M.R.O. I—10,006—28-2-50.

(1) Number of pages _____

(2) Date of repair _____

(3) Initials of the Referencer _____

MADRAS RECORD OFFICE

Government of Madras

Public works. DEPARTMENT

G.O. No. 3045 Press
~~B.P. No.~~ ~~Mis.~~
306-307

Dated 17-12-1873 ~~195~~

Not to be folded or roughly handled

No. 306. Read the following letter from Lieutenant-Colonel W. FAREWELL, Inspecting Engineer for Ports and Communications, to Colonel G. W. WALKER, R.E., Chief Engineer and Secretary to Government, Public Works Department, dated Chepauk, 12th November 1873, No. 357-20 :—

With reference to G. O., No. 603, dated 25th February last, placing Rupees 600 from Port Funds at the disposal of the Public Works Department, through Marine Department, for the preparation of the survey and soundings of the Vizagapatam Harbour, I have the honour to submit for your information a letter

1 Vizagapatam District Engineer's letter, No. 1,393, dated 28th October 1873.
1 Copy of Mr. Nordmann's letter, No. 220, dated 20th October 1873.
1 Copy of Estimate.
1 Do. of List of Recoveries, to be returned.

No. 1,393, dated 28th ultimo, from the District Engineer, Vizagapatam, forwarding a report from the Assistant Engineer, Mr. Nordmann, in charge of the operations; together with a revised estimate for Rupees 1,650 for the cost of the survey, and applying for an additional grant of Rupees 1,050; the expenditure contemplated seems to be necessary for the completion of the survey, etc., and I recommend that the additional sum required may be sanctioned and transferred from the allotment of new Potinghi Ghaut (Provincial Budget Item 112) if no funds can be made available from other sources.

2. A list of recoveries proposed to be made from the estimated expenditure (which would reduce the cost eventually to Rupees 1,091) is also enclosed, but the District Engineer states that such recoveries cannot be made within this year without great loss, and that the amount must therefore be actually disbursed and recovered next year.

From Major J. BEATTY, R.E., District Engineer, Vizagapatam, to Lieutenant-Colonel W. FAREWELL, Inspecting Engineer for Ports and Communications, dated Waltair, 28th October 1873, No. 1,393.

I have the honour to forward, herewith, Mr. Nordmann's estimate of the cost of the Vizagapatam Port Survey, accompanied by a report.

1 Copy of Letter.
1 Do. of Estimate
1 Do. of List of Recoveries.

2. Mr. Nordmann estimates the total cost at Rupees 1,650, and as the greater part of the work is now done and expenditure made, this will probably prove correct. The expenditure has been chiefly made under the following heads :—

I.—Establishment employed on the survey; Mr. Nordmann had none of his own, as he has not even been able to obtain an Accountant or Draughtsman yet for the ghaut works.

II.—Setting up and registering tide gauges.

III.—Setting up three buoys; two large iron buoys were lent to the work from Cocanada, and the third was a large cask.

IV.—Erecting stone bench-marks at several points along the water boundaries surveyed.

V.—Boats employed in the soundings.

3. Owing to the peculiar nature of the work, and the limited period Mr. Nordmann had to do it in, he has found it necessary to exceed the sum provided by Government before sanction could be obtained to a supplemental grant. This is, of course, irregular, and would not have been allowed if it could have been avoided.

4. Mr. Nordmann has done all that was possible in the time, and has left Waltair *en route* for Potinghi. I shall send you his plans and report upon them as soon as copies have been made, and shall then report further on the subject.

5. Meantime I have to request you will be so good as to make the necessary application to Government for the supplemental grant of Rupees 1,050, required to meet payments due and for the completion of the work.

6. The proposed recoveries, which will eventually reduce the cost of the survey to Rs. 1,000, cannot be made within this year without great loss.

From K. F. NORDMANN, Esq., Executive Engineer on special duty, Jeypore Ghaut Works, to Major J. BEATTY, R.E., District Engineer, Vizagapatam, dated Waltair, 20th October 1873, No. 220.

In continuation of my letter, No. 219, dated 16th instant, regarding the additional allotment required to cover the cost of the Vizagapatam Port Survey and Soundings, I have the honour herewith to submit an estimate, amounting to Rupees 1,650, showing :—

I.—Expenditure already incurred.

II.—Payments now due for work done and articles purchased.

III.—Work remaining to be done.

