

## HIGHWAYS DEPARTMENT

From  
P.Marimuthurajan.M.E.,  
Superintending Engineer (H),  
Construction & Maintenance  
Madurai -2

To  
The Superintending Engineer (PWD),  
WRO,  
Madurai.

Lr no.563 / AE-1 / 2022-23 / Vaigai NB Road / dt 20.02.2023

Sir,

<b>Sub:</b>	Madurai (H) C&M, Circle - Madurai (H) C&M Division - Construction of Vaigai river North Bank Road Km 0/0 - 8/0 from Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near Samayanallur -Proposal -PWD Concurrence- Requested- Reg.
<b>Ref:</b>	G.O.(Ms). No:125, Highways and Minor Ports (HS1) Department dated 12.07.2022.

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1. With reference to the above, It is informed that the work of "**Construction of Vaigai river North Bank Road Km 0/0 - 8/0 from Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near Samayanallur**" has been Administratively Sanctioned by the Govt of Tamil Nadu for an amount of Rs.95.94 Crore.

2. The Relevant drawing for Proposed new formation road with earthen embankment of side slope 1: 1 ½ including toe wall is enclosed herewith. In connection with the provisions made in the slope protection along the river bank, the Superintending Engineer (PWD), WRO is requested for joint inspection with Highway officials on 22.02.2023 and give the technical suggestions based on the flow pattern in Vaigai River for getting concurrence from PWD (WRO), Madurai

Encl : 1.G.O Copy

2. Drawings

20/02/23  
AE(H)-I

DSE(H)

o/c  
20/2/23  
Superintending Engineer  
Construction and Maintenance  
Madurai -02

## WATER RESOURCES DEPARTMENT

From

To

Er. A. Pazhanichamy, M.E., M.I.E.,  
Superintending Engineer, WRD.,  
Periyar Vaigai Basin Circle,  
Madurai – 2.

The Superintending Engineer (H),  
Construction and Maintenance,  
Madurai

**Lr. No. DB / D1 / 78M / C. NOC/2023/Dated 28.02.2023.**

Sir,

Sub: Madurai (H) C & M, Circle – Madurai (H) C & M Division –  
Formation of Vaigai river North Bank Road Km 0 / 0 – 8 / 0 from  
Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near  
Samayanallur – proposal – WRD concurrence – reg.

Ref.: 1. G.O. (2D) No. 68 Public Works (P1) Department /  
Dated 27.09.2019.  
2. G.O. (Ms) No. 125 Highways and Minor Ports (HS1)  
Department Dated 12.07.2022  
3. Superintending Engineer (H), Construction and Maintenance,  
Madurai Lr.No. 563/AE-1/2022-23/Vaigai NB Road/Dated  
20.02.2023.

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With reference to the G.O. in 2<sup>nd</sup> cited Administrative sanction for  
Rs. 95.94 Crores towards Formation of Vaigai river North Bank Road  
Km 0 / 0 – 8 / 0 from Kamarajar Bridge to Varanasi Kanniyakumari road  
(NH 44) near Samayanallur.

The above site was inspected along with Highways Superintending  
Engineer, Divisional Engineers, Executive Engineer, WRD., Periyar Vaigai  
Basin Division, Madurai, Assistant Executive Engineer, WRD., Periyar Vaigai  
Basin Sub Division No,2, Madurai, Assistant Engineer and Superintending  
Engineer, WRD., Periyar Vaigai Basin Circle, Madurai on 21.02.2023.

In this regard, it is reported that total Vaigai river length from Peranai  
Regulator to Virahanoor Regulator is 48 Km. (L.S. 34.00 Km to 82.00 Km ).  
In which the NHA road (Samayanallur fourway bridge) crossing at LS 63.00  
Km. The entire stretch in between NHA road to Kamarajar Bridge for the  
length of 8 KM was inspected.

