No. ~~2059~~ 2060 E C W/ th December/84

Memorandum.

On the occasion of the Chief Engineer's recent visit to Cannanore, verbal instructions were given to the E. E. West Coast Division, and to Mr. Asst. Engineer Marjoribanks, to prepare & submit with the least possible delay a plan & estimate for a small landing jetty for boats, to be erected on a site which was pointed out, to the east of the old Fort.

General details as to the form of structure, and as to its dimensions, were given to Mr. Marjoribanks, — and the S. E. IV Circle is now requested to secure the submission of the required plan & estimate before Mr. Marjoribanks leaves Cannanore, and to forward the same for sanction at the earliest possible date.

To
The Supdg Engr IV Circle

de
17/12

No 2060C of 12-12-84

1885.

P. W. DEPARTMENT.

Current No. 281

From The Sup Engr IV Circle

ENCLOS.—

No. 4/EW

Dated 10-1-85

Received 13-1-85

SUBJECT.

Pier or Jetty in the Cannano Harbour — forwarding pla & estimate &c for building a — amounting to Rs 10,24

DISPOSAL.

No. 101C Dated 16th January

Referred for the approval of Government in the Marine Department,

(Sd) J.S.S

W

To 21/1

To The Marine Deptt, with Copy of Memo No. 20

Despd 16-1-85

W.

Estimate of Rs. 10,244 for a boat jetty at Cannanore.

Verbal instructions were issued by you when on tour for the preparation of this project.—

Broader & shallower steps might perhaps be more convenient than those designed (1ft. rise & 1ft. tread), and I am not sure that it would not be better to turn them the other way.

I presume the project should go to the Marine Dept. for approval.

S.E. IV. appears to attribute blame to Mr. Marjoribanks for delay in the preparation of plan & Estimate. The A.E. was asked to submit them at earliest possible date.

CW.

16.1.85

Better send at once to Marine Dept. for approval

16.1.85

I. The beams seem to me rather weak for such a situation & for a span of 20 ft. What would they carry with safety?

CJ.
14.1.85

D.W.

I take the beams as ~~fixed~~ supported at both ends.

For 1 beam, 20'×8"×10",

$W = \overset{2}{\cancel{3}}\frac{p.b.d^2}{l}$, weight uniformly distributed. (p = 880 lbs.)

$W = \overset{2}{\cancel{3}}\frac{880 \times 8 \times 10^2}{20} = \overset{70,400}{\cancel{105,600}}$ lbs

∴ for 5 beams

$W = 5 \times \overset{70,400}{\cancel{105,600}} = \overset{352,000}{\cancel{528,000}}$ lbs.,

substract weight of timber 7,050 lbs., then

$W = \overset{352,000}{\cancel{528,000}} - 7050 = 344,950$ lbs.,

factor of safety = $\frac{1}{10}$,

then the weight which may be safely carried

= 34,495 lbs = 15½ tons, nearly

Timber = 5×(20'×8"×10") + 20×(5'×1'×3") = $\frac{1175}{9}$ c. ft.

(1 c. ft. weight = 54 lbs.)

∴ Weight of timber =

= $\frac{1175}{9} \times 54$ = 7,050 lbs.

BH
15/1/85

1657W

Public Works Department, 1884-85.

Current No. 281

Letter No. $\frac{4}{E.W.}$

Dated the 10th January/85.

From the S.E. IV Circle

NOTE OF REMARKS.

1. The accompanying plans and estimate provide for constructing a pier or jetty in the Cannanore harbour. The estimated cost is Rs. 10,244.

2. The length of the proposed jetty is 195 feet, the width at surface, 15 feet – except for the last 20 feet, where the width is 20 feet.

3. The jetty is to be formed of six piers connected with wooden beams covered with planking. The first five piers are in horizontal section 15 feet square, and the end, or furthest from shore, pier, 20 feet square.

All masonry work up to H.T.L. is to be of laterite

in cement; above H.T.L. it
is to be of laterite in surki.
The foundations of the 3^{d}, 4^{th},
5^{th} and 6^{th} piers are to be
of laterite blocks set close
together – the interstices to
be filled in – and the top
surface to be coated with
½ inch depth of cement. Each
of these four piers is to have
a flight of steps on either
side.

4. The piers are 20 feet apart
and are connected one
with another by 5 beams, each
(24'×8"×10"), on which rest the
planks, each 15'×1'×3".

