Public Works (1897) Department.

G.O., No. 680 W

DATED 9th March 1897

1893/97

[Despatch Abstract.]

Sea Customs House: Estimate of Rs. 20,499 for constructing a new — at Vizagapatam, sanctioned with reserve for execution when funds are available.

100/6

TC 9-3-97

[P.W. 36 1,000-89-11-94.]

Indexed.

9/3/97

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.
	33 c		5-1-97				
	138	W	20-8-96				
			& file				

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

BUILDINGS AND ROADS.
CIVIL WORKS.

Government {1897} of Madras.

PUBLIC WORKS.

Recd. } 1897. *Enclosures*

Regd. } *Spare copies*

G.O., No. 680 W., 9th March 1897.

MARCH.

Sea Customs House

Estimate of Rs. 20,499 for constructing a new — at Vizagapatam, sanctioned, with remark, for execution when funds are available.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Buildings and Roads.
Civil Works.

Read—the following papers :—

Proceedings of the Board of Revenue (Separate Revenue), Mis. No. 4431, dated 24th October 1896.

Read—again the following Board's Proceedings, Mis. No. 3866, dated 12th September 1896 :—

Read—letter from the Collector of Vizagapatam, Ref. on C. No. 2960, dated 26th August 1896.

Abstract.—Submitting plans and estimates for Rs. 21,100 for constructing a new Customs Office at Vizagapatam prepared by the Superintending Engineer, and requesting that the sanction of Government may be obtained to them.

Resolution—Mis. No. 3866, dated 12th September 1896.

The Collector is requested to consider whether it would not be better to have the Sea Custom Collector's room at the south-east instead of the north-east corner. Observation of what was going on at the backwater and on the sands where the manganese ore is now stocked would be improved by the alteration.

2. If this were done, the stairs might lead from the yard instead of from the open street as under the present arrangements.

3. The total cost is high, but a good deal of accommodation is provided for the Marine Department and for the Landing and Shipping Dues clerk. The Presidency Port Officer is requested to state whether he would consent to pay rent for the portion which his department occupies, say, Rs. 25 per mensem. The Collector is requested to ascertain whether the Landing and Shipping Dues Committee will pay a similar monthly contribution.

4. The attention of the Presidency Port Officer is called to the possibility of shifting the flagstaff to a position close to the new Custom House. The Board believes that no practical inconvenience to vessels approaching from the south would be caused by the change.

(True Copy and Extract.)

(Signed) EDMUND MILLETT,
Assistant Secretary.

Read—also the following letter from the Collector of Vizagapatam, Ref. on C. No. 3488, dated 12th October 1896 :—

In reply to Board's Proceedings (Separate Revenue), Mis. No. 3866, dated 12th ultimo, I have the honour to state that I agree with the Board in considering that it would be better to have the Sea Customs Collector's room at the south-east instead of the north-east corner. The Superintending Engineer, I Circle, who has been consulted by me, however, states that it was never intended to build the upper story end to the north. A copy of his letter, No. 514 V.Z., dated 8th instant, is submitted herewith for the Board's information.

2. Referring to paragraph 3, I beg to report that the Landing and Shipping Dues Committee is willing to pay rent for the rooms used by it, as prescribed by the rules laid in the Public Works Department Code, chapter X, paragraph 28, subject to a minimum of Rs. 10 per mensem. A copy of its resolution is enclosed.

3. The plans and estimates returned with the Board's Proceedings under reply are resubmitted herewith.

Read—also the following letter from the Presidency Port Officer, Madras, No. 1780/1984 M., dated 20th October 1896 :—

With reference to Board's Proceedings (Separate Revenue), Mis. No. 3866, dated 12th September 1896, I have the honour to state that I have no objection to the proposed contributions on account of rent being met equally from the District Port Fund and from the Landing and Shipping Dues Fund of Vizagapatam Port.

2. With regard to the proposed new site for the flagstaff at Vizagapatam, I think the present one is the most suitable, as a better view of vessels approaching the port is obtained therefrom.

