

IN THE NATIONAL GREEN TRIBUNAL
SOUTH ZONE, CHENNAI
Original Application No. 135 of 2016 (SZ)

IN THE MATTER OF:

Dr. C.K. Sreedharan, IFS (Rtd.)

... Applicant(s)

Versus

*Secretary to Government, Public Works Department, Government of Tamil Nadu, Chennai
and Ors.*

...Respondent(s)

Memo filed by Dr D Shanmuganathan, Standing Counsel for the Government of Tamil Nadu

I, Dr D Shanmuganathan, Standing Counsel for the Government of Tamil Nadu filing this report to comply with the Order of the Hon'ble NGT by the Water Resources Department:

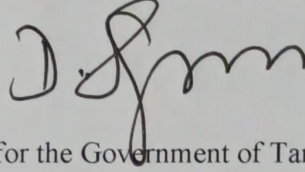
1. It is respectfully submitted that, on 14.2.2017 granted permission for a construction of bridge by way of Government Order (G.O.(Ms) No. 23 as:
... permission was accorded temporarily of a Bailey Bridge across the River Adyar adjacent to the exiting causeway at the Officers Training Academy, Chennai to connect the campus of the Officers Training Academy split on two banks of the river.

2. On 14.9.2018, a letter was sent to the Brigadier-Q Branch that their proposed construction of bridge by is not sufficient to meet the discharge of the flood water. On 30th May 2022, a letter was sent to Garrison Engineer, demanding of

- a. Ground rent: Rs 49,35,000.00
- b. GST: Rs 8,88,300.00
- c. Caution Deposit: Rs 1,00,00,000.00

The above said amount is yet to be deposited by the Garrison Engineer.

Dr. D Shanmuganathan



Standing Counsel for the Government of Tamil Nadu

24th August 2022

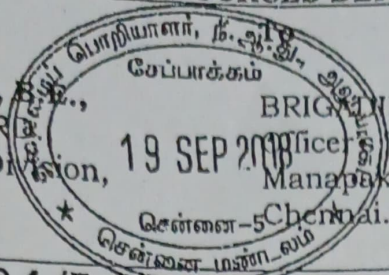
Enclosures

1. G O Ms 23 date 14.2.2017
2. 2. Letter date 11.8.2017
3. 3. Letter date 30.5.22

PUBLIC WORKS DEPARTMENT
WATER RESOURCES DEPARTMENT

From

Er. G. VIJAYAKUMAR, Executive Engineer, WRD, Kosasthalaiyar Basin Division, Thiruvallur.



Letter No: DB/JDO 4 /F. Adayar River-1/ Estimates/2018/ Dt.14. 09.2018

Sir, 009317

Sub : Removal of Existing culvert - Old Bailey Bridge across adayar river - requested - Reg.

DB
OTI
AEI
9/6
18.10.

I invite your kind attention, the old Bailey Bridge Which was Constructed earlier across Adayar river at Officers Training Academy, Manapakkam, Chennai. In 2015, due to heavy flood, the bridge was fully damaged. At present, the low level bridge was reconstructed by your department.

Here, this bridge was designed with 18 Nos of 600mm dia and 18 Nos of 900mm dia pipes in a unlined position for discharging the flood water of Adayar river. It is insufficient for discharging the flood water. Due to this, flood was occurred in the Airport Runway which is in upstream side of this bridge.

Hence, I request you to take expeditious action to construct the High Level bridge and remove the existing low level bridge immediately to ensure free flow of water and to avoid unforeseen incidents in future.

Executive Engineer, PWD/WRD, Kosasthalaiyar Basin Division, Thiruvallur.

Copy submitted to the Chief Engineer, WRD., Chennai Region, Chennai-5 for favour of information.

Copy submitted to the Superintending Engineer, WRD., Palar Basin Circle, Chennai-5 for favour of information.

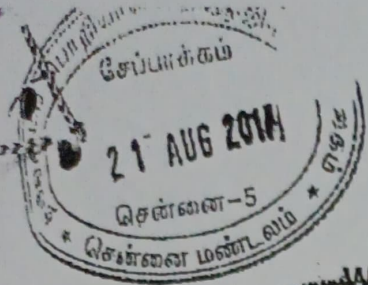
Sir/madam,

Executive Engineer, PWD/WRD, Kosasthalaiyar Basin Division, Thiruvallur.

