

Note by Budget Section.

Work *Forming an earthen slope on the sea side of the Marina between the Napier Bridge and the P. W. Office, Madras.* Remarks and References.

Fund *Provincial*
 Service Head *Miscellaneous Public Improvements*
 Departmental Head *Original Works.*

Amount of Estimate Rs. *3,612.*

Expenditure in previous year " "

Allotment in current year " "

Balance required to complete " "

Total Rs... *3,612.*

Note of available funds.

If the estimate is approved for sanction, the necessary appropriation of funds will be made from the reserve with Govt. under Provincial

13th April 1885.

Budget Clerk.

1157

Note by Budget Section.

11th April 85
B/H

Public Works Department, 1885-86.

Current No. 3127
 Letter No. 21
 Dated the 7th April 1885
 From the *Consulting Architect to Govt*

NOTE OF REMARKS.

1. This is an estimate for forming an earthen slope on the seashore of the Marina between the Napier bridge and the P.W. offices, Madras. The amount of the estimate is Rs. 3612.

2. The foreshore immediately below the raised walk between the Napier bridge and P.W. offices is now very unsightly it is therefore proposed to slope it off, after the necessary filling in, with a surface covering of vegetable earth and manure for planting the *Murriali* grass which is to form the topmost coating. The gradient adopted is 1 in 25 - from walk to beach.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the

READ the following

Letter from the Consulting Architect to Government } (H.E. No. 21 of 7th April 1885)

The estimate submitted with the foregoing letter, amounting to Rs. 3612, is sanctioned. Funds for the work are appropriated from the Provincial Reserve with Government.

2. This sanction has been registered as Provincial No. of 1885-86, and classified as Miscellaneous Public Improvements, Original Works.

To
 The Consq. Archt. to Govt.
 Supply Engineer & Circle
 Exr. P.W. Accounts
 Financial Dept.
 E. E. S.

15.4.85
 gat.

To W for Sanction if approved.

Cd
 11.4.85

Duplicate

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	TOTAL.
		RS.		RS.	RS.
114848 cft.	Earthwork	2-8-	1000 cft.	287	
121275 "	Vegetable earth	11-12-	do	1425	
40425 "	Manuring	27-12-	do	1122	
1617 sqs.	Grass planting	-6-	sqre.	606	
	Contingencies			172	

Grand Total of Estimate 3612

STATION Madras
Dated 7th April '85

W. H. Munn
Sd/-
W. H. Munn
Sd/-
W. H. Munn

PARAS. 1074, 1075, 1086, 1087, 1091 to 1094, 1108,
1111 to 1114, 1130 AND 1145 to 1147.

Office—

Division—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for *)

* Here enter the name and description of work in full.

Estimate No. 2 of 1885-86

Financial Head— *Provincial*

Budget Head— *Miscellaneous Public Improvements.*

Departmental Head— *Original Works.*

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— *Filling, sloping & planting foreshore
South Beach.*

Amount of Estimate— *Rupees three thousand six hundred
and twelve.*

To be carried out by—

REFERENCES.

REFERENCE TO MADRAS P. W. D. CODE.

PARAS. 1074 TO 1076.

P. W. D. FORM.
No. M 203.

CIRCLE.

DIVISION—

Architect.

TALUK—

ESTIMATE FORM—Wrapper or Outer-sheet.

Estimate for * Filling, sloping and
planting Joneshore South
Beach

Amount of Estimate, Rs. 3612

Detailed Estimate, No. 2 of 1885-86.

* Here enter name and description of work in full.

ESTIMATE FORM.—Abstract.

Quantity.	Description of Work.	Rate.	Per	Amount.	TOTAL.
		RS.		RS.	RS.
114,848 c.ft.	Earthwork	2-8--	1000 c.ft.	287	
121275 "	Vegetable earth	11-12--	do	1425	
40425 "	Manuring	27-12--	do	1122	
1617 Sgts	Grass planting	4-6--	sgre	606	
	Contingencies			172	

Grand Total of Estimate 3612

Station

Madras

Dated

7th April '85

J. H. Mosant
Sd. Col. R.E.
Offg. Consgr. Archt. to Genl.

CYCLE—

DIVISION—

ESTIMATE FORM.—Abstract.

(To accompany the Detailed Estimate No.
of 188 -8 for "_____".)

* Here enter the name and description of work in full.

ESTIMATE FORM.—Detail Measurements.

Detail of Work.