IV.—Recoveries to be effected hereafter by the sale of chains, anchors, etc., and by transfer of stone bench-marks to roads and irrigation works.

It is to be observed, however, that these eventual recoveries do not affect the amount of the estimate at present, as the whole of that amount must first be actually disbursed before the time for making recoveries begins.

2. Intimation of the prospective excess over the original allotment could not have been given much sooner, as up to the end of August the expenditure amounted only to Rupees 203-7-8. This was swelled by the end of September, chiefly on account of Captain Castor's bill, for anchors and chains and the fitting up of two iron buoys to Rupees 719-9-9, *i.e.* twenty per cent. in excess of the allotment. In the current month the iron buoys were put out into three and four fathoms of water respectively, and a third buoy, made of a cask, was put out in six fathoms, for which chain and anchor had to be purchased here at double the rates charged by the Master Attendant of Cocanada. The outlay in October will amount to Rupees 694-12-7 (of which Rupees 282 are paid, and Rupees 412-12-7 due for the payment of which I have already asked permission), making the excess over the allotment up to the end of October Rupees 791, or the total outlay Rupees 1,414-6-4.

3. The following items remain to be done in order to complete the work in a satisfactory manner. Soundings, plans, and sections being all but completed (a couple of days work will finish them) there will be *no more expenditure on account of the survey itself*. But the *second tide gauge*, lately ordered by the Inspecting Engineer to be erected in the open sea, which is in *progress*, will cost about ... ... Rs. 70

Its registry when completed for one month at Rs. 10	,,	10
Registry of the original tide gauge for one month, at Rs. 10 (discontinuing the night registry)	,,	10
Removing three buoys, anchors, etc., to the shore when no longer required	,,	30
The return of the iron buoys lent by the Master Attendant of Cocanada, say	,,	10
Boat hire on account of additional soundings over the bar in December and January, when there is little or no surf...	,,	10
Boat hire for current observations	,,	10
Hire of coolies, boats, anchors, chains, etc., and construction of platform on boats for the borings on the bar when the surf is still ...	,,	50
Total	,,	200

This added to Rupees 1,414 gives a total of Rupees 1,614, which can be with tolerable accuracy calculated beforehand. But to allow for sundries and unforeseen contingencies, I would propose that the additional allotment should be made Rupees 1,050, which added to the original Rupees 600 would raise the total allotment to Rupees 1,650, the amount of the estimate now submitted.

4. There will be recoveries hereafter, when the buoys are no longer required, by the sale of chains and anchors, and by the transfer of about fifty stone bench-marks to roads and irrigation works ; but these recoveries, which will probably amount to Rupees 559-4-0, will not affect the amount that must first be disbursed to pay for work done and articles purchased.

5. * * * * * *

Estimate of the probable cost of the Vizagapatam Port Survey.

No.	Particulars of Expenditure.	Rate.	Amount.
		RS.	RS. A. P.
I.	*Items of expenditure already incurred.*		
	1 Assistant Surveyor for 1½ months at	75	112 8 0
	1 Do. for 2½ do. at	25	62 8 0
	1 Do. for 4 do. at	15	59 0 0
	1 Goomastah for 4 do each at	10	76 12 0
	2 Tide Goomastahs for 1 do.	10	19 15 11
	2 Do. for 2 do.	.....	73 3 0
	6 Temporary Lascars for 2 do.	.....	50 12 1
	Coolies' Wages	.....	20 5 4
	Wooden poles for survey stations	.....	29 4 0
	Bench-mark stones	.....	1 0 0
	Rough stone	.....	12 5 0
	Boat hire	.....	9 15 10
	Lamp oil, thread, matches, tar, chunam, thatch, etc.	.....	256 0 0
	2 Anchors weighing 16 Cwts. each at Rs. 8	.....	35 0 0
	1 Piece of cable chain, 9 fathoms	.....	10 8 0
	1 Cask for buoy	.....	0 15 0
	Carpenter, blacksmith, and cooly-hire in fitting up iron buoys.	.....	22 12 0
	1 Block for Tide gauge (transfer payment 22-12-0)	.....	1 4 0
	Banghy-hire for do.	.....	20 0 0
	Wood-work for 2 iron buoys at Rs. 10 each 22 6 5	.....	32 0 5
	11 $\frac{87}{144}$ Cubic feet wood at Rs. 2 per cubic feet ... 9 10 0		
	11 Planks, at 14 Annas each 5 0 0	.....	35 6 8
	80 Iron bolts at 16 per Rs. 30 0 0		
	2 Iron baskets for buoys at Rs. 15 each 0 6 8		
	40 Screws		
	Freight of anchor, chain, and buoys from Cocanada to Vizagapatam	.....	80 0 0
	Port dues at Vizagapatam	.....	7 14 0
	Rope	.....	1 8 0
	Fitting up and fixing two buoys in the sea	.....	21 4 0
	Sundries	.....	9 8 6
	Total...	.....	1,001 9 9
II.	*Payments now due.*		
	13 Fathoms cable chain, weighing 11 Cwt. 2 lbs, at Rs. 9	.....	99 2 6
	1 Anchor weighing 12 Cwt. and 8 lbs, at Rs. 15	.....	181 1 1
	25 Bench-mark stones at Rs. 2¼	.....	56 4 0
	8 Do. at ,, 0 14 0	.....	7 0 0
	Iron fittings for cask	.....	39 6 0
	Do. for iron buoys	.....	10 0 0
	Hire of boats, hawsers, beams, and one small anchor...	.....	9 0 0
	Carpenter and cooly-hire	.....	6 15 6
	Screws, tacks, paint, cloth, tape	.....	3 15 6
	Total	.....	412 12 7