20/9
14/9/18

(Record)

V. A 11.10.18
AEI
11.10.18
OTI



010450

GOVERNMENT OF TAMILNADU
WATER RESOURCES DEPARTMENT

செ.மொ.	செ.மொ.
செ.ந.மொ.	21/8/17
செ.மொ.நி.அ.	21/8/17
	WRD.,

From
Er. M. BAKTHAVATHSALAM, M.Tech., M.I.E.,
Engineer-in-Chief, WRD, PWD
Chepauk, Chennai - 600 005.

To
The Chief Engineer,
Chennai Region,
Chennai - 5.

Letter No.S7(1)/68809/OT5/2003-8 Dated 11.08.2017

Sir,

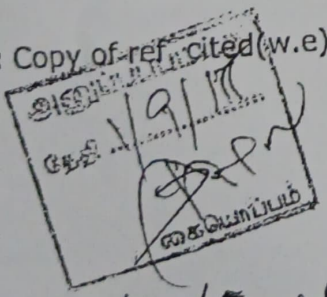
Sub: Officers Training Academy - Causeway across Adyar - Repair of existing causeway - permission requested - Regarding.

Ref: Officers Training Academy Letter No.907 /Adyar River Br/ Q1, dated 27.06.2017.

In the reference cited, the Officers Training Academy have requested permission to carry out the repair to the existing causeway in order to use the causeway till the construction of permanent bridge across the Adyar river.

A copy of the reference cited along with its enclosure is appended for taking necessary action. The action taken report on the above subject may be furnished to this office early.

Encl: Copy of ref. cited (w.e)



[Signature]
for Engineer-in-Chief, WRD

Endt no: TI/AEI/F - Adyar/2011/DT-31.8.17

copy of the letter communicated to the
AE., WED., Palau Basin circle, ch-5
and requested to send the for taking necessary
report to this office immediately. action taken

[Signature]
31.8.17
AEI

[Signature]
for CE/WRD.
ch-5

O/o the Executive Engineer, WRD., Kosasthalaiyar Basin Division, Thiruvallur.

TRACK RENT CALCULATION

Proposed Construction of a permanent high level RCC bridge across Adayar river to connect the campus of the Officer Training Academy, St.Thomas Mount, Chennai District

Area of RCC Bridge proposed = 125 x 13 = 1625 Sq.m

The guide line value for S.F No.170 is not available in revenue records as it is a channel poromboke hence the adjoining land which is proposes to be utilized land in SF No. 163 of Manapakkam village for taken as calculation.

Guideline value of S.No : 163 = Rs.7215/- M²

Total Value of land = 1625.00 M² x 7215
= Rs.1,17,24,375/-

Track rent per annum is 7% of total value of land. For commercial purposes, it must be doubled

Track rent = 2 x 7/100 x 1,17,24,375
= Rs.16,41,412.50/-

Say Rs.16,45,000/- per annum

For Three years = Rs. 16,45,000 x 3

= Rs.49,35,000/-

GST @ 18% = 49,35,000 x 18%

GST For Three Years = **Rs. 8,88,300/-**

O/c

Executive Engineer, WRD.,
Kosasthalaiyar Basin Division,
Thiruvallur.

30/05/2022

30/5/22

30/5/22

WATER RESOURCES DEPARTMENT

o/c

From
Er.C.Podhupanithilagam, M.E.,
Executive Engineer, WRD,
Kosasthalaiyar Basin Division,
Thiruvallur.

To
Garrison Engineer,
St.Thomas Mount,
Rudra Road, Old MH Complex,
Chennai-600 016

436-1

Letter No. DB/JDO.2/F.40 /NOC/2022/ Dated. 30.05.2022

Sir,

Sub: Permission accorded for Construction of a permanent high level RCC bridge across river Adyar to connect the campus of the Officer Training Academy, St.Thomas Mount, Chennai District, which is located on both sides of the river - Design of RCC Bridge - 1625.00M² - Renewal of Lease Track Rent - Reg.

