M.R.O. 1—10,006—23-2-50.

(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.	2503 A	Press	Original
B.P. No.		Mis.	
Dated	3 - 9 - 4874	-195-.	

Not to be folded or roughly handled

Proceedings of the Madras Government, Public Works Department,
3rd September 1874.

No. 77 A. Read the following letter from R. F. CHISHOLM, Esq., Consulting Architect to Government, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Royapettah, 26th June 1874, No. 113:—

I HAVE the honor to forward you the papers noted in the margin relating to the Napier Gateway.

1 Letter No. 1,192, dated 22nd June 1874.
1 Revised Estimate of Rupees 5,260.
1 Comparative Statement.
1 Copy of letter, No. 32, dated 27th May 1874, from Lieutenant M. Greer.

2. I may mention that if any difficulty arises about the money, I can modify the design so as to bring the cost within the stipulated sum.

No. 77 B. ORDER THEREON, 3rd September 1874, No. 2,503-A.

CIVIL WORKS, No. 7 A.

THE Consulting Architect to Government will supply the District Engineer of Madura with his revised design, maintaining precisely the same character as that originally sanctioned, and capable of being carried out with the amount of contributions already collected.

(True Extract.)

(Signed) G. W. WALKER, Colonel, R.E.,
Secretary to Government.

To the Consulting Architect.
District Engineer, Madura.

Ext. S. T. Austin.
Spare Copies

20 August 1874

Maj Genl Walker

I send you a Medisn
plate of the Kufsir Gateway
I find I have sent a copy of
Col Roberts Steamate in my
Office but I remember his notes
were in excess of mine -
At my own rates the cost of

[illegible] plan with [illegible]

[illegible] Reference [illegible]

The facing in Quantities will

be [illegible]

461 Cu. ft. Cut stone Cornice [illegible]

237 " " Cut stone facing [illegible]

If you will be good enough

to oblige for Robert rates

to the above you will find

Mr Leach acting on his behalf

Enclosure 2 in ad
letter from the District
Engineer Madeira to
the Secretary to Govern-
ment P.W.D. No 1192 dated 2nd
June 1874.

Plg. of 3rd Sept 74
Dr. B No 77 74

P.W. 3946/74
4

Comparative Statement
showing the difference
between the original
Estimate and the Revised Estimate
of the Harper Gateway
at Madeira —

L

Mr. Chisholm's
Remarks are as
follows — Estimate
Dr. Rail was sent
May. 1873 since which
January. Remarks
Increase — of the
Premium since
Decr. 1873 the
Rate Increase
Since Decr. 1873
Tidy ... charges
of the 2 Remarks
even by blue ... the
Price on the Official
Letter —
Agreed

Comparative Statement Showing the difference between the original and revised Estimates for the Napier Gateway at Madura

Particulars	As per original Estimate			As per Revised Estimate			Increase	Decrease	Remarks
	Quantity	Rate	Amount	Quantity	Rate	Amount			
Excavation for foundation Cyds	32	" 2 "	4 " "	32	" 2 "	4 " "	" " "	" " "	
Concrete in foundation ——— Do	11	4 8 "	49 8 "	11	2 8 "	27 8 "	" " "	22 " "	
Rough stone in chunam ——— Do	22	4 8 "	99 " "	23 3/3	3 8 "	81 10 8	" " "	17 5 4	
Concrete or Brick backing ——— Do	66	4 8 "	297 " "	66	4 8 "	297 " "	" " "	" " "	
Cut stone arch work ——— Cft	109	1 12 "	190 12 "	109	1 12 "	190 12 "	" " "	" " "	
Do ——— face work ——— Do	1760	1 4 "	2200 " "	1836	1 4 "	2295 " "	95 " "	" " "	
Do ——— over Columns ——— Do	71	1 12 "	124 4 "	145	2 " "	290 " "	165 12 "	" " "	
Cornice ——— Squares	551	1 8 "	826 8 "	551	2 " "	1102 " "	275 8 "	" " "	
Pedestals to Columns Each	2	30 " "	60 " "	2	30 " "	60 " "	" " "	" " "	
Blackstone Shafts to do polished "	2	100 " "	200 " "	2	100 " "	200 " "	" " "	" " "	
Ornamental capitals to Columns	2	20 " "	40 " "	2	20 " "	40 " "	" " "	" " "	
Ornaments over ——— Do ——— "	2	25 " "	50 " "	2	25 " "	50 " "	" " "	" " "	
Mouldings ——— Lfeet	198	4 "	49 8 "	198	8 "	99 "	49 8 "	" " "	
Ornamental mouldings Do	68	1 8 "	102 " "	68	1 8 "	102 " "	" " "	" " "	
Plastering over gateway Squds	1/3	4 8 "	6 " "	1/3	4 8 "	6 " "	" " "	" " "	
Allow for inscription			37 " "			37 " "	" " "	" " "	
Contingencies 5 per C			216 8 "			378 14	161 9 4		
Total			4552 " "			5260 " "	747 4	39 5 4	
							39 5 4		
							708 " "		