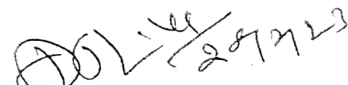
As per the proposal approved by Government for formation of road in  
the left side bank of Vaigai River for the length of 8 Km consists of formation


of earthen bund to the required level with 1 : 1 ½ slope in the river side portion and formation of road over the earthen bund.

During inspection it is proposed by WRD that the present proposal that formation of earthen bund may not withstand heavy floods in the Vaigai River when occurs (the maximum flood discharge about 1,08,000 Cusec). Moreover the new road formed by National Highways under the scheme of Revamped Central Road Fund (RCRF) as per G.O. 1<sup>st</sup> cited, in the both side of Vaigai River from Kamarajar Bridge to Virahanoor ring road about 8 Km with RCC retaining wall in the river side may be withstand the heavy flood flows occurs in the Vaigai River.

Hence it is reported that the proposal may be modified and designed to consider the Maximum flood Discharge of 1,08,000 Cusec in Vaigai River with necessary RCC retaining wall and form the road in the left side of Vaigai River.

Hence the proposal may please be revised and resubmit for necessary NOC from competent authority of WRD.

  
Superintending Engineer, WRD.,  
Periyar Vaigai Basin Circle, Madurai.

  
28/02/23

616  
28.2.2023

**WATER RESOURCES DEPARTMENT**

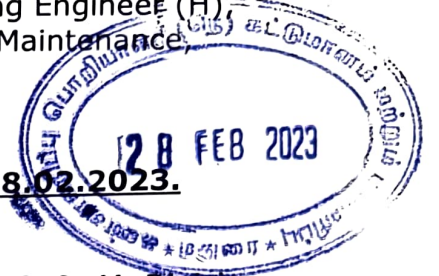
From

Er. A. Pazhanichamy, M.E., M.I.E.,  
Superintending Engineer, WRD.,  
Periyar Vaigai Basin Circle,  
Madurai - 2.

To

The Superintending Engineer (H),  
Construction and Maintenance,  
Madurai

**Lr. No. DB / D1 / 78M / C. NOC / 2023 / Dated 28.02.2023.**



ச.கா.பொ.	Sir,
தி.க.க.பொ.	
ச.பொ.	
ப.பொ.பொ.	

Sub: Madurai (H) C & M, Circle - Madurai (H) C & M Division -  
Formation of Vaigai river North Bank Road Km 0 / 0 - 8 / 0 from  
Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near  
Samayanallur - proposal - WRD concurrence - reg.

- Ref.: 1. G.O. (2D) No. 68 Public Works (P1) Department /  
Dated 27.09.2019.  
2. G.O. (Ms) No. 125 Highways and Minor Ports (HS1)  
Department Dated 12.07.2022  
3. Superintending Engineer (H), Construction and Maintenance,  
Madurai Lr.No. 563/AE-1/2022-23/Vaigai NB Road/Dated  
20.02.2023.

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With reference to the G.O. in 2<sup>nd</sup> cited Administrative sanction for Rs. 95.94 Crores towards Formation of Vaigai river North Bank Road Km 0 / 0 - 8 / 0 from Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near Samayanallur.

The above site was inspected along with Highways Superintending Engineer, Divisional Engineers, Executive Engineer, WRD., Periyar Vaigai Basin Division, Madurai, Assistant Executive Engineer, WRD., Periyar Vaigai Basin Sub Division No,2, Madurai, Assistant Engineer and Superintending Engineer, WRD., Periyar Vaigai Basin Circle, Madurai on 21.02.2023.

In this regard, it is reported that total Vaigai river length from Peranai Regulator to Virahanoor Regulator is 48 Km. (L.S. 34.00 Km to 82.00 Km ). In which the NHAI road (Samayanallur fourway bridge) crossing at LS 63.00 Km. The entire stretch in between NHAI road to Kamarajar Bridge for the length of 8 KM was inspected.