Resolution—Mis. No. 4431, dated 24th October 1896.

The plans and estimates for the construction of a new Custom House at Vizagapatam are submitted to Government, with reference to G.O., Mis. No. 1462, Revenue, dated 10th April 1896.

2. The estimate amounts to Rs. 21,100 and includes Rs. 2,000 for compensation for land. The amount is somewhat large, but the Board thinks that it would not be advisable to erect a building barely sufficient for present needs at a place, the importance of which as a port is likely to increase as rapidly as Vizagapatam probably will. A considerable portion of the cost will also be covered by receipts as the Landing and Shipping Dues Committee has agreed to pay rent for the rooms used by it according to the rules laid down in the Public Works Department Code, chapter X, paragraph 28, and the Presidency Port Officer is willing to pay rent for accommodation provided for the Superintendent of Sea Customs in his capacity of Port Officer for the District Port Fund. These contributions will probably come to about Rs. 50 per mensem, which capitalized at $7\frac{1}{2}$ per cent. to provide for repairs would come to Rs. 8,000.

(True Copies and Extract.)

(Signed) EDMUND MILLETT,
Assistant Secretary.

Mis. No. 4632, Revenue.

The plan and estimates are approved and transferred to the Public Works Department.

2. The Cuddapah slabs seem unnecessary at a place so many hundreds of miles from Cuddapah.

Fort St. George,
17th November 1896.

(Signed) LIONEL DAVIDSON,
Ag. Under Secretary to Government.

No 680 W of 9-3-97

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

Endorsement in the Revenue Department, No. 4632 Mis., dated 17th November 1896, on Proceedings of the Board of Revenue, Separate Revenue, No. 4431 Mis., dated 24th October 1896.

Note by the Chief Engineer, P. W. D., dated December 1896.

The estimate, amounting to Rs 20,499, as altered by the Chief Engineer, P. W. Department, for constructing a new Sea Customs House at Vizagapatam is sanctioned for execution when funds are available.

2. Attention is drawn to the Chief Engineer's note recorded above.

3. This sanction has been registered as Provincial No. 158 W of 1896-97 and classified as Civil Buildings Original Works.

(1) Is not the cost of this building large in proportion to the accommodation it will provide?

(2) What grounds have the Board for saying, in their Proceedings of 24 Oct. 1896, No 4431, that it is probable that the importance of Vizagapatam, as a port, will rapidly increase?

A.S.H.
22.12.96

The S.E. I Circle with 13 Enclosures.
& Encr. P.W. Circle
& Revenue Deptt.

[P. W. 40. 50—2-9-96.]

[illegible]

[illegible] note in reply to H.E.'s remarks that the cost of the buildings is high in proportion to the accommodation provided.

26-12-96

Sir,

The cost of the proposed buildings, viz. Rs 2-9-6 per sq. ft. on plinth area, does not appear to be high when compared with the following buildings:-

1. Deputy Tahsildar's office at Gumpur in the Vizagapatam Dist. — Rs 2-0-11.
2. Police office & school at Vizagapatam 2-6-8
3. Combined office for the SE & EE at Waltair, Vizagapatam Dist. (Double storied) } 3-14-10
4. Office for the Head Asst. Collector at Ellore, Godavari Dist. } 3-1-2
5. Deputy Tahsildar's office at Sathivada in Chingleput Dist. } 3-15-3
6. Sub-jail wards at Angadipuram, Malabar — 2-9-6
7. Sub-Registrar's office at Tadigadi, Trichinopoly } 2-11-7
8. Deputy Tahsildar's office at Chitral Cuddapah Dist. — 3-7-6

H.E. 18/12. R 26/2

P. W.D.

90. ~~88~~

Note for H.E. the Governor

His Excy's note of 22-12-96 on the draft order flagged A –

Para 1, footn – the cost of the proposed Sea Customs House at Vizagapatam, according to estimate, will be Rs 2-9-6 per square foot on plinth area – this compares favourably with the cost of the following public buildings: –