Estimate of the probable cost of the Vizagapatam Port Survey.

No.	Particulars of Expenditure.	Rate.	Amount.
III.	*Work remaining to be done.*	RS.	RS A. P.
	Tide gauge in the open sea	.....	70 0 0
	Registering two tide gauges for one month at Rs. 10 ...	.....	20 0 0
	Removing three anchors, chains, and buoys to the shore when no longer required	.....	30 0 0
	Return of iron buoys to Cocanada	.....	10 0 0
	Boat hire for sea soundings and current observations on backwater	.....	20 0 0
	Borings on the bar	.....	50 0 0
	Sundries and unforeseen contingencies	.....	35 9 8
	Total...	.....	235 9 8
	Grand Total of Estimate...	.....	1,650 0 0

List of Recoveries proposed to be made in next official year by sale of articles used in the Port Survey.

Probable recoveries by sale of articles, at about 25 per cent. less than cost price :—	RS. A. P.	RS. A. P.
1 Anchor, purchasing price Rs. 128 0 0, probable selling price...	96 0 0	
1 Do. do. ,, 128 0 0	96 0 0	
1 Do. do. ,, 181 1 1	136 0 0	
9 Fathoms chain ,, 35 0 0	26 0 0	
16 Do. ,, 99 2 6	75 0 0	
1 Barrel ,, 10 8 0	5 0 0	
Iron fixings to buoys ,, 49 6 0	20 0 0	
1 Clock	22 12 0	
		476 12 0
By transfer of bench-mark stones at full value :—		
38 Stones at Rs. 2 4 0 each...	75 8 0	
8 Do. at ,, 0 14 0 ,, ...	7 0 0	
Total for stones...	.....	82 8 0
Total of probable recoveries...	.....	559 4 0

WALTAIR,
28th October 1873.

(Signed) J. BEATTY, Major, R.E.,
District Engineer, Vizagapatam.

No. 307. ORDER THEREON, 17th December 1873, No. 3,015.

CIVIL WORKS, No. 21.

OF the charges herein brought to notice, Rupees 104 already incurred on the Survey Establishment, and Rs. 20 to be incurred in tide registering, may legitimately be charged against the grant for Petty Establishments, more especially as Mr. Nordmann does not appear to have maintained any permanent office establishment. And Rupees 24 paid for a clock and its carriage are chargeable to the allotment for tools and plant,

making in round numbers Rupees 450. Of the balance Rupees 600, or one-half, has already been provided from Port Funds, and the expenditure of the remaining Rupees 600 is authorized in anticipation of a specific provision of funds by transfer later in the year from savings on the Provincial assignment.

(True Extract.)

Colonel, R.E.,
Secretary to Government.

To the District Engineer, Vizagapatam.
,, Officiating Controller of Public Works Accounts.
,, Inspecting Engineer for Ports and Communications.
,, Marine Department.

Exd. W. H. French.

Spare Copies

Inspecting Engineer's Office for
Ports & Communications
Chepauk. Madras.
12th November 1873

From

The Inspecting Engineer for
Ports & Communications

To

The Chief Engineer and
The Secretary to Government
Public Works Department.