Ref: 1. The Chief Engineer, (Wks), Chennai Region, Chepauk, Chennai-5's Lr. No. 2737/109/E2/ Dated.10.05.2022.
2. G.O.(Ms)No.23/PW(K2)Dept, Dated:14.02.2017.
3. Your Application letter dated.13.05.2022.

With reference to the above, It is stated that the lease period for the proposed Permission accorded for Construction of a permanent high level RCC bridge across river Adyar to connect the campus of the Officer Training Academy, St.Thomas Mount, Chennai District for which the permission has been accorded by the Government Order in the reference 2nd cited.

In this connection you are requested to pay the lease amount of Rs.49,35,000/- (Rupees Forty Nine Lakh Thirty Five Thousand only) towards the lease rent for the period of three years and to pay the GST at Rs.8,88,300/- (Rupees Eight Lakh Eighty Eight thousand and Three hundred only) and also to pay Rs.1,00,00,000/- (Rupees One Crore only) as caution deposit without further delay failing which the lease agreement will not be executed. The amount for the lease agreement should be payable only in the form of Demand Draft in favour of "The Executive Engineer, WRD., Kosasthalaiyar Basin Division, Thiruvallur".

This receipt of this letter may be acknowledged.

Encl.:- Calculation Sheet

DESPATCHER
G.O. & TM
CHENNAI
Received

D. Sathesh
10/6/22

o/c

Executive Engineer, WRD,
Kosasthalaiyar Basin Division,
Thiruvallur

30/5/22

30/5/22

30/5/22



ABSTRACT

Construction of a Permanent High Level Reinforced Cement Concrete Bridge across River Adyar to connect the campus of the Officer Training Academy, St.Thomas Mount, Chennai, which is located on both sides of the river – Permission granted – Orders – Issued.

Public Works (K2) Department

G.O.(Ms) No.23

Dated 14.02.2017

துன்முகி, மாசி 2

திருவள்ளூர் ஆண்டு 2048

Read again :

1. G.O. (Ms) No. 208, Public Works (K1) Department, Dated: 10.08.2012

Read also:

2. From the Chief Engineer, Water Resources Department, Chennai Region, Chennai, Letter No. T1 / 4944 / 2016, dated 27.11.2015.
3. From the Deputy Commandant and Chief Instructor, Officers Training Academy, Chennai-16, Letter No. 907 / Adyar / 22 / Q1, dated 24.05.2016 and 31.08.2016.
4. From the Chief Engineer, Water Resources Department, Chennai Region, Chennai, Letter No. T1 / AE1 / F-Bailey Bridge / 2016, dated 04.08.2016 and 24.10.2016.
5. From the Engineer-in-Chief, Water Resources Department and Chief Engineer (General), Public Works Department, Letter No. S7(1) / 68809 / OT5 / 2003, dated 2.9.2016.
6. From the Commandant, Officers Training Academy, Letter No. 907 / Adyar River Br / 83 / Q1, dated 08.09.2016.

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ORDER:

In the Government Order first read above, permission was accorded temporarily for construction of a Bailey Bridge across the River Adyar adjacent to the

existing causeway at the Officers Training Academy, Chennai, to connect the campus of the Officers Training Academy split on two banks of the river.

2. In the letter second read above, the Chief Engineer, Water Resources Department, Chennai Region, had stated that due to heavy rainfall during November 2015 and release of excess flood water from Chembarambakkam tank and from other tanks in and around Adyar basin, it received 50,000 cusecs of flood water and the heavy flood flow in the River Adyar washed away the earthen ramp of the Bailey bridge constructed by the Officers Training Academy, Chennai at their cost across the River Adyar.

3. In the letter third read above, the Deputy Commandant and Chief Instructor, Officers Training Academy, has stated that the Academy has vast training infrastructure spread across the Campus on both sides of River Adyar. The training areas are connected through a bridge of 150 ft (45m) across the Adyar River which was constructed by the Army temporarily after taking due permission of Government of Tamil Nadu vide the Government Order first read above. Extensive damage was caused to the Officers Training Academy by the deluge in November / December 2015 and they are keen to avoid such a recurrence. He has also stated that a Bailey Bridge of 300 ft (90m) length spanning the entire width will now be laid at the site. A temporary Bailey Bridge is essential and absolutely necessary to ensure uninterrupted conduct of training. Meanwhile, construction of a Permanent Reinforced Cement Concrete Bridge adjacent to the temporary bridge is being planned and slated for construction in December 2016 for which a sum of Rs.11.00 crore has already been earmarked by the Ministry of Defence and No Objection Certificate was sought for from the Public Works Department (vide Letter No. 907/Adyar/10/Q1, dated 10.05.2016). The Deputy Commandant and Chief Instructor, Officers Training Academy, has therefore requested to give necessary permission for laying a temporary Bailey Bridge of 300 ft (90m) span to be constructed as per technical parameters such as gradient and other hydraulic parameters of the Adyar linear water way without affecting the linear flow of water before the onset of monsoon.