5. One 2 ton crane has been
provided at an estimated
cost of Rs. 1,000.

6. The top surface of the
jetty is to be 4½ feet above
H.T.L. – It may be noticed
no railings have been
provided.

7. The plans and estimate
have been well prepared.

14^{th} Jan. /84
JBH

9th February 1885, No. 305 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

From Colonel J. BEATTY, R.E., Superintending Engineer, IV Circle, to the Chief Engineer, Public Works Department, dated Coimbatore, 10th January 1885, No. 4 E.W.

With reference to your memorandum No. 2060 C., of 12th ultimo, I have the honor to forward, herewith, the plans and estimate, amounting to Rs. 10,244, prepared by the Assistant Engineer at Cannanore for a jetty proposed to be built at that station, together with Mr. Marjoribank's explanation of the delay that has occurred in its submission.

2. I regret that the Assistant Engineer considered himself justified in attending to other duty, and even leaving Cannanore for Mangalore, without carrying out the instructions given him to lose no time in submitting this estimate. This, you will observe, has been the cause of delay.

No. 101 C., Public Works.

Referred for the approval of Government in the Marine Department.

Chepák, (Signed) J. SHAW-STEWART, Colonel, R.E.,
16th January 1885. Secretary to Government.

From J. H. TAYLOR, Esq., Lieut., R.N.R., Master Attendant, Administrative Department, to the Chief Secretary to Government, dated Madras, 23rd January 1885, No. 524.

I have the honor to return the plans, estimate and correspondence relative to the construction of a boat jetty at the port of Cannanore, forwarded with your endorsement, No. 136, dated 21st instant, and to state that the work will be a great acquisition to the port, while the cost, namely, Rs. 10,244, can be met from the available balance of Port Funds.

2. The plans and estimate are, as usual, returned countersigned by me.

No. 305, Marine.

Approved and transferred to the Public Works Department.

(Signed) E. F. WEBSTER,
6th February 1885. Chief Secretary.

Order—dated 9th February 1885, No. 305 W., Public Works.

The estimate, amounting to Rs. 10,244, for constructing a boat jetty at the port of Cannanore, is sanctioned.

2. The Superintending Engineer, IV Circle, will report, as early as possible, what sum can be spent on the work during the current official year. On receipt of that information, application will be made to the Financial Department for the requisite allotment of funds.

3. This sanction has been registered as Excluded Local No. 54 W. of 1884-85, and classified as Miscellaneous Public Improvements, Original Works.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
" Examiner, Public Works Accounts, with copy of abstract estimate.
" Marine Department.
" Financial "

Exd. E. Fernandez.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated February, 9th.

Recd. *Encl.*

G.O., 9th Feb. 1885, No. 305 W.

FEBRUARY.

Boat Jetty at the Port of Cannanore

Estimate for —, sanctioned with remarks.

No. 4
E.W.

Supg: Engineer's Office 4 Circle
Coimbatore 10th January/85

From,

The Superintending Engineer
4th Circle

To,

The Chief Engineer
Public Works Department

Sir,

Enclosures. 5
2. Plans.
1. Estimate with Specification.
1. Letter No. 308 of 3rd January/85 from Cannanore Sub Dl. Officer to the Ex: Engr.
5

With reference to your memo. No. 2060 C of 12th Ultimo I have the honor to forward herewith the plans and estimate amounting to Rs. 10,244 prepared by the Asstt. Engineer at Cannanore for a Jetty proposed to be built at that station, togather with Mr. Marjoribank's explanation of the delay that has occurred in its submission.

2. I regret that the Assistant

Assistant Engineer considered himself justified in attending to other duty and even leaving Cannanore for Mangalore without carrying out the instructions given him to lose no time in submitting this estimate. This you will observe has been the cause of delay.

I have the honor to be
Sir,
Your most Obt. Sert.

J. Beatty - Colonel &c
Superintending Engineer 1st Circle.

p2 Ckepall
16th January/85

No. 101 C

Referred for the approval of Government in the Marine Department.

J. Mawtunt
16.1.85 Colonel R.E.
Secy to Govt P.W.D.

To the Marine Dept, with copy of memo No 2060 C/12-12-84

From

The Supg. Engineer
IV Circle

13 JAN 85

Dated 10th
Despd.
Recd.
} January 1885.