Sir,

With reference to G. O.
№ 603 dated 25th February
last, placing Rs 600 from
Port Funds at the disposal
of the Public Works Depart-
-ment, through Marine Depart-
-ment, for the preparation
of the survey and soundings
of the Vizagapatam Harbour,
I have the honor to submit
for your information a letter
№ 1393 dated 28th ultimo.
from the District Engineer
Vizagapatam forwarding
a report from the Assistant
Engineer

Engineer, Mr. Nordmann, in charge of the operations, together with a revised estimate for Rs 1,650 for the cost of the Survey, and applying for an additional grant of Rs 1,050.- the Expenditure contemplated seems to be necessary for the completion of the Survey &c., and I recommend that the additional sum required may be sanctioned and transferred from the allotment of new Pattingly Grant. (Provincial Budget item 112) if no funds can be made available from other sources.-

2. A list of recoveries proposed to be made from the estimated Expenditure (which would reduce the cost eventually to Rs 1,091) is also enclosed, but

but the District Engineer states that such recoveries cannot be made within this year, without great loss and that the amount must therefore be actually disbursed and recovered next year.)

I have the honor to be
Sir
Your most Obedt Servt

Warwick Lieut-Col
Inspecting Engineer for
Ports & Communications

District Engineer's Office
Vizagapatam 28th October 1873

No 1393

From The District Engineer
Vizagapatam

To The Inspecting Engineer
For Ports & Communications

Sir

I have the honor to forward herewith Mr Nordmann's estimate of the cost of the Vizagapatam Port survey, accompanied by a

Plan.

2. Mr Nordmann's estimates the total cost at Rs. 1650, and as the greater part of the work is now done and expenditure made, this will probable prove correct. The expenditure has been chiefly made under the following

Heads:-

I. Establishment employed on the survey:-
Mr Nordmann has not even had name of his own as the Assistant or Draftsman been able to obtain on Establishment

yet for the Chaul work.

II. Letting up and registering tide gauges.

III. Letting up three buoys, two large iron

IV. Letting up three buoys from Coconada, and

buoys were sent to the work from Coconada, and

the

P.W. 1873 Department
Govt. for Dept.
No. 6185.
From
The Inspecting Engr for
Ports & Comms.
To
The Chief Engr and
Secretary to Govt.
Public Works Dept.
Dated 12th November 1873.
Rcd. 13——

Forwards Mr
Assistant Engineer
Nordmann's report
on the Survey & Soundings
of the Vizagapatam
Harbour, together with
a revised Estimate
for Rs 1,650, and
requests sanction and
provision of funds
from the allotment of
new Portinghy Chaul
or from other sources.—
No 3045 - 17 Dec 1873.

No 386
Cir 1st 12-73
Despatched Coimbatore 15-12-73.

the third was a large cask;

IV. Erecting stone bench marks at several points along the water boundaries surveyed.

V. Boats employed in the soundings.

3. Owing to the peculiar nature of the work, and the limited period Mr. N. had to do it in, he has found it necessary to exceed the sum provided by Government, before sanction could be obtained to a supplemental grant. This is, of course, irregular, and would not have been allowed, if it could have been avoided.

4. Mr Nordmann has done all that was possible in the time, and has left Waltair en route for Cotinghe. I shall send you his plans and report upon them as soon as copies have been made, and shall then report further on the subject.

5. Meantime I have to request you will be so good as to make the necessary application to Government for the supplemental grant of Rs 1050 required to meet payments due and for the completion of the work.

6 The proposed recoveries which will eventually reduce the cost of the survey to Rs.1090 cannot be made within this year without great loss.

I have the honor to be
Sir
Your most obdt. Servt.
J. Beatty. Major R.E.
District Engineer of
Vizagapatam

From
The District Engineer
Vizagapatam

To
The Inspecting Engineer
for Ports & Communications

Dated 28th October 1873
Rec'd 4th Novr 1873

No 1393

Encls 3

Applying for an addition-
-al grant of Rs. 1050 on ac-
-count of the Vizagapatam
Port Survey.
Ref: Survey 14-12-75
No: 8045-1185/73
1 / 1