4. The Commandant, Officers Training Academy, in his letter dated 31.08.2016, has stated that due to the damages and displacement of bridge, movement of persons and materials across the river is severely hampered which has adversely affected the training of Cadets who are undergoing Pre-Commission Training at the Academy. In view of the above, it was found that a concrete bridge is essential to ensure movement of persons and vehicles across the Adyar River and to carry out training of the Cadets. The construction of a bridge will ensure unhindered traffic across the Adyar River and uninterrupted training even during inclement weather conditions and the cost of construction of the concrete bridge across the Adyar River at the Officers Training Academy, Chennai, was assessed by the Chief Engineer, Chennai Zone, as Rs.1635.93 lakh and necessary funds for construction of a Permanent Reinforced Cement Concrete Bridge have already been allotted by Ministry of Defense, Government of India. He has also requested that

Government permission may be given to construct a High Level Reinforced Cement Concrete Bridge with the specifications as given by the Chief Engineer, Water Resources Department, Chennai Region, Chennai.

5. In the letters fourth read above, the Chief Engineer, Water Resources Department, Chennai Region, has stated that if the Officers Training Academy desires to construct any bridge across the River Adyar at that location, it should be constructed as a High Level Bridge with the following hydraulic particulars of Adyar at the proposed Bridge location :-

Length of Bridge / Linear WaterWay	: 125 M
Bed Level of Bridge	: (+) 3.850 M
Sill Level of Bridge	: (+) 3.850 M
Maximum Flood level observed during December 2015 floods	: (+) 13.295 M
Bottom Level of Deck Slab	: MFL (13.295) + Free Board of 1.50 M = (+) 14.795 M

Based on the site condition, the Chief Engineer has recommended for according permission to Officers Training Academy for construction of a High Level Bridge across Adyar River at their own cost, subject to certain conditions. In the letter 5th read above, the Engineer-in-Chief, Water Resources Department and Chief Engineer (General) Public Works Department, has recommended the proposal of the Chief Engineer, Water Resources Department, Chennai Region.

6. Meanwhile, in the letter sixth read above, the Commandant, Officers Training Academy, has stated that the permanent bridge will be constructed not before 2018. However, there is an inescapable requirement of a temporary bridge to ensure movement of persons and vehicles across Adyar River to carry out training of Cadets. Till the availability of permanent bridge, i.e, 2018, it is proposed to repair and re-construct the Army Bailey Bridge across the River Adyar which was washed away in the floods of December 2015. During re-construction, care will be taken to not impede the flow of River Adyar by having an additional span instead of bund. In view of the above, he has requested to accord permission to construct a temporary Bailey Bridge connecting the campus of Officers Training Academy split on the east and west banks of the River Adyar for a temporary period upto the year 2018.

7. The requests of the Officers Training Academy were examined in a meeting held by the Principal Secretary, Public Department, on 25.10.2016 with Major General Vijay Choukley, Deputy Commandant, Officers Training Academy, Principal Secretary, Public Works Department and Engineers of Public Works Department and it was decided, among others, to accord permission to the Officers Training Academy for construction of a Permanent High Level Bridge across the

River Adyar, based on the recommendations and conditions of the Chief Engineer, Water Resources Department, Chennai Region. It was also decided that permission need not be accorded to the Officers Training Academy for reconstruction of the temporary Bailey bridge across the River Adyar, since a permanent bridge is to be constructed.