Earth work

Number.	MEASUREMENTS IN FEET.			Area or Contents.	Total Quantity of each description of Work.
	Length.	Breadth.	Depth.		
1	105.0	20.0	1.5	2975	
1	105.0	20.0	1.6 1/2	3238	
1	105.0	30.0	2.5	7613	
1	105.0	30.0	2.5 1/2	7744	
1	105.0	100.0	1.5 1/2	15313	
1	105.0	100.0	1.6	15750	
1	105.0	100.0	1.9	18375	
1	105.0	100.0	1.10 1/2	19688	
1	105.0	100.0	1.7	16625	
1	105.0	100.0	2.4	24500	
1	105.0	100.0	1.8	17500	
1	105.0	100.0	1.4 1/2	14438	
1	105.0	100.0	1.8 1/2	17938	
1	105.0	100.0	1.4	14000	
1	105.0	100.0	1.11	20125	
1	105.0	100.0	1.7	16625	
1	105.0	100.0	1.11 1/2	20563	
1	105.0	100.0	1.9 1/2	18813	
1	105.0	40.0	1.1 1/2	4725	
					276548
1	1540.0	105.0	0.9	121275	
1	1540.0	105.0	0.3	40425	
					161700
Total cubic feet of Earth work					114848

Deductions
Vegetable Earth
Manuring

ESTIMATE FORM.—Detail Measurements.

Detail of Work.	MEASUREMENTS IN FEET.				Area or Contents.	Total Quantity of each description of Work.
	Number.	Length.	Breadth.	Depth.		
<u>Vegetable earth</u>	1	1540.0	105.0	0.09	12/275	
	<u>Total Cft of Vegetable earth</u>					12/275
<u>Manuring</u>	1	1540.0	105.0	0.3	40425	
	<u>Total Cft of Manuring</u>					40425
<u>Grass planting</u>	1	1540.0	105.0		161700 Sft	
	<u>Total Sft of grass planting</u>					1617

Estimate No. 2 of 1885-86Financial Head— ProvincialBudget Head— Miscellaneous Public ImprovementsDepartmental Head— original works.

Main Head—

Sub-Head—

Project of which the work forms part—

Section—

Name of Work— Filling, sloping & planting foreshore
South BeachAmount of Estimate— Rupees Three thousand six hundred
and twelve.

To be carried out by—

REFERENCES.

CIRCLE.

DIVISION—

Architect

TALUK—

ESTIMATE FORM—Wrapper or Outer-sheet.

Estimate for*

filling, sloping and
planting foreshore South
Beach

Amount of Estimate, Rs. 36 1/2

Detailed Estimate, No. 2 of 188586.

* Here enter name and description of work in full.

Report to accompany Estimate for filling and sloping a portion of the foreshore of the South Beach between the Napier Bridge and the Public Works offices and covering it with 9 inches in depth of vegetable earth and 3 inches in depth of manure and planting good Kurriali grass all over the surface.

The foreshore immediately below the Promenade wall is now very irregular, and consists principally of rubbish deposited from time to time from the buildings erected along the beach. It presents an unsightly appearance.

This estimate provides for filling and sloping down the irregular surface uniformly throughout. The top of the slope will start from about one foot below the bottom of the granite coping, and will have a gradient of about 25 to one sloping down to the

sandy beach.

Esq. Morant

Sd. Col. R. & Co.

Offg. Comdg. Archt. to Govt.

Madras
7th April 1885

Specification to accompany Estimate
for filling and sloping portion of
foreshore South Beach and covering
it with 9 inches of vegetable earth
and manure and planting good
Hurriali grass on the surface.

The sand for the filling will
be taken from as near the sea-
edge as possible at an average
distance of about 200 ft. from
the Coped wall. The vegetable earth
will be carted from a distance
and be spread evenly for a thick-
ness of 9 inches. Over it 3 inches of
manure will be spread, and be
well mixed with the earth below.
This will form a good compost for
the Hurriali grass which will be
planted out in rows a few inches
apart.

The whole to be well watered
twice a day till the grass becomes
green after which watering
will be sufficient if done

the work from the public
works office to the Hindu
bureau ground. His will
amount to \$ 4768.00
and the budget allotment
for 1886-87 being stated
to the credit of his estimate.
(It is to me I proposed to
submit) and this present
estimate on the cover of which
I write may be cancelled

W. A. W.

C. A.

Recorded

2 The receipt of the
fresh estimate referred
to is awaited

W.
27.1.86

g. O. No 1195 W. 12. 5. 84
7ms 1063 C. 30-5. 84
g. O. No 2115 W. 27. 8. 84
" " 640 W. 16. 3. 88

P. W. D.
Roads and Buildings.

No 201 C of 15 Jan 86.
To Ch.

I find for this work have been provided in the preliminary issue of the Provincial Budget for 1886-87 Item No 161. Please say whether the estimate may now be sanctioned as it stands

W.
15.1.86

No. 1528
To W. - 25 Jan 7886

This estimate provided for work which has been omitted from savings in other estimates, in connection with the Beach improvements - I prepared submitting an estimate for Saturday
C. 13. 4. 85

From
THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,

To
The Secretary to Govt
P. W. Dept.



No. 21.

Dated 7th April 1885
Received

B. M. 25 Jan 86

No. of ENCLOSURES. 4.

Subject.

Submits for sanction estimate for forming & provision of funds an earthen slope on the seaside of the Marina between the Napier Bridge and the P. W. Offices

P. W. D.

Consulting Architect's Office,
Chopra, Madras,
26th January 1886.

No. 1536

From

The Consulting Architect to the Government of Madras.

To

The Chief Engineer
Public Works Department.