Deputy Tahsildar's office at Gumpur, Vizagapatam Dist. Rs 2-0-11
Police office & school at Vizagapatam - - - - - Rs 2-6-8
Combined office for the Supty Engr & Exec. Engr at Waltair (Double storied building) - - Rs 3-14-10
Office for the Head Asst. Colr at Ellore, Godavari Dist. Rs 3-1-2
Dy. Tahsildar's office at Sathivada, Chingleput Dist. - Rs 3-15-3
Sub jail wards at Angadipuram, Malabar Dist. - Rs 2-9-6
Sub Registrar's office at Tadigadi, Trichinopoly Dist. Rs 2-11-7

Secy. A.H. 5.3.97

The Estimate is now sanctioned, subject to the conditions in para. 1 of the draft order.

A.H. 5.3.97

+ Taken at random –

To issue. 8/3/97

W

Cn

Dy. Tahsildar office at Chittoor, Cuddapah Dist. Rs 3-7-6.

A portion of the Sea Customs office at Vizagapatam is to be two storied, and the soil being sand, extra depth of foundation has been allowed.

Para 2 of note. The Rev. Board's Pro. of 29.1.97 (flagged B) are submitted for His Excy's perusal.

4/2/97

W

Cir Bd 4.3.97.

P. W. Deptt
C. No 10622

8P

Note by the Chief Engineer, P. W. Department.

The provision made in the estimate for Cuddapah slabs for cornice work has been omitted and ordinary cornice work substituted with reference to para 2 of the endorsement in the Revenue Department No 4632 Mis, dated 17th November 1896. This substitution will reduce the estimate by Rs 736.

2. The sections of the rolled steel girders being slight, they have been increased as shown below and will entail an extra cost of Rs 135.

(a) Customs, Landing and Shipping clerks' rooms - 15"x5" against 12"x5" provided in the estimate.

(b) Customs Godown for consignment. 13"x5" against 10"x4½" provided in the estimate.

(c) Collector's room, upper floor. 15"x6" against 12"x5" provided in the estimate.

3. The

The estimate as thus revised is recommended for sanction.

17/12/96
EW

1101
17.12.96

Public Works

Revenue (1896) Department.

E.14

CURRENT No. ~~7790~~ 10622
1805/97

From

The Board of Revenue,
Separate Revenue.

40

Order

Endorsement No.4632 Mis.

No. 4431 Mis.

The plan and estimates are approved and transferred to the Public Works Department.

2. The Cuddapah slabs seem unnecessary at a place so many hundreds of miles from Cuddapah.

Lowel Gordon
19-X.
Ag.Under Secy.to Govt.

Fort St.George,
17th November 1896.

Dated 24th October 1896

Received ~~29th~~ " 21.11.96

Registered ~~30th~~ " ——.——

Enclosures ~~10~~ 14 (4 Plans)

Spare copies

SUBJECT

Submitting to Government plans and estimates amounting to Rs.21,100 for the construction of a new Sea Custom House at Vizagapatam.

To
The P.W.D.with Encls.
The Board of Rev.,Sep.Rev.

1897
REVENUE DEPARTMENT.
Enclosure No 1
To Current No 1210

For sanctioning -
1101
24.11.96
EW

BACK PAPERS.

G.O.	No.	Department.	Date.
Memo	3455C	P.W.	29-9-96
G.O.	1191	"	4-4-96

FURTHER PAPERS.

G.O.	No.	Department.	Date.

1897
REVENUE DEPARTMENT.
175

1,000
19-4-95

REVENUE BOARD OFFICE
MADRAS.

Proceedings of the Board of Revenue

(Separate Revenue),

Dated 24th Octr 1896.

Mis No. 4431

Read again the following Board's Proceedings Mis No 3866 dated 12th Septr 1896

"Read the letter from the Collector of Vizagapatam, Re, C. No 2960 of 1896, dated 26th August 1896, submitting plans and estimates for Rs 21,100 for constructing a new Customs office at Vizagapatam prepared by the Superintending Engineer and requesting that the sanction of Government may be obtained to them.

Resolution.