8. After careful examination, the Government have decided to accord permission to the Officers Training Academy for construction of a permanent high level bridge only and permission need not be accorded for reconstruction of the temporary Bailey Bridge. Accordingly, permission is accorded to the Officers Training Academy for permanent construction of a High Level Reinforced Cement Concrete Bridge across the River Adyar, adjacent to the existing causeway at Officers Training Academy, Chennai, to connect the campus of the Officers Training Academy on two banks of the River Adyar, subject to the conditions annexed to this order.

(BY ORDER OF THE GOVERNOR)

S.K. PRABAKAR
PRINCIPAL SECRETARY TO GOVERNMENT

To

The Commandant, Officers Training Academy, St. Thomas Mount, Chennai-16.

The Engineer-in-Chief, Water Resources Department and Chief Engineer (General Public Works Department, Chennai-5.

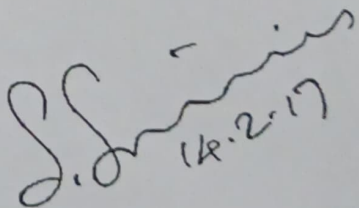
The Chief Engineer, Water Resources Department, Chennai Region, Chennai-5.

Copy to

The Principal Secretary to Government, Public (Military) Department, Secretariat, Chennai-9.

✓ Stock File / Spare Copy.

// Forwarded by Order //


14.2.17

Section Officer

RES.
14/02/17

ANNEXURE TO G.O (Ms) No.23, PUBLIC WORKS (K2) DEPARTMENT,
Dated 14-02-2017

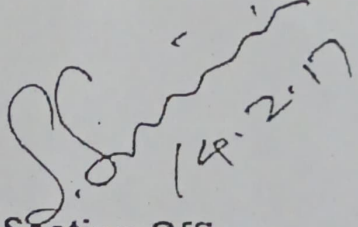
Conditions stipulated by the Chief Engineer, Water Resources Department, Chennai Region, for construction of High Level Reinforced Cement Concrete Bridge across the River Adyar.

1. The Officers Training Academy should evolve the design and drawings of the proposed permanent Bridge after incorporating the Hydraulic Particulars of River Adyar and it should be got approved by the Executive Engineer, Water Resources Department, Kosasthalaiyar Basin Division, Thiruvallur, before commencement of the work.
2. There should not be any hindrance to free flow of water through the existing River during construction as well as after the construction by removing the coffer dam constructed for diverting the flow during construction.
3. The Officers Training Academy should pay tract rent for the area occupied by the proposed bridge for which necessary proposal will be prepared based on receipt of design details and plan for the bridge.
4. The proposed High Level Bridge should be constructed with sufficient vent ways for the entire width of 125m between abutments on both sides, in consultation with Public Works Department / Water Resources Department officials, as per the hydraulic parameters of the River.
5. The proposed High Level Bridge should be constructed only in the alignment decided during the joint inspection and the Officers Training Academy should strictly adhere to maintain the hydraulic particulars of the River.
6. The sill level of the proposed High Level Bridge should be maintained as (+) 3.850M and the bottom level of Deck Slab should be (+) 14.795M and these should be got executed in the presence of the Public Works Department Officials only.
7. The Officers Training Academy should construct the High Level Bridge at their own cost and they are solely responsible for the structural safety and stability of the proposed structure.
8. Advance intimation should be given to the Public Works Department officials concerned before the commencement of work.
9. The Public Works Department officials should be allowed to inspect the site at any time during execution as well as after completion of the work.
10. While construction of the high level bridge, the Officers Training Academy should provide river protection works on the upstream and downstream sides of the bridge to be constructed.

11. After the completion of the work, the damaged portion of the river embankment, bank connecting, if any, should be set right and restored to the original condition.
12. The Officers Training Academy should enter into an Agreement with the Executive Engineer, Water Resources Department, Kosasthalaiyar Basin Division, Thiruvallur, after getting permission from the competent authority.
13. The Officers Training Academy should not carry out any other cross masonry structures across the River without prior permission from the Public Works Department.
14. The permission granted is liable to be revoked, if breach of any of the above conditions is noticed and in the event of such revocation, the Officers Training Academy shall not be eligible for any compensation or whatsoever.

S.K. PRABAKAR
PRINCIPAL SECRETARY TO GOVERNMENT

/// TRUE COPY ///


14.2.17
Section Officer

KPS
14/02/17