Estimate of the probable cost of the
Vizagapatam Port Survey. 8

No	Particulars of expenditure	Rate	amount	
I	Items of expenditure already incurred			
1	Assistant Surveyor for 1½ months @	75		1128.
1	Do. for 2½ months @	25		628.
1	Gumastta for 4 months @	15		59.
2	Tide Gumastas for 4 months each @	10		76 12.
2	Do for 1 do	10		19 15 11
6	Temporary Lascars for 2 months			73. 3.
	Coolies' Wages			50 12 1
	Wooden poles for Survey Stations			20 5 4
	Bench Mark Stones			29 4.
	Rough Stone			1.
	Boat hire			125.
	Lamp Oil, Thread, matches, Jar, Chunam, Thatch &c			9 15 10
2	Anchors weighing 16 Cwt each @ Rs. 8			256.
1	Piece of Cable Chain 9 fathoms			35.
1	Cask for Buoy			108.
	Carpenter, Blacksmith, and Coly hire in fitting up iron buoys			15.
1	Clock for Tide guage (Transfer payment 22-12-0)			22 12.
	Bangly hire for Do			14.
	Wood work for 2 iron Buoys @ Rs: 10 each			20.
			6. 0	874 0 2

B.O 87402

11 87/432 C.ft. Wood @ Rs. 2 per C.ft.	22-6-5	
11 Planks @ 14 Annas each	9-10-0	3205
80 Iron Bolts @ 16 per Rupee	5-0-0	
2 Iron Baskets for Buoys @ 15 each	30-0-0	3568
40 Screws	0-6-8	
Freight of anchor, chain, and Buoys from Cocanada to Vizagapatam		20 . .
Port dues at Vizagapatam		714.
Rope		18 .
Fitting up and laying 2 Buoys in the sea		214.
Sundries		986
Total Rupees 1001 99		

II Payments now due

13 Fathoms Cable Chain, weighing 11 Cwt, 2 lbs @ Rs. 9	9926
1 Anchor weighing 12 Cwt, 8 & 8 lbs @ Rs. 15	18111
25 Bench mark Stones @ Rs. 2/4	564-
8 Do @ Rs 0-14-0	7 . .
Iron fittings for Cask	396.
Do for Iron Buoys	10 . .
Hire of Boats, Hawsers, Beams, & small anchor	9 . .
Carpenter and Cooly hire	6156
Screws, tacks, paint, cloth, tape	3156
Total	412127
C.O.	141464

B.O 141464

III Work remaining to be done

Tide Guage in the open sea	70 . .
Registering 2 tide guages for 1 month @ Rs. 10	20 . .
Removing three anchors, chains, and Buoys to the shore when no longer required	30 . .
Return of Iron Buoys to Cocanada	10 . .
Boat hire for sea soundings and current observations on backwater	20 . .
Borings on the bar	50 . .
Sundries and unforeseen Contingencies	35 98
Total Rupees	235 98

Grand total of Estimate Rs. 1,650 . .

District Engineer's Office
Waltair 28th October 1873

C. Beatty Major. R.E
District Engineer, Vizagapatam

Special Executive Engineer's Office
Waltair 20th October 1873

No. 220

b

From

The Executive Engineer
On Special duty
Jeypore Ghaut Works

To

The District Engineer
of Vizagapatam

Sir,

In continuation of my letter No. 219 dated 16th instant, regarding the additional allotment required to cover the cost of the Vizagapatam Port Survey and soundings, I have the honor herewith to submit an Estimate amounting to Rs. 1650 shewing:-

I Expenditure already incurred; ———

II Payments now due for work done and articles purchased. ———

III Work remaining to be done ———

IV Recoveries to be effected hereafter by the sale of chains, anchors &c, and by transfer of stone bench marks to Roads and Irrigation Works. ———

It is to be observed, however, that these eventual recoveries do not affect the amount of the Estimate at

P.W. Asst's
P.O. 20th-17-12-73

at present, as the whole of that amount must first be actually disbursed, before the time for making recoveries begins.

2. Intimation of the prospective excess over the original allotment, could not have been given much sooner, as up to the end of August the expenditure amounted only to Rs. 203-7-8. This was swelled by the end of September, chiefly on account of Captain Castor's Bill for anchors and chains, and the fitting up of 2 iron buoys to Rs 719-9-9, i.e. 20 per cent in excess of the allotment. In the current month the iron buoys were put out into 3 and 4 fathoms of water respectively, and a third buoy made of a cask, was put out in 6 fathoms, for which chain and anchor had to be purchased here at double the rates charged by the Master Attendant of Cocanada. The outlay in October will amount to Rs. 694-12-7 (of which Rs. 282 are paid, and Rs. 412-12-7 due for the payment of which I have already asked permission), making the excess over the allotment up to the end of October Rs. 791 or the total outlay Rs. 1414-6-4