The Collector is requested to consider whether it would not be better than the Sea Custom Collector's room at the S.E instead of the N.E. Corner. Observation of what was going on at the back water from the sands where the manganese ore is now stacked would be improved by the alteration.

2. If this were done, the stairs might lead from the yard instead of from the open street as under the present arrangements.

3. The total Cost is high, but a good deal of

of accommodation is provided for the Marine department and for the Landing and Shipping dues clerk. The Presidency Port officer is requested to state whether he would consent to pay rent for the portion which his department occupies — say Rs 25 per mensem. The Collector is requested to ascertain whether the Landing & Shipping Dues Committee will pay a similar monthly contribution

4. The attention of the Presidency Port officer is called to the possibility of shifting the flag staff to a position close to the new Custom House. The Board believes that no practical inconvenience to vessels approaching from the South would be caused by the change."

Read also the letter from the Collector of Vizagapatam Re. C. No. 3488 of 1896, dated 12th Oct 1896

"In reply to Board's Proceedings Mis No. 3866 — dated 12th ultimo, Separate Revenue, I have the honour to state that I agree with the Board in considering that it would be better to have the Sea Customs Collector's room at the South-East instead of the North East Corner. The Superintending Engineer First Circle who has been consulted by me however, states that it was never intended to build the upper story end to the North. A copy of his letter No. 544 — V.L. dated 8th instant is submitted herewith for the Board's information.

2. Referring to Para 3, I beg to report that the Landing & Shipping Dues Committee is willing to pay rent for the rooms used by —

by it, as prescribed by the rules laid in the P. W. Department Code, chap 10 para 28 subject to a minimum of Rs 10 per mensem. A copy of its resolution is enclosed.

3. The plans & Estimates returned with the Board's Proceedings under reply are resubmitted herewith.

Read also the following letter from the Presidency Port officer Madras No $\frac{1780}{1984}$ M dated 20th Octr 1896

"With reference to Board's Proceedings (Separate Revenue) Mis. No. 3866 dated 12th September 1896, I have the honour to state that I have no objection to the proposed contributions on account of rent being met equally from the Dt. Port Fund & from the Landing & Shipping Dues Fund of Vizagapatam Port.

2. With regard to the proposed new site for the flagstaff at Vizagapatam I think the present one is the most suitable, as a better view of vessels approaching the port is obtained therefrom.

Resolution

Resolution.

The plans & Estimates for the construction of a new Custom House at Vizagapatam are submitted to Government with reference to G. O. No. 1462 Rev dated 10th April 1896.

2. The Estimate amounts to Rs 21,100 & includes Rs 2,000 for Compensation for land. The amount is somewhat large but the Board thinks that it would not be advisable to erect a building barely sufficient for present needs at a place, the importance of which, as a port is likely to increase as rapidly as Vizagapatam probably will. A considerable portion of the cost will also be covered by receipts as the Landing & Shipping Dues Committee has agreed to pay rent for the rooms used by it according to the rules laid down in the Public Works Department

Code

x Please see note under Cl. 1185 a/24 385 The cost was estimated at Rs 1,800.

Code Chapter X. para 28, & the Presidency Port officer is willing to pay rent for accommodation provided for the Superintendent of Sea Customs in his Capacity of Port officer for the District Port Fund. These Contributions will probably come to about Rs 50 per mensem, which Capitalized at 1 1/2 % to provide for repairs would come to Rs 8,000.

(True Copy & Extract)

Communicated

Assistant Secretary

To.

The Secretary to Government,
Revenue Department
with plans & Estimates

" The Collector of Vizagapatam

25/4/96

Public Works

Revenue (189 7) Department.

CURRENT No. ~~1810.~~ 1805

7 P

From

The Board of Revenue

(Separate Revenue)

Order MiS.No. 915 d/15th Feby.1897.

Transferred to the Public Works Department with reference to its memorandum No. 33 C, dated 5th January 1897.

No. 354 Mis

Dated 29th January 1897.

Received ~~9th~~ 18" February 1897.