Sir,

I have the honor to forward you an Estimate for planing the foreshore from the Public Works Offices to the Hindu Cemetery a distance of 2500 feet.
2 The work will be in all respects similar to that executed to the northward of the Public Works Offices.

Enclosure.
1 Estimate
1 Duplicate
abstract.

I have the honor to be
sir

your most obedt servt.

W. Christie.

Consng architect to Govt.

Public Works Department.

From

THE CONSULTING ARCHITECT

TO THE GOVERNMENT OF MADRAS,

To

The Chief Engineer
P. W. D.



No. 1536

Dated 26th January 1886
Received 27

No. of ENCLOSURES. 2

Subject.

Forwards Estimate for
planting Foreshore from
the Public Works Offices to
the Hindu Cemetery.

Public Works Department, 1885-86.

Current No. 157

Letter No. 536

Dated the 26th January 1886

From the Chief Architect to Govt

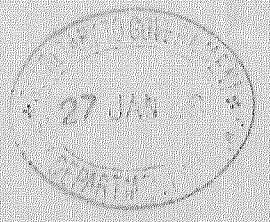
NOTE OF REMARKS.

1. This estimate provides for planting the foreshore of the South Beach Madras at a cost of Rs. 2,788.
2. It is proposed to fill in and slope down that portion of the foreshore lying between the P.W. offices and the Hindu cemetery, a length of 3,500 feet, and, when prepared, to cover it with vegetable earth and manure for the reception of the Kurriali grass which is to be planted all over the surface. — C. R. writes: — "The work will be in all respects similar to that executed to the northward of the Public Works offices."
3. In the case of this estimate which is less than Rs. 1,000 C. R. should have forwarded

2474 p 22/1/86
20107 157/1/86
6604 7 16/3/85
21152 7 27/8/84

Public Works Department.

From
THE CONSULTING ARCHITECT
TO THE GOVERNMENT OF MADRAS,
To
The Chief Engineer
P. W. D.



No. 1536

Dated 26th January 1886
Received 27

No. of ENCLOSURES. 2

Subject.

Forwards Estimate for
planting Foreshore from
the Public Works Offices to
the Hindu Cemetery.

in Committee
improvements
submitting
C. 13.6.89

Public Works Department, 1885-86.

Current No. 153
Letter No. 536
Dated the 26th January 1886
From the Consulting Architect to Govt.

NOTE OF REMARKS.

1. This estimate provides for planting the foreshore of the South Beach Madras at a cost of Rs. 4,708.
2. It is proposed to fill in and slope down that portion of the foreshore lying between the P.W. offices and the Hindu cemetery, a length of 2,500 feet, and, when prepared, to cover it with vegetable earth and manure for the reception of the Kurrali grass which is to be planted all over the surface. — C. R. writes:— "The work will be in all respects similar to that executed to the northward of the Public Works offices."
3. In the case of this estimate which is less than Rs. 10,000 C. R. should have forwarded

the abstract only, with a report,
(para. 1108 of the R. W. Book) he has
however submitted a detailed
estimate and specification
in addition, and this oversight
would scarcely call for ^{excuse}
but that it has led to the
exposure of an error of greater
importance: —

The two most important items
of the proposed work are
the Vegetable earth - No. 1322,
and the Manure - No. 1561.

In the Report it is stated that
the thickness of the coating
of Vegetable earth is to be
1 foot; in the specification
that it is to be 9 inches; while
the figures in the detailed
estimate show that the mean
average thickness of the coat
is to be $\frac{5}{8}$ foot. In the Report it
is stated that the Manure
is to be 8 inches thick; in the
specification that it is to be
3 inches thick; while the detailed
estimate shows the mean
average thickness of the
Manure is to be $\frac{5}{8}$ foot. —

Subject to approval the figures
given in the detailed estimate
must be accepted as repre-
senting correctly the pro-
posed depths of these two
items of work if the estimate
cost which is based on them
may be sanctioned.

Recommended for sanction
the attention of the
C. & G. to call to the
discrepancies in reports
specification & estimate.

29th January/86 1/11/86
B.H.

W.
1/2/86

W.
1/2/86

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Under date the

Read the following

From the C. A. to Govt No 1536 of 26 January 1886.

The estimate amounting to Rs 4.768, for planting the fore-shore of the Madras beach from the P. W. Office to the Hindu burning ground, is sanctioned, & a sum of Rs 2,000 is appropriated to the work from the Provincial reserve with Govt.

2. The attention of the Council

This sum will be sufficient for immediate requirements. The Budget provision will be withdrawn in the final account, & the balance which may be required in 1886-87 can be allotted in the interim.

is to be 1/8 foot.

Architect is drawn
to discrepancies in the
report, specification,
& estimate, with respect
to the depth of vegetable
earth & manure to be
allowed.

3. This section has
been registered as Proj:
No 204 W of 1885-86,
& classified as Misc.
Public Improvements,
Original Works.

W
2-2-86

Noted
Maj

C.A. to govt
with 3 enclos
Govt Secy, with
encl. already
Recd 2-2-86.

B5