3. The following items remain to be done in order to complete the work in a satisfactory manner. Soundings; Plans, and sections being all but completed (a couple of days' work will finish them), there will be no more expenditure on account of the survey itself. But the second tide guage, lately ordered by the Inspecting Engineer to be erected in the open sea, which is in progress, will cost about Rs. 70----

Its registry when completed for one month at Rs. 10----	10----
Registry of the original Tide guage for one month at Rs. 10---- (discontinuing the night registry)	10----
Removing three buoys, anchors, &c. to the shore when no longer required	30----
The return of the iron buoys, lent by the Master Attendant of Cocanada, say	10----
Boat hire on account of additional soundings over the bar in December and January when there is little or no surf	10----
Boat hire for current observations	10----
C. O.	150

B. O. — 150-- --

Hire of Coolies, boats, anchors, chains &c. and construction of plat-form on boats for the borings on the bar, when the surf is still — 50-- --

Total Rs. 200-- --

This added to Rs. 414 gives a total of Rs 1614 which can be, with tolerable accuracy calculated before-hand. But to allow for sundries and unforeseen contingencies, I would propose that the additional allotment should be made Rs. 1050 which added to the original Rs. 600, would raise the total allotment to Rs. 1650 the amount of the estimate now submitted.

4. There will be recoveries hereafter, when the buoys are no longer required, by the sale of chains, and anchors, and by the transfer of about 50 Stone bench marks to Roads and Irrigation Works; but these recoveries, which will probably amount to Rs. 559-4--, will not affect the amount that must first be disbursed to pay for work done and articles purchased.

5. × × ×

(True Copy)
R. Beatty. Major R. E.
District Engr. Vizagapatam

Sdd
I have &c.
K. F. Nordmann
Ex. Engr. on Special
duty Harbour & Inland Works

P.W. 88 Stks
4-5--17-18-73

List of recoveries proposed to be made in next Official year by sale of articles used in the Port Survey.

12

Probable recoveries by sale of articles, at about 25 per cent less than cost prices-

1 Anchor,	purchasing price	128.00	Probable selling price 96..
1 D.	D.	128.00	96..
1 D.	D.	181.11	136..
9 Fathoms Chain		35.0.0	26..
16 D.		99.2.6	75..
1 Barrel		10.8.0	5..
2 Iron fixings to Buoys		49.6.8	20..
1 Clock			22.12.

476.12.

By transfer of Bench mark Stones, at full value:-

38 Stones	@ Rs. 2-4-0	each	75.8.
8 D.	@ Rs. 0-14-0		7..

Total for Stones Rs. 82.8.

Total of probable recoveries Rs. 559.4.

District Engineer's Office
Waltair 28th October 1873

R. Beatty. Major C.E.
District Engineer, Vizagm.

P.W. Hospl's
2

Ft. St. Geo: 20th Nov: 1873

P.W.

Con. No.
3245 13

In reference to the Madras Government
Read the following
in the Inspection Engr
for Pats & Comms } No. 357/20 12th Nov/73.

Of the Charges herein
brought to notice Rs 1104
already incurred on the Sur-
-vey Establishment, and
Rs 20 to be incurred in
Tidal Registering may
legitimately be charged
against the grant for Sub-
-sidiary Establishments, under
specially as this Standing
does not appear to have
commanded any permanent
Officer Establishment
and Rs. 20 is found for

(5)

a Clerk & 1 to Carriage
are chargeable to the allot-
ment for Tools & Plant,
making in round numbers
Rs 450. Of the balance
Rs 600, or one half, has
already been provided from
Port Funds, and the
expenditure of the remaining
Rs 600 is anticipated in an
Anticipation of a specific
provision of funds by
transfer later in the year
from savings on the
Provincial appropriation.

Copy

To
The Dy Engr Vizagapatam
Insp. Engr Ports & Docks
Controller
Marine Dept
Desp. Circle. 20/12/73

No. 306-7.

1-12-73

Ch 6/185

Govt. of {1873} Madras.

PUBLIC WORKS.

To The District Engineer
Vizagapatam

Dated

Recd. Encl. 4

G. O. 17 Dec. 1873. No. 3044.

Nos. 306 & 307

Vizagapatam Harbour.

Passing orders on letter from the Engineer for Harbours dated 13th Nov. forwarding Mr. Assistant Hardman's report on the Survey & Soundings of the Harbour together with a revised estimate and requesting sanction to the additional amount.