Registered ~~9th~~ 18" ,, ,,

Enclosures ~~15.~~ 18 * (* 4 plans)

Spare copies

Ag:Secy.to Govt.

To the Public Works Deptt. with encs.

SUBJECT.

Reporting to Government the reasons for the Board's remarks as to the probability of a rapid increase in the trade of the Vizagapatam port.

REVENUE DEPARTMENT No. 11 No. 1210

REVENUE DEPARTMENT 12 No. 1725

13 Bus. 1805/97

Y/KS. 16.2.97

BACK PAPERS.

G.O.	No.	Department.	Date.
	33C	P.W.D.	5-1-97
	3455C	-	29-9-96
	1191W	-	4-4-96
	2681C	-	5-9-95

FURTHER PAPERS.

G.O.	No.	Department.	Date.

1,000
19-4-96

REVENUE BOARD OFFICE MADRAS

58.

Proceedings of the Board of Revenue

(Separate Revenue),

Dated 29th January 1897.

Mis No. 354

Read Government Order Routine No 58, Revenue, dated 11th January 1897

Resolution

In reply to the Government Order read above, the Board begs to explain that its reasons for believing that the trade of Vizagapatam is likely to increase rapidly are as follows

2. Notwithstanding the completion of the East Coast Railway and consequent decrease in the import of Railway materials the total value of the trade for the last three years has been as follows:—

1893-94

1893-94 -	Rs 29,04,455
1894-95	Rs 31,88,227
1895-96	Rs 38,83,221
1896-97 to end of December	Rs 32,41,366

During the past year about 48,000 tons of Manganese ore was exported. It is understood that the company concerned expect to ship 80,000 tons during 1897

3 The Board has heard that the Maharaja of Vizianagram has undertaken to guarantee the interest on the cost of constructing the smaller Vizagapatam Harbour project and that proposals on the subject will shortly be laid before Government.

4 It is also understood that a concession for the construction of a broad gauge line from Vizianagram to Parvatipur has been granted to

This concession has lapsed. A.S.H.

to Mr H. G. Turner and that a similar concession has been refused in the case of his proposed railway from Vizianagram to Bimlipatam, the Secretary of State declining to allow anything but a narrow gauge line for this project. This will render the construction of the proposed Bimlipatam railway impossible except at a heavy loss as once the heavy traffic of the interior gets into the broad guage waggon it will not transship on to a different guage leading to an inferior port. The result will be the transfer of all the Bimlipatam trade to Vizagapatam at an early date.

Ruin of Bimlipatam! A.S.H.

5 The Board trust that the facts mentioned above will be considered sufficient to justify

its

its remark as to the probability of a rapid increase in the trade of Vizagapatam

(Transmitted)

Communicated to Assistant Secretary

To the Secretary to Government, Revenue Department with enclosures in original returned

Copy to the Collector of Vizagapatam

8/1/97.

P.W. E.18/1805/97

Revenue (1897) Department.

CURRENT No. 175

CUSTOMS 40

SECY. GOVT. MADRAS 15 JAN 97 REV. DEPT.

From The Public works Dept

Order R No. 587 of 11th January 1897

Forwarded to the Board of Revenue for report.

No. 33 C

Dated 5. 1. 97.

Received 8-1-97

Registered 9-1-97

Enclosures 12.

Spare copies

BOARD OF REVENUE 18 JAN 97 PRIVATE REVENUE BRANCH

SUBJECT.

New Sea custom House at Vizagapatam:

Returning, with remarks, papers connected with the construction of a ——

Reply 9.1.97

To 9 Jan. 97

The Board of Rev: Leys. Rev with papers.

Lest.

Refs

Note

The improvement is expected, apparently, on account of the opening of the East Coast Railway and the consequent expansion of trade.

Please see also this note under G.O. 5880 dated 14.8.96

BACK PAPERS.

G.O.	No.	Department.	Date.
	4632		17-11-96

FURTHER PAPERS.

G.O	No	Department.	Date.

Pub. E. 16 / 1805/97

No. 33C of 5th Jany 1897
P. W.D.

Memo.