Executive Engineers Office
on special duty Madura
2nd June 1874

R. Christie Lt. R.E. Consulting Architect W.P.W.
Maconochie Lieut Colonel.
Recd Plans
District Engineer Madura

W. M. Robertson
Collector

Executive Engineer on special duty
Lieutenant R.E.

District Engineer's Office
No. 1192. Madura 22nd June 1874.

From

Lieutenant Colonel J. H. Fischer RE.
District Engineer Madura.

To

Colonel G. W. Walker RE.
Secretary to Government P.W.D.
Madras.

Sir,

In reference to G.O. 2nd May 1874,

Enclosures 2.

1 Revised Estimate of Rs 5260 — No 1162.

1 Comparative Statement.

I have the honor to report that the Estimate of Rs. 6308-2-4 prepared by the Government Consulting Architect for the construction of the Napier Gateway is found on execution to be considerably below the cost actually required for the same as pointed out in the accompanying letter (copy) No 32, dated 27th Ultimo, from Lieutt Mc. Cree RE, wherein it will be seen that the Revised Estimate amounts to Rs 5260.

1 Copy of Lieutt Mc Cree's letter No 32 dated 27 May 1874

2) To His Excellency Lord Napier of Ettrick, has signified his approval of

of the design Lieutt Colo. Asst. Roberts. Pl. has considered it unadvisable to modify it according to the 2nd suggestion in Lieutt Greer's letter.

3 Moreover as Lieutt Colo. Roberts. Pl. fell satisfied that there is no real difficulty whatever in collecting the whole amount of the revised Estimate & no occasion therefore to call upon the Government for assistance in the matter, that officer has accordingly suggested to the Collector to take the necessary steps for placing the whole amount of the Revised Estimate at the disposal of this Department.

4 In the meantime Lieutt Colo. Colt Roberts Pl has instructed the Madras Range officer to proceed with the Work up to the amount of the Subscriptions received as directed in G.O. 5th August 1842 & 18 Sept 1839.

5 I may mention that the Collector in returning with his countersignature the

6

the comparative Statement & the Revised Estimate of Rs 5260 for constructing the Napier Gateway, has informed me that he has requested the Board of Revenue to place at the disposal of this Department, the sum of Rs 3653-7-9 in addition to the sum of Rs 500 already paid to the Range officer, out of the amount realized by subscriptions.

6 Under these circumstances I trust that Government will be pleased to sanction the accompanying Revised Estimate of Rs 5260 for the Service in question.

7 In conclusion I request that the Revised Estimate & the comparative Statement may be returned to me after they have been submitted to the Government so as to enable me to transmit the Sanction to the Range officer.

I have the honor to be

Sir

Your most obt. Servt

Wm. Tweedie Lieutt. Colo. Pl.