No. 4
E. W.

Enclosures. 5.

Pier or Jetty in the Cannanore Harbour

Forwards Plan, Estimate &ca amounting to Rs 10,244 for building a — & explains the delay in the submission of estimate &ca

Endorsed

Memo No. 2060 C. d/12th Decr/84

Memo

On the occasion of the Chief Engineers recent visit to Cannanore, Verbal instructions were given to the E.E. West Coast Division, and to Mr. Asst Engineer Marjoribanks, to prepare & submit with the least possible delay a plan & estimate for a small landing jetty for boats, to be erected on a site which was pointed out, to the East of the old Fort.

General details as to the form of structure, and as to its dimensions, were given to Mr. Marjoribanks, and the S.E. IV Circle is now requested to secure the

the submission of the
required plan & estimate
before Mr. Majoribanks
leaves Cannanore, —
and to forward the same
for sanction at the
earliest possible date.

(Signed) J Shaw Stewart Coll. R.E
Chief Engr P.W.D.

Administrative Department.

No. 524

MADRAS,
Marine Office,
25 January 1885.

From
J. H. TAYLOR, Esq., Lieut., R.N.R.,
Master Attendant,
Administrative Department,
Madras,

To
The Hon'ble C. Forster Webster
Chief Secretary to Government,
Marine Department,
Fort St. George.

Sir,

I have the honor to return the plans, estimate, and correspondence, relative to the construction of a boat jetty at the port of Cannanore, forwarded with your endorsement No. 136, dated 21st instant, and to state that the work will be a great acquisition to the port, while the cost, viz Rupees (10,244) ten thousand two hundred and forty four, can be met from the available balance of Port Funds.

2 The plans and estimate are, as usual, returned countersigned by me.

I have the honor to be
Sir
your most Obedt Servant
J H Taylor
Master Attendant
Administrative Department

p4

7 FEB 85

M/ No. 305 of [illegible] /85

Approved: and transferred to the P.W. dept.

F. W. Webster
Chief Secy
28/1

Marine (1885) DEPARTMENT. No. 60.

From

THE MASTER ATTENDANT,
ADMINISTRATIVE DEPARTMENT,
Madras,

To

THE CHIEF SECY. TO GOVERNMENT,
MARINE DEPARTMENT,
Fort St. George.

No. 524

Dated 23 } January 1885.
Received 24 }

No. 42 [illegible]
Encl. 2

Subject.

Approves of the construction of a boat jetty at Cannanore.

5/

Endorsed

Abw 30/1/

42

22 JAN. 85

1885.

Public Works Department.

G.O. No 305 W.

Copy of the Abstract estimate for the Examiner to be made plain.

B.P.

16 C
4/2

No. 101C.
Dated 16th January 1885
Despatched
Received 17

Enclosures only two plans

SUBJECT.

Referring for approval plan & Estimate for building a Pier or Jetty in the Cannanore Harbour

No 136 d/ 21 Jany/85

Forwarded to the Master Attendant for report

R A Benson
for Chief Secy

17/1

C. No. 1108

P. W. Secretariat.

Note by Budget Section.

Work	Building a ~~pier or~~ jetty in the Cannanore Harbour.	Remarks and References.

Fund Local
Service Head (Excluded) ... ... Mis. Public Improvements
Departmental Head Original..Works.

Amount of Estimate	Rs.	10,244
Expenditure in previous year ...	"	"
Allotment in current year	"	"
Balance required to complete ...	"	"
Total Rs...		10,244

Note of available funds.

There are no works under Excluded Local Funds proposed for execution by the P. W. Deptt. during 1885-86. The question of funds for this work may be referred to the Financial Deptt.

Budget Clerk.

7/2.

Note by Budget Section.

A

Form No. 22.

No 305 W

Buildings & Roads
Civil works.

PUBLIC WORKS DEPARTMENT,

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the 9th Febry: /85.

READ the following:—

Letter from the S.E. IV Circle (S.E. No 4/E.W. d/ Jany 10th 1885)

Letter from the Master Attendant Administrative department (" " 524 d/ " 23d " ")

Endt. thereon by the ~~Judicial~~ Marine dept. (" " 305 d/ Feb: 6th ")

5

The estimate amounting to Rs 10,244/-, for constructing a boat jetty at the port of Cannanore, is sanctioned.