In returning the papers received with Rev. Dept endt No 4632 dd 17th Nov 1896, the undersigned is directed to request that the Board of Rev. may be called on to state what grounds it has for saying, in its Res. No 4431 dd 24th Oct 1896, that it is probable that the importance of Nagapattam as a port, will rapidly increase.

28/12/96

T. A.
B. Cne

7/1/97 Cn

To the Rev. Dept
with papers in
orig. (return requested)

8/1

W
His Excy's note might be replied to after the Rev. Dept gives the explanation.
Cn

No. 33C

Government of Madras.

PUBLIC WORKS DEPARTMENT.

MEMORANDUM.

Dated Madras, 5th January 1897.

In returning the papers received with Revenue Department Endorsement No. 4632 Mis. dated 17 November 1896, the undersigned is directed to request that the Board of Revenue may be called on to state what grounds it has for saying, in its Proceedings No. 4431 Mis dated 24 October 1896, that it is probable that the importance of Vizagapatam, as a port, will rapidly increase.

G. H. W. Campbell Colonel R.E.
Secretary to Government

To
The Revenue Department with papers in original
(return requested.)

41-2,000-11-3-95.

P.W. E.17/1805/97

7

13

1210

[P. W. 58.
250—5-8-96.]

Public Works Department.

Current No. 10622

Letter No. 4692 Fin.

Dated 17th November 1896

From the Revenue Department.

TECHNICAL NOTE.

Name of Work Constructing a new Sea Customs House at Vizagapatam.

Amount of Estimate, Rs. 21,100.

PARTICULARS OF ESTIMATE.

Main Building	Rs	18,140
Subsidiary Buildings — Coach House & Stable		620
Subsidiary Buildings — Bath room & latrine		340
Contingencies (about 4 3/4 % Rs 804)		..
Petty Supervision (do 3 % Rs 524)		..
Land Compensation 0·12 acres		2000
Total Rupees ...		21,100.

PARTICULARS OF CONSTRUCTION.

Surface soil / Sub-soil: Reported the pure sand for a depth of 9 feet.

Foundations are proposed to be laid to a depth of 6 feet, the lower 3 feet to be concrete & the upper 3 feet built of rough stone in mortar

Basement is to be carried 2 feet & built of rough stone in mortar

Walls of both the lower & upper floors are to be 15 feet high and built of rough stone in mortar with archwork of bricks in mortar over voids except the parapets which are to be of bricks in mortar.

Plastering or Pointing — the interior surface of walls are to be plastered with 2 coats of chunam & the exterior pointed with surki mortar.

Flooring — is to be of cut stone slabs 15" square & 3" thick laid over a levelling course of 4 inches concrete throughout & pointed with cement

Roofing — is to be terraced throughout with bricks on edge & completely supported on teak joists & rolled steel girders.

Doors and Windows — are to be of teakwood of the descriptions noted in the estimate and painted with 2 coats of Silicate paint.

Roof timbers — are to be of teakwood and wood oiled 2 coats

Scantlings — for roof timbers are correct, there for rolled steel joists slight side remarks.

Rates — are generally fair except for a few sub heads, side remarks.

The plinth area of the main building is 6997 square feet, and the cost per square foot will be Rs. 2-9-6 less Court yard.

The plans and estimates have been countersigned by the Collector of Vizagapatam and approved in the Revenue Dept. with the remark that Cuddapah stone Cornice seems unnecessary.

REMARKS.

The plans and estimate under review amounting to Rs 21100 have been framed with reference to Gov. No. 1191 W dated 4th April 1896 and provide for constructing a new Sea Customs office with outbuildings at Vizagapatam.

The proposed building will be 130 feet long and 60 feet broad, divided in the centre by an arched passage 12 feet wide & will consist of the following rooms:-

Left block. Landing & Shipping clerks 15'x18'
Marine store — 12'x18'
Customs clerks — 15'x18'
Customs godown for — 15'x29'
Consignments — 7'x18'
with arched verandahs 7 feet wide.