District Engineer Madura

Detailed Estimate

Work: Estimate for the Napier Gateway at Madura

Madura District. Madura Taluk

Particulars	No.	Measurement L	B	A	Contents	Total
Excavation for foundation						
	2	16	3.6	6.0	672	
	2	7.6	2.0	6.0	180	
To Add Cubic feet					852	
or Cubic Yards						32
Concrete in foundation						
⅓ of Excavation					Cubic Yards	11
Projections in foundation						
⅔ of Excavation					Cubic Yards	22
	2	2¾	2¾	3	45⅜	
or Cubic Yards						1⅓
To Add Cubic feet						23⅓
Concrete or Brick Packing						
	2	6.0	2.6	25.0	750	
	1	34.0	2.6	12.0	1020	
To Add Cubic feet					1770	
or Cubic Yards						66
Cut Stone Arch work						
	1	34.0	2.0	1.3	85	
	1	24.0	1.0	1.0	24	
To Add Cubic feet					109	109
Cut Stone face work						
	1	19.6	1.3	24.0	585	
Bases	2	18	1.3	3.6	158	
Sides	2	14.0	1.3	20.6	743	
Carried on					1486	

Madura District Madura Taluk

Abstract Estimate for the Napier Gateways

Quantity	Particulars	Rate	Amount	Total
32	Cy. yards of Excavating foundation	" 2 "	4 " "	
11	" " Concrete in " Do	2 8 "	27 8 "	
23 3	" " Rough stone in " Do	3 8 "	81 10 8	
66	" " Concrete or brick backing	4 8 "	297 " "	
109	Cubic feet of Cutstone arch work	1 12 "	190 12 "	
1836	" " of " " face work	1 4 "	2295 " "	
145	" " of " " Cover Columns	2 " "	290 " "	
551	" " of " " Cornice	2 " "	1102 " "	
2	Pedestals to Columns	30 " "	60 " "	
2	Blackstone Shafts to Columns polished	100 " "	200 " "	
2	Ornamental Capitals to Columns	20 " "	40 " "	
2	Ornaments over " Do	25 " "	50 " "	
198	Lineal feet of Moulding	" 8½ "	99 " "	
68	Ornamental Mouldings	1 8½ "	102 " "	
1/3	Squares of Plastering over gateway	4 8½ "	6 " "	
	Allow for inscription		37 " "	
			4,881 14 8	
	Scaffolding and Sundries abt ± per cent.		378 1 4	
	Total Estimate Rupees		5260 0 0	

Approved
Engrs Office
Madura 26th May 1874
A Chisholm Capt RE
Asst Engr Madura

Macpherson Lieutenant RE
Executive Engineer on Appd duty
Madura Distt

Rice Notch Lieutt Colonel
District Engineer Madura

Collector

---

above 1 42.4 Y.3 12.0 486
2 2.9 2.9 .6 8
Total Cutstone surface obj 494

Deductions
Entrance Square portion 1 12.6 1.3 1.6 70
" " 1 15.0 1.3 6.0 113
" Semi-portion 1 88.3 1.3 abt 110
Total Deductions 293 1836

Remaining cutstone facing

Cutstone over Columns
1 17.6 2.0 1.6 59
1 19.6 3 1 59
2 5.6 2.0 1.1 24
2 1.1 1.1 1.1 3
Total Cft 145 145

Cutstone cornice
1 49.0 4.6 2.6 551
Total Cft 551

Pedestals to Columns
2

Blackstone Shafts to Columns polished 2

Ornamental Capitals to Columns 2

Ornaments over Do 2

Mouldings at base 2 17.6 35
" 2 17.6 35
Lineal feet cornice 2 42.6 85
above 1 42.6 43
Total Lineal feet 198 198

Ornamental Mouldings
Sides of Archway 2 21.6 43
Top of " Do 1 24.6 25
Total Lineal feet 68

Plastering over gateway
1 38.0 3.6 133
or 4 Squares 1/3

Executive Engineer's Office on Special duty

No 32 Madura 2d May 1874.

From

The Executive Engineer on Special duty
Madura

To

The District Engineer
Madura

Sir,

With reference to your Endorsement No 511, of the 11th May 1874, I have the honor to state that the rates allowed by Mr Chisholm for the cut stone work are altogether too low. I have accordingly made out a revised Estimate which is herewith sent. I don't think the Railway can be constructed according to the present design for much less money. The Collector has informed me that only about Rs 4200 have been collected and that he does not think he can collect any more. Under the circumstances I would feel much obliged if you would let me know whether I ought to continue going on with the work according to the present design or not. There appears to me to be three ways of getting out of the difficulty

Enclosures 4.
1. Revised Estimate Rs. 5260.
1. Old Estimate Rs. 4552.
1. Specification
1. Plan.
4

Received

Enclosure 1 in Collr from the District Engineer Madura to the Executive Engineer, Madura dated 30th April 1874 and 29th June 1874.