As per the proposal approved by Government for formation of road in the left side bank of Vaigai River for the length of 8 Km consists of formation



of earthen bund to the required level with 1 : 1 ½ slope in the river side portion and formation of road over the earthen bund.

During inspection it is proposed by WRD that the present proposal that formation of earthen bund may not withstand heavy floods in the Vaigai River when occurs (the maximum flood discharge about 1,08,000 Cusec). Moreover the new road formed by National Highways under the scheme of Revamped Central Road Fund (RCRF) as per G.O. 1<sup>st</sup> cited, in the both side of Vaigai River from Kamarajar Bridge to Virahanoor ring road about 8 Km with RCC retaining wall in the river side may be withstand the heavy flood flows occurs in the Vaigai River.

Hence it is reported that the proposal may be modified and designed to consider the Maximum flood Discharge of 1,08,000 Cusec in Vaigai River with necessary RCC retaining wall and form the road in the left side of Vaigai River.

Hence the proposal may please be revised and resubmit for necessary NOC from competent authority of WRD.

  
Superintending Engineer, WRD.,  
Periyar Vaigai Basin Circle, Madurai.

  
28/02/23

## HIGHWAYS DEPARTMENT

From  
P.Marimuthurajan.M.E.,  
Superintending Engineer (H),  
Construction & Maintenance  
Madurai -2

To  
The Chief Engineer (H),  
Construction & Maintenance,  
Chennai-25.

Lr no.616/AE-1/2022-23/Vaigai NB Road/dt 30.03.2023

Sir,

<b>Sub:</b>	Madurai (H) C&M, Circle - Madurai (H) C&M Division – Construction of Vaigai river North Bank Road Km 0/0 - 8/0 from Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near Samayanallur – Revised Administrative Sanction requested – Reg
<b>Ref:</b>	1.G.O.(Ms). No:125, Highways and Minor Ports (HS1) Department dated 12.07.2022. 2. The Superintending Engineer, WRD, Periyar Vaigai Basin Circle Lr.No : DB/D1/78M/C.NOC/2023/Dated 28.02.2023. 3. The Divisional Engineer (H) C & M, Madurai Lr No 78/SDO/2023/Vaigai North Bank Dated 30.03.2023.

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The Govt of Tamil Nadu vide ref (1) cited has accorded Administrative Sanction for the work of **“Construction of Vaigai river North Bank Road Km 0/0 - 8/0 from Kamarajar Bridge to Varanasi Kanniyakumari road (NH 44) near Samayanallur”** to an amount of Rs.95.94 Crore. The estimate was prepared with two lane paved shoulders over Vaigai river north bank with earthen embankment of 1:1.5 slope on both sides.

During joint inspection with Superintending Engineer, WRD, Vaigai basin, Madurai on site, it was reported that “the present proposal of formation of earthen bund may not

withstand heavy floods in the Vaigai river when occurs (the maximum flood discharge about 108000 Cusec). Moreover, the new road formed by NH in the both side of Vaigai river from Kamarajar bridge to Virahanoor ring road about 8 Km with RCC retaining wall in the river side may withstand the heavy flood occurs in the Vaigai river. Hence, it is reported to modify the proposal with necessary RCC retaining wall and design the road considering the Maximum Flood Discharge."

On considering the above report, the road alignment is proposed with 8 Km of retaining wall on river side. Due to incorporating of cost of 8 Km length of retaining wall, the cost of original estimate will be increased to Rs.176.00 Crores. So, it is necessary to get Revised Administrative sanction from the Government.

Hence, I request necessary Revised Administrative sanction may please be obtained from the competent authority.

Encl:

1. RAS Proposal – 2 Nos
2. Main estimate – 1No
3. Sub estimates-10 Nos
4. Alignment & CS dwg – 1 No

o/c

30/03/20  
Superintending Engineer  
Construction and Maintenance  
Madurai -02.