2. The Supdg. Engineer IV Circle will report as early as possible what sum can be spent on the work during the current official year. On receipt of that information, application

will be made to the Financial department for the requisite allotment of funds.

3. This sanction has been registered as Excluded Local No. 54 W of 1884/85 and classified as Misc: Public Improvements — Original Works.

CW.
9.2.85

WS
9.2.85

5 — 184
15 W

S.E. IV Circle with ~~4~~ 5 Enclosures,
Ex. P.W. Accts with copy of abst. Est.
Marine department
Financial — do

Cw

Dw
W

1108

Govt. of 1885 Madras.

PUBLIC WORKS.

Dated 11/2/85

Recd. Encl.

G.O., 9 Feb 1885, No. 305 W

~~Boat~~

Boat jetty at the port of Cannanore

[illegible] —; sanctioned with remarks

80/6

Sd 10/2

P W Deptt

Madras 2nd March/85

No. 413 C

C No. 1807

Telegram from the Superintending Engineer IV Circle d/ Coimbatore February 27th 1885: —

G.O. 305 W. Rs 2000 required for current year for boat jetty

Transferred to the Financial Deptt for the necessary appropriation of funds.

The sum required is shewn below: —

Works	Rs 2,000
Establishment	" 460
Tools & Plant	" 20
Total	Rs 2,480

(sd) C.B.

D.W.

To The Financial Deptt with telegram.

Sd 2/3/85

G.O. 305 W 19-2-85

No. 413 C 12-3-85

Appendix to G.O., No. 1659 W., dated 15th July 1885.

STATEMENT showing Incomplete Local Fund Works of 1884-85 and New Works sanctioned but not commenced requiring funds.

Division.	Item No.	Name of Work.	Amount of Estimate.	Number and Date of Sanction.	Past Expenditure.	Balance of Estimate.	APPROPRIATION REQUIRED.				Item No.	Remarks.
							For Work.	For Establishment.	For Tools and Plant.	Total.		
1	2	3	4	5	6	7	8	9	10	11	12	13
		LOCAL INCORPORATED.	RS.		RS.	RS.	RS.	RS.	RS.	RS.		
Godávari Eastern.	1	Constructing an iron lattice girder bridge at Venkatakrishnapuram lock, Sámalkót canal.	5,550	1976 W., dated 12th August 1884.	1,106	4,444	4,444	1,022	44	5,510	1	
Tanjore ..	2	Formation of a road along the left bank of Vennar, 52 to 58 miles, from road No. 39 to join road No. 90.	8,423	....	4,721	3,702	1,224	281	12	(a) 1,517	2	(a) Rs. 3,073 provided from reserve.
Tinnevelly ..	3	Raising the right bank of the Athur channel	1,864	2445 W., dated 3rd October 1884, and 87 W., dated 10th Jan. 1885.	1,076	788	788	181	8	977	3	
		Total ..	..	....	..	..	6,456	1,484	64	8,004		
		LOCAL EXCLUDED. *Port Fund.*										
Ganjam ..	1	Iron pier at Gopálpur	2,30,903	3069 W., dated 13th December 1884.	..	2,30,903	1,00,000	23,000	1,000	1,24,000	1	
Vizagapatam ..	2	Repairs to Santapilly light-house	..	....	..	..	50	12	1	63	2	
Buckingham Canal.	3	Lump sum for minor works, miscellaneous public improvements.	..	....	..	..	2,000	460	20	2,480	3	
Do. ..	4	Lump sum for repairs do. do.	..	....	..	..	1,500	345	15	1,860	4	
Godávari, Eastern.	5	Improvements to Marine Villa at Cocanada	7,700	2773 W., dated 6th Nov. 1884.	4,894	2,806	2,806	645	28	3,479	5	
West Coast ..	6	Constructing a boat jetty at the port of Cannanore ..	10,244	305 W., dated 9th Feb. 1885.	1,916	8,328	8,328	1,915	83	10,326	6	
Do. ..	7	Constructing groynes and rebuilding revetment for the town of Ponáni.	4,175	2492 W., dated 8th Oct. 1884, and 442 W., dated 25th Feb. 1885.	486	3,689	3,689	848	37	4,574	7	
Presidency ..	8	Constructing a store-shed for the storage of petroleum and other combustibles on the beach south of the Madras harbour.	8,140	9 W., dated 5th Jan. 1885, and 270 W., dated 4th Feb. 1885.	2,705	5,435	5,435	1,250	54	6,739	8	
		Total, Port Funds ..	..	....	..	..	1,23,808	28,475	1,238	1,53,521		
		University Fee Fund.										
Architect ..	9	Providing an office for the assistant registrar and improving the ventilators of the tower of the Senate House.	1,036	Registrar's No. 3, dated 9th April 1885.	152	884	884	203	9	1,096	9	
Do. ..	10	Closing the vaults of do.	2,600	Do. No. 324, dated 21st Jan. 1885.	941	1,659	1,659	382	17	2,058	10	
Do. ..	11	Repairs to do.	1,264	Do. No. 3, dated 9th April 1885.	24	1,240	1,240	285	12	1,537	11	
		Total, University Fee Fund ..	..	....	..	..	3,783	870	38	4,691		
		Total, Excluded Local ..	..	....	..	..	1,27,591	29,345	1,276	1,58,212		
		Grand Total ..	..	....	..	..	1,34,047	30,829	1,340	1,66,216		