Right block. Landing & Shipping clerks 15'x18'
Marine store — 12'x18'
Customs clerks — 15'x18'
Stair-case room — 15'x7'
Marine godown for — 15'x18'
Consignments — 7'x18'
with arched verandahs 7 feet wide.

An upper floor is provided for the Collector over the right wing and will consist of a main room 30'x19' and a verandah setting room 22'x9½' with arched verandahs 9½ feet wide, as per plan.

The outbuildings will be in 2 separate blocks, viz. a Coach house block and bath & latrine block. The former will consist of a coach house 14'x10' and two stalls each 8'x12' and the latter a bath room 8'4"x7' and latrine 8'4"x7'.

In the report it is stated that the main building is designed, as far as possible, to suit the site and requirements of the Port Officer, the walls of the basement floor are made 2 feet thick at the request of the Collector with a view to carry an upper floor should it be found afterwards necessary.

The site has been selected by the Collector & the land available is reported to be just sufficient to occupy the main building. Out buildings it is reported, will have to be located elsewhere & the position of

the interior number of

of these in each ~~case~~ marked on the site plan.

Provision of Rs 2000 has been made for acquiring 0.12 acres of land both in the Collectors land schedule. It is estimated at Rs 2164-14-0.

The sections of the rolled steel girders appear slight & may be increased to the following sections & if the increased sections be approved the extra weight required will be 11.3 cwts & the estimate increased by Rs 135.

W = Load in tons on whole span uniformly loaded.

w = Distributed load in tons that one foot will carry.

L = Length of span in feet.

Customs, Landing & Shipping Clerks room

Weight on girder:

Terrace 18.0" x 7.6" x 0.9" x 120 = 12,150
joists 26 x 7.6" x 3" x 5" x 46 = 934
Live load 18.0" x 7.6" x 120 = 16,200

Total weight lbs neglecting weight of girder 29284

or Tons. 13.08

w = WL = 13.08 x 18 = 235.44.

which corresponds nearly with a coefficient of stress C usually taken in this office, vide page 24 of Dorman & Long's tables plate 61. Therefore a section 15" x 5" weighing 42 lbs per foot will be required & not 12" x 5" as provided for in estimate.

Customs godown for cus. assignment.

Load on girder:

	lbs
Terrace 15.0" x 9.0" x 0.9" x 120	= 12,150
joists 11 x 9.0" x 3" x 6" x 46	= 569
Live load 15.0" x 9.0" x 120	= 16,200
Total weight neglecting weight of girder	28,919

or 12.91 Tons.

w = WL = 12.91 x 15.0" = 193.65.

This corresponds to a section 13" x 9" weighing 41.5 lbs per foot vide plate 64 page 24 of tables, against the estimated section of 10" x 4½".

Collectors room, Upper floor

Load on girder.

Terrace — 19 x 10.0" x 0.9" x 120 = 17,100
joists — 14 x 10.0" x 3" x 6½" x 46 = 872
Live load 19 x 10.0" x 120 — = 22800

Total weight on girder lbs 40,772

or 18.2 Tons

w = WL = 18.2 x 19 = 345.8

according to tables page 24, plate 60 a section 15" x 6" weighing 59 lbs per foot against the estimated section of 12" x 5" may be adopted.

The Revenue Deptt in approving of the plans & estimate remark that the Cuddapah ceiling slab for cornice work seems unnec

unnecessary at a place so many hundreds of miles from Cuddapah, if ordinary masonry cornice be substituted, as per schedule rate, the saving will be Rs 736.

14.12.96

The foundations are in sand 6'. deep & 5 ft wide. an ample. The walls of the basement storey are made 2 ft thick with a view to building an upper storey at some future date. (vide Flag B).

A portion of the building will be rented for Rs 50 per mensem.

Cuddapah slab cornice work should be omitted & ordinary cornice work substituted. This will result in a saving of Rs 736.

The sections of wheel steel girders as proposed in T.i note should be adopted ~~in place of~~. The extra cost will be Rs 135.

With these alterations the estimate may be sanctioned.

15.12.96

Sanctioned

15/12/96