the Adyar and the Canal from the Medical College at the South East end of Teluk Swamp to the Light House.

26th Sept 1859 A. 2300

Requesting to state how many of the Dredges and tugs are now being actually worked, and where, and that the Govt hope to receive Mr. Kennedy's report on the Dredges under his care at an early date.

28th Sept 1859. No 2325

P. 7 Calls for a report on the District Sub Overseer Dargajee Roussee and Engineers report - duct and qualifications.

P. 8. To explain how the Chief Engineer would propose to furnish the necessary practical departmental knowledge to Military Officers not Engineers when admitted into the Department.

Memorandum.

Years	Number of information from the Provinces	Published to or disposed of by Chief Engineer	To be disposed of in Civil Office	Experiences held in abeyance	Total
1855	"	1	2	2	5
1856	4	"	1	4	9
1857	21	1	1	4	27
1858	33	1	5	2	41
1859	78	4	9	2	93
	136	7	18	14	175

Central Office of C.E.
Cantonment
31st January 1860
B. Allaway

W. Bell
Chief Engineer

Periodical Returns due from the Central Office

Particulars	Remarks
<u>Annual</u>	
Statement of Works of public utility	submitted
Administration Report	do
Report on the Progress of Public Works	do
General Report on the operations of the Department	do
Budgets	do
Statement of Boat traffic on the Godavari and Krishna Channels and the East Coast Canal	do
Returns of Establishment	do
List of Architectural Remains	Will be submitted shortly
Report on the effects of the cutting from the Saravali lake immediately after the North East monsoon	Will be sent at the proper time

<u>Quarterly</u>	
Nominal Roll of registered Candidates for Assistant Overseers	submitted
Returns of Dismissals and Suspensions	do
- Do - of Fines	do
- Do - of the Warrant Officers in the D. O. H.	do

<u>Bimonthly</u>	
Statement of Decreases in the Public Works Establishment	do

1860 Depart^{re}

Enclosure in a letter from the
Chief Engineer to the Secretary to
Government, Department Public
Works, dated 27 January 1860.
N^o 9815

000296/60.

List of Orders of
Government of more than three
Months standing remaining
unanswered in the Central
Office of Public Works on the
30th September 1859.

Public Works Dept

No 489
Proceedings of the Madras Government
Under date the 6th March 1860.

Read the following
letter from the Chief Engineer.

Here enter 31st January 1860
No 9815

With this letter the
Chief Engineer submits a
list of unanswered references
for the half year ending 31st
December 1859.

2 The Government
observe that the following
papers which have not been
replied to, or otherwise dis-
posed of, have been omitted
from the list without explanation.

P. W. No 1789. 26 July 1859 } To consider whether small
Dora 4 } Hoes and tools in ordinary
use.

use such as Pickaxes &c may not be either manufactured at Dowlaisheveram and Sigaara, or purchased in the local markets instead of indenting on the Home Authorities.

Ed Works No 2295. 24. Sept 1859. To report on the proposal to make the Treasury building at Calicut defensible.

Revenue - " 677. - 17. May - To report with reference to Lieutenant Taylor's communication on the Grand Forest on the best measures for bringing down the Timber to the Coast.

3 Of the papers entered in the List, the Government proceed to pass orders on those specified below.

No 1178. 17. June 1857
" 1373. 18. July "
" 564. 4. August "
Requesting that an Officer may be deputed to ascertain and estimate for a line up the River Chouk.

Agreeably to the Chief Engineer's request and with reference to the Proceedings of Government 12th

12th July 1859 No 1688 The orders noted in the margin will be omitted for the future from the unanswered reference list.

No 288. 31st January 1859. Calling for an estimate of the cost of ^{the} additions stated to be required to the temporary European Barracks at Vallat.

This order may be omitted. In submitting the Bill the order authorizing the work must be quoted.

No 845. 11th April 1859. Requesting the submission of revised statements of the sum proper to be allowed for repairs in the several Districts.

This subject having been disposed of in the Budget may be omitted.

No 864. 15th April 1859. To report whether assistance for the completion of the Barracks may not be obtained from the Officers and Men or from soldiers of the Regiment at Suchetallu for extra pay.

This order may be omitted.

No 965. 21st April 1859. Calls for an Estimate for building a Church at Suchetallu.

Superseded by later orders and may be omitted.

No 1507. 18th June 1857.

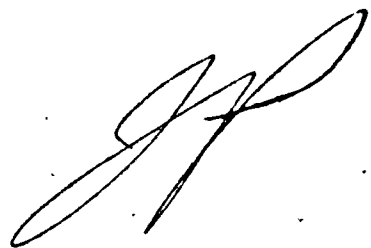
Respecting the amount
of toll on the Cochranet
Canal due by the Mexici-
-an Commissioners.

This question having
been disposed of by the
Orders quoted by the Chief
Engineer this reference may
be omitted.