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From the Superintending Engineer, I Circle, dated 27th May 1885, No. C/56.
" " " II " " 16th " " " 56 G.L.
" " " IV " " 16th " " " 200 E.W.
" " " V " " 15th " " " 649.
" " " V " " 15th " " " 653.
" " " VI " " 26th " " " 32 C/T.J.
" Consulting Architect to Government, " 11th " " " 191.

Order—dated 15th July 1885, No. 1659 W., Public Works.

In the papers read above, the Superintending Engineers and the Consulting Architect apply for funds under "Incorporated and Excluded Local Funds" on account of incomplete works of 1884-85, and new works and petty repairs proposed for execution during the current year.

2. The demands are as follow :—

	RS.
Incorporated Local Funds.	
Incomplete works, inclusive of establishment and tools and plant charges	11,077
Excluded Local Funds.	
Incomplete works and repairs, inclusive of establishment and tools and plant charges	34,212
Major works, new, do. do.	1,24,000
Total ...	1,69,289

3. A sum of Rs. 1,00,000, or Rs. 1,24,000 including charges for establishment and for tools and plant, is proposed to be spent on the construction of an iron pier at Gopálpur. As this work has been ordered to be executed on contract, provision of funds is necessary.

4. The reserve with Government, under Incorporated Local Funds, is Rs. 3,073. This amount is appropriated, as shown in the margin, towards meeting in part the demands now made; and the Financial Department will consider the question of allotting the difference, aggregating Rs. 1,66,216, and of placing the amount as early as practicable at the disposal of the Public Works Department.

Formation of a road along the left bank of Vennár, 52 to 58 miles, from road No. 39 to join road No. 90.

	RS.
Works	2,478
Establishment	570
Tools and plant	25
Total ...	3,073

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" " " II "
" " " IV "
" " " V "
" " " VI "
" Consulting Architect to Government.
" Examiner, Public Works Accounts.
" Financial Department.
" Marine "
" Revenue "

Exd. E. Fernandez.
Spare Copies

Report of contract exceeding Rs 2000 entered into by the Executive Engineer West Coast Division, and submitted for the acceptance of the Superintending Engineer under paras 1105 and 1107 of P. W. Code.

Name of work	Amount of Estimate	Nature and amount of security offered	Penalty fixed for breach of Contract	Time within which the works is to be executed	Mode in which Tenders were invited	Names of Contractors	Remarks
Constructing a Boat Jetty at the Port of Cannanore.	10,244	Ten per cent deduction on all payments.	To forfeit the above deduction	15th September 1885	The work was first commenced departmentally, but afterwards the services of contractors were procured and the work was given to them	Olleth Poker and Ovndagath Oomer Cooty.	

Calicut
19th August 1885

Enc: 3
1. Schedule Contract
1. Printed Conditions
1. Schedule of Rates

R. W. Thompson Col. R.E.
Executive Engineer

GENERAL.
ACCOUNT.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated July, 15th.

Recd. Encl.

G.O., 15th July 1885, No. 1659 W.

JULY.

Funds

· Orders on applications for —, under Incorporated and Excluded Local Funds, on account of incomplete works for 1884-85 and for minor new works and petty repairs to be carried out during 1885-86.

No 352
C.W.

Forwarded to the Chief Engineer P.W.D. for information.