1 Sheet Estimate for the Collector's Office

2 Sheets Estimate for the Police Quarters

Amount of Estimate Rs 5260-0-0

collecting the money required by a more General Subscription than has been made hitherto.

2 By altering the present design so that the revised design can be executed for the money already collected.

3 By asking Government to give the balance required.

I have &c

(Signed) Mc. Greigo, Brevet Lieut. R.E.

Executive Engineer on Special duty

(True Copy)

Lieut. Col. R.E.

District Engineer Madras

No. 113

ARCHITECT'S OFFICE,

Royapettah, 26th June 1874.

From

THE CONSULTING ARCHITECT TO GOVERNMENT,

To

THE Secretary to Government
Public Works Department.

SIR,

I have the honor to forward you the papers noted in the margin relating to the Napier Gateway.

2. I may mention that if any difficulty arises about the money, I can modify the design so as to bring the Cost within the Stipulated Sum.

I have the honor to be,
Sir,
your most obedt. Servt.

Consulting Archt. to Govt.

Enclosures 4.
1 Letter No 1192 dy 22nd June 1874 with
1 Revised Estimate for Rs. 5260-0-0.
1 Comparative Statement.
1 Copy of letter No 32 dy 27th May 1874 from Lieut M. Greig.

Enclosure 3 in a letter from the District Engineer Madras to the Secretary to Government dated 29th June 1874.

No. 1192 Dy.
Dated 22nd June 1874.
Rs. 5260-0-0
Office of the Executive Engineer on Special duty
From the Executive Engineer on Special duty
To the District Engineer
Madras
Dated 27th May 1874.

Public Works Department

Proceedings of the Madras Government

Read the following

From

The Consg Architect

& Government / No 613 dated 26 June 1894 /

It would appear from the Consulting Architect's letter that the design for the Sahiers gateway can be modified, without material departure from the original intention, so as to bring the cost of the work within the amount subscribed. Mr Chisholm will report specially on this point.

Govt

I think this deserves a distinct & distinct answer & I have written in accordance with the Govt. Order

Mr. Swamy 26/7

& Sec Govt

To Consg: Architect.

Proceedings of the Madras Government

Public Works Department

Read the following:-

The Cons. Architect to Govt. - (W.E. No 113 of 26th June 1874.)

Govt. direct the Coll. to endeavour to put the first proposal into execution & seek order popular support & accept the last alternative - viz [illegible] making up the bal: from public funds if only partly successful - as I think it a moderate plan the contributors [illegible] a purpose considered as it is with the name of an late Governor

Govt. direct the S.E. to press the work on to completion without delay

His Excellency the Governor in Council declines to adopt the 3rd alternative suggested in the Special Engineer's letter included in this correspondence; and directs that the work be stopped until contributions have been paid into the Treasury to the credit of the Public Works Department,

Ex:

W.R. - W.R.

to

to the full extent of the estimates for such designs as may finally be selected.

Genl

27

Govt Despatch

Proceedings the Madras Government

From the Engr: Archtect to Govt. } Read the following-
H.S. No. 113 dt 26th June/74
G.O. No: 2503 dt 3 September 1874-

The Executive Engineer Architect to Govt. will supply the District Engineer of Madura with his Revised Design, maintaining precisely the same channels as that originally sanctioned, and capable of being carried out with the amount of contributions already collected.

Genl
25.8.74

2/9

To The Engr Architect
Dist Engr Madura

Rec-d-dispo to hy the 3/9/74.
S.C. " to Do- 7/9/74.

Rec-d 5-8-74
Ans 7/8/74

to the full extent of
the estimates for such
des
be

to the full extent
the estimate for such
des
l

3946/

Govt. of 1874 Madras.

PUBLIC WORKS.

☆

To

Mr Chisholm

Dated

Recd. Encl. 4

G. O. 3 Sept. 1874, No. 2508

Nos. 77A-77B.

Napier Gateway"
Madura Dt.

The Consulting Architect requested to supply the Dt. Engr. with his revised design for the Gateway ~~with~~ with remarks.