No 1165. 31st August 1857.

To report on the progress
of the Mackinac Survey.

This Order of the
28th October 1854 No 1165
having placed this survey
under the Director of
Mexican Settlement and
Superintendent of Survey,
this reference to the Chief
Engineer will be omitted
in future lists.



1 Copy to the Chief Engineer
Disb: 7.

FORT ST. GEORGE,
6th March 1860.

From
T. PYCROFT, Esq.,
Chief Secretary to the Government of Fort Saint George,

SIR,

For clearing Shoals between Dowlaishwaram and Buddrachellum ...	3,000
For building two light boats, to be employed in exploring the Godavary and its tributaries.....	12,000
Rupees	15,000

• Wooden hull, copperd and fitted with cabins.....	3,500
Placing machinery on board.....	2,500
	Rupces.... 6,000

3. As under the circumstances it appeared highly expedient to put Captain Haig in present possession of means to enable him to make preparations for entering on the proposed work at the proper season, this Government deemed it necessary to place the above-mentioned sum of 15,000 Rupees at his disposal at once; and they now beg to express the hope that their proceedings will meet with the approval and confirmation of the Supreme Government.

Sir,

(Signed) T. PYCROFT,

Exd. W. Thomas.

was never acted on. Capt. Raiglen

Public Works Dept
No 488.
88

To
The Secretary
Govt of India,

Sir,

1. I am directed to report
for the ^{approval & confirmation} ~~confirmation~~ of the Govt
of India, the proceeding of this
Govt in sanctioning on the strong
recommendation of Capt Raig,
supported by the Chief Engr,
two sums of money in connection
with the Godavery river, amounting
together to 15,000 Rs as follows.

For clearing shoals between
Dowlaispeta and Badrachellam. 3,000
For building two light boats, to
be employed in exploring the
Godavery & its tributaries. — 12,000
Rs 15,000.

2. The first of these items
was sanctioned by the Govt of
India in Capt Giles's letter of the
8th Dec/57, No 5922; but this sanction
was never acted on. Capt Raig now

Ag

W. A. C.

U. A.

Headquarters.

applies for it, to enable him to remove certain shoals occurring in the river bed between Dowlaishwarum and Badrachellam, which offer great impediment to the passage of the steamers, so much so indeed that one schooner alone above the mouth of the Sibberu caused serious injury to the most important of the steamers plying on the river. As this sum is not included in the budget, it requires the special sanction of the Govt. of India.

The second sum of 12,000 Rs is required for building two light boats for the present at 6000 Rs each. It is proposed to fit these boats with the engines and boilers of certain iron steamers built by Messrs. Forrester and Co, and originally intended for the East Coast Canal but now lying at Dowlaishwarum, and to employ the vessels

* Wooden hulls, coppered and fitted with cabins — 3,500.
Placing machinery on board — 2,500
Rs 6,000.

thus fitted in exploring the Godavari very proper, the Pranhita, and its tributaries the ^{Ganga} Wyne and Pyne Ganga. Two parties, if possible, are to be engaged in the exploration, ^{because} ~~for the reason that~~ the time during which the obstructed parts of these rivers are navigable is probably very short, limited only to the periods of high freshes; and one party might not therefore have time to accomplish the whole tour. For the same reason, steamers must be employed instead of paddle boats, as the latter have neither speed enough to get over the distance to be traversed within the time available, nor power to stem the currents in rocky and confined places. Again, none of the steamers that are or have been afloat, even if they could be spared, are considered suited to the service in view, either in point of size or speed. So also the small canal boats, whose engines it is proposed

to use, are thought to be unsuitable to the navigation of the river in its present state, both in point of speed and draught of water; but Capt Haig is of opinion that the same motive power placed in properly constructed hulls would give a higher speed with less immersion. Hence his proposal to build wooden hulls ~~in order to~~ to obtain a light draught for the special purpose in view, in furtherance of which the boats are to be coppered in order to reduce the surface friction to the lowest possible amount.

As under the circumstances it ^{appeared} ~~was~~ highly expedient to put Capt Haig in present possession of means to enable him to make preparations for entering on the proposed work at the proper season, this Govt deemed it necessary to place the aforementioned

sum of 15,000 Rs ^{65^{ms}} at his disposal at once; and they now beg to express the hope that their ~~having done so will~~ ^{proceedings} meet with the approval and confirmation of the Supreme Govt.

JR

Fort St. George
6th March 1860

Copy in John to copy
of 25th Aug 1885

Public Works Dept
Proc of 25th 1885

1885

At the Secretary's
Office of the
Dept of the Interior

From Dr. J. S. May 1885
1885

(The following the orders
of the Secretary of the
at the disposal of the
to be expended in
in forming the navigation
of the Foreman and in
constructing two boats for
exploring it and its
resources)

No 84-