F. Beatty Col. R.E.
Supdg Engineer
4th Circle

Coimbatore
25th August/85

No. 595 W.C.
22 AUG. 85
P.W.D.
FOURTH CIRCLE

From
The Exec: Engineer
West Coast Dn

Dated 19th } August/85
Recd }

No 455

Enclosures. three

Boat Jetty. Cannanore

Forwarding for approval Report of Contract entered into. with Contractors Olieth Poker and O. Oomer Cooty for Cousty —

Inw 7540

No. 1448 C a/ 2d Septr/85

C

Recorded

Recorded

Cl.
28.8.85

31.8.85

From

The Superintending Engineer
Fourth Circle

Dated 25th } August 1885.
Despd 26th }
Recd 28

No. 352
E.W.

No. 1448 C a/ 2d Septr /85

Boat Jetty at Cannanore.

~~Forwarded for information~~
the Report of Contract exceeding
Rs. 5,000 entered into by the Executive
Engineer West Coast Dn and
approved of by the Supg. Engr
for Constructing a ——

Jd 1079

O.&S. 128/8.
O-28-8-85 R. 2.9.85

7th November 1885, No. 2657 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following letter from J. H. TAYLOR, Esq., Lieut., R.N.R., Master Attendant, Madras, to the Chief Secretary to Government, dated Madras, 23rd September 1885, No. 7907:—

In G.O., No. 305 W., dated 9th February 1885, the Government were pleased to sanction an estimate, amounting to Rs. 10,244, for constructing a boat jetty at the port of Cannanore. Colonel Ross Thompson, R.E., Superintending Engineer, IV Circle, has now forwarded a revised estimate amounting to Rs. 12,130. It was found in carrying out the work that the cost of laterite in chunam exceeded the sum estimated, and that owing to the cement being so often washed away nearly double the quantity had to be provided; a larger and more costly kind of stone was used, and no provision was made for beams and planks in the previous estimate. An excess of Rs. 1,886 was thus incurred, and I have the honor to solicit sanction to the same, the amount being debited to Port funds.

2. The letter from the Superintending Engineer, IV Circle, No. 266 M., dated 6th September 1885, together with the estimate and other papers, are herewith submitted.

Enclosure.

From Colonel ROSS THOMPSON, R.E., Officiating Superintending Engineer, IV Circle, to the Master Attendant, Madras, dated Vayitri, 6th September 1885, No. 266 M.

I have the honor to forward, for transmission to Government for sanction, a revised estimate, amounting to Rs. 12,130, for constructing a boat jetty at Cannanore, together with a plan, report and specification.

2. The cause of excess over the original estimate is explained in the report as well as in the comparative statement accompanying.

3. A sum of Rs. 8,328 has been granted in G.O., No. 1659 W., dated 16th July last, and I therefore request that a further allotment of Rs. 1,886 may be applied for in forwarding the estimate.

No. 1758, Marine.

Approved and transferred to the Department of Public Works, with the remark that, in the opinion of Government in this department, the reasons for an inadequate estimate having been submitted in the first instance do not appear satisfactory.

(By Order.)

(Signed) J. D. REES,
Under Secretary.

Ootacamund,
7th October 1885.

Order—dated 7th November 1885, No. 2657 W., Public Works.

The revised estimate, amounting to Rs. 12,130, for constructing a boat jetty at Cannanore, is sanctioned in supersession of the estimate of Rs. 10,244 sanctioned in G.O., No. 305 W., dated 9th February 1885.

2. With advertence to the remarks in the Marine Department endorsement above recorded, it is observed that the original estimate only contemplated the provision of planking between the piers, and that the excess expenditure for which sanction is now asked is mainly due to an improvement in the design by carrying the planking over the masonry of the piers, which was not at first intended, but which adds greatly to the firmness of the structure, and has obtained approval in the Marine Department. The use of Portland cement accounts for the greater part of the remaining excess.

3. It is noticed that a two-ton crane, for which provision was made in the original estimate, cannot now be supplied as at first arranged.

4. The question of allotting the additional grant* required from Port funds will be considered in the Financial Department.

	RS.
* Works	1,886
Establishment	434
Tools and plant	19
Total ...	2,339

5. The sanction accorded in paragraph 1 of these proceedings has been registered as Local No. 21 W. of 1885-86, and classified as Miscellaneous Public Improvements, Original Works.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, IV Circle, with five enclosures.
„ Examiner, Public Works Accounts, with abstract estimate.
„ Marine Department.
„ Financial „

Exd. J. Henricus.
Spare Copies

BUILDINGS AND ROADS.
CIVIL WORKS.

Govt. of {1885} Madras.

PUBLIC WORKS.

Dated November, 7th.

Recd. Encl.

G.O., 7th Nov. 1885, No. 2657 W.

NOVEMBER.

Boat Jetty at Cannanore

Orders sanctioning revised estimate for a —.

Financial Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Proceedings of the Public Works Department, date
7th November 1885 No. 2657 W.

Order thereon 3rd December 1885 No. 1566 Mis.

The Accountant General will place the sum named Rs. (2,339) two thousand three hundred and thirty nine at the disposal of the Public Works Department from Port Funds.

(True Extract)

W. Wilson
Ag Chief Secretary

To

The Accountant General
" Public Works Department
" Master Attendant

No. 2917 W d/ Decr. 7. 1885

Commd. ~~to the~~ S.E. IV Circle and the Er. P.W. Accounts.

Communicated to the Examiner of P W accounts S.E. IV Circle and

4-12-85

B W/7/12

2607 W 7/11/85
305 W 7 9/2/85

S.E. IV Circle ✓
Er. P.W. Accts ✓
Despd 7-12-85.

14/12 10/12 15/12

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[6] Dec 10467

Govt. of {188 } Madras.

To

The P W D

SECRETARY TO GOVERNMENT
4 DEC 85
DEPARTMENT

Dec 4/12/85

Proceedings, dated 3/12/1885
No. 1566 Mr

Subject.

No. 2917 Wd/ Decr. 7. 1885

Directing Acct General to place the sum of Rs 2339 at the disposal of the P W Dept from Port funds for ~~Port~~ Boat Jetty at ~~Officers Bungalow~~ Camp Pamban

Docket not correct - S.F. 4-1885

With order

Marine Department.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following letter

from the Ag: Collector of Malabar dd 23rd July 1886, No. 622.

Not Correct.

Adverting to G.O. Marine Department, dd 7th June last No. 288 Mis referring to me for remarks, a proposal for the utilization of the boat jetty at Cannanore by the Native Merchants, I have the honor to inform you that the Superintendent of Sea Customs, Cannanore, reports that the merchants consulted by him in the matter unanimously state that they can make no use of it. The distance of the jetty from their warehouses and the customs office was urged as an insuperable objection. None of the merchants, it appears, ever expressed a desire, to use the jetty; and this seems probable as the Superintending Engineer only refers to what 'some natives' told him regarding the sentiments of the said merchants.

2. As the merchants are not inclined to use

use the jetty, it is unnecessary to consider the question of prescribing a tariff

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Order thereon of 29th July 1886 No. 419 Mis.

Communicated to the Public Works Departmt and the Port Officer, Madras,

(True Extract)

Under Secretary

To.

3. The Port Officer, Madras.

The Public Works Department

K.B.

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P w

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2657

305 u

No. 2917 [illegible]

B. No 2917 W. 7.12.85
G.O. 2657 W. 7.11.85
No 1448 C. 2.9.85
G.O. 1659 W. 15.7.85
No 413 C. 2.3.85
G.O. 305 W. 9.2.85
No 101 C. 16.1.85
" 2060 C. 12.12.84
No. 2055 [illegible] August/86

Com^d. to the Sup^g Eng^r. IV C. for information

Com^d. to the Sup^g Eng^r IV C. for information.

10/8/86

12.8.86

his No. 524 [illegible] the Port [illegible] stated that [illegible] should be [illegible] the port. The port [illegible] port - not P.W. [illegible]

The site was fixed by the Marine authorities.

17/8/86

S. E. IV Circle [illegible]

S.E. IV C. 18/8/86

Jan 6/8

Ops. 45/8.

19/8

21/8

SWC No 6148

[6]

Govt. of {188 } Madras.

(9)

To

The PW Dept

Recd. 9.8.86

Proceedings, dated 29/7/ 1886.

No. 419

Subject.

No 2056 [illegible] August/86

Comg to the PW Dept & to the Port officer, Madras letter from the Collector of Malabar, informing that the merchants state that they can make no use of the Boat-jetty at Cannanore

Entered