



ABSTRACT

Highways Department – Projects Wing – Vellore Division - Railway Works Program 2015-16 - Construction of Road Over Bridge at Km 3/0 of Goodanagaram - Anakanallur road in lieu of existing Level Crossing No.67 at Railway Km 160/2-4 in between Melalathur and Valathur Railway stations - Administrative and Financial Sanction – Accorded – Orders - Issued.

Highways and Minor Ports (EAP-I(1)) Department

G.O.(Ms) No. 230

Dated : 09.12.2022

சுபகிருது, கார்த்திகை-23, திருவள்ளூர்வராண்டு 2053

Read:-

1. G.O. (Ms) No.139, Highways and Minor Ports (HQ2) Department, Dated. 26.11.2015.
2. G.O. (Ms) No.4, Highways & Minor Ports (HQ2) Department, dated 02.01.2019.
3. Announcement made by Hon'ble Minister of PWD, Highways and Minor Ports Department, Tamil Nadu in Assembly during Budget Session dated 12.04.2022.
4. From Chief Engineer (H), Projects, Letter No.1494/W2/2015/LC67 Dated 27.05.2022 and 09.09.2022.

ORDER:

In the Government Order first read above, Administrative Sanction was accorded for the work of "Construction of Road Over Bridge at Km 3/0 of Goodanagaram - Anakanallur road in lieu of existing Level Crossing No.67 at Railway Km 160/2-4 in between Melalathur and Valathur Railway stations" under Railway Works Programme 2015-16 on 50:50 cost sharing basis for Rs.25.52 Lakhs towards preparation of Detailed Project Report.

2. In the Government Order second read above, the Government has accorded Administrative Sanction for carrying out land acquisition process for a sum of Rs.178.00 Lakhs.

3. In the letter fourth read above, the Chief Engineer (H), Projects has stated that the above work has been announced by the Hon'ble Minister for Public Works, Highways & Minor Ports Department during Budget demand for the year 2022-23. The alignment for the above work was approved by the alignment Committee on 19.05.2015. The Railway GAD has been approved on 02.09.2015. The Chief Engineer (H), Planning, Designs and Investigation has sent the detailed quantity estimate and structural drawings based on the Approved Railway GAD.

4. The Chief Engineer (H), Projects has furnished the Technical details of the proposed Road over Bridge as mentioned below:-

Type of Bridge	Road Over bridge
No. of spans	20
Length of bridge	772.211 m
Type of Superstructure	RCC T- Beam cum slab superstructure
Width of ROB and Carriage way	7.50m overall width of superstructure 8.50m with 0.5m crash barrier on both sides (Necessary widening in curve portion proposed as per IRC 38)
Gudiyatham side	
Ramp portion (Slope 1 in 28.5)	Ch 220.174 to Ch 488.645
Solid fill portion	Ch 220.174 to Ch 368.645 (148.471m)
Trestle portion	Ch 368.645 to Ch 488.645 (144.000m) 6 Spans of 24.0 m C/c
Level Portion	Ch 488.645 to Ch 512.645 (24.00m) 1 Spans of 24.0 m C/c
<u>Railway portion</u>	Ch 512.645 to Ch 549.885 (37.240 m)
GAD	Drg.No CBE/GM 1/409/2015
Existing Rail level	RL + 99.979
Proposed road level	RL + 109.167
Angle of skew	22°53'7"
Angle of Crossing	67°6'53"
Ananganallur Side	
Level Portion	Ch.549.885 to ch.573.885 (24.00m) 1 Spans of 24.0 m C/c

Ramp Portion (slope 1 in 50)	Ch 573.885 to Ch 992.385
Trestle Portion	Ch.573.885 to ch.885.885 (24.00m) 14 Spans of 24.0 m C/c
Solid fill portion	Ch.885.885 to ch.992.385 (106.500 m)
Thickness of wearing coat	75mm uniform thick
Sub structure	RCC Single circular column pier and RCC abutment
Ramp in solid fill	RE Wall & PCC Retaining wall
Foundation	Open Foundation (A1, P1 tp P5; P8-P10) Pile Foundation (A2, P6-P7; P11-P18)
Seismic Zone	III
Exposure	Moderate
Grade of steel	Fe 500D

Based on the approved drawings and Quantity Estimate, the cost estimate for the above work was prepared for an amount of Rs.34.97 Crore adopting the prevailing Schedule of Rates 2021-22.

5. The Chief Engineer (H), Projects has further stated that the estimate has been revised based on Schedule of Rates 2022-23 and is detailed below:

1	Bridge Proper	Rs. 17,32,81,732
	Add (CGST 9%+SGST 9%)12% G.S.T As per Notification No.31/2017	Rs. 3,11,90,712
	Cost of Bridge Proper including GST (A)	Rs.20,44,72,444
2	Sub Estimates	
i	Construction of RE wall on Gudiyatham side	Rs.2,50,67,448
ii	Construction of RE wall on Ananganallur side	Rs.1,25,11,866
iii	Provision for approach road to the bridge	Rs.45,50,195
iv	Provision for deck drainage arrangement	Rs. 9,26,370

v	Provision for Disposal of surplus earth	Rs. 8,40,420
vi	Provision for road furniture	Rs. 9,58,899
vii	Provision for safety kerb	Rs. 18,47,770
viii	Provision for Box culvert	Rs. 40,52,908
ix	Provision for Painting	Rs. 44,50,564
x	Provision for Pedestrian subway	Rs. 1,25,05,424
xi	Provision for fencing and Pier protection	Rs. 15,72,510
xii	Provision for Improvements to Diversion road to the bridge	Rs. 19,23,098
xiii	Provision for Improvements to Junction	Rs.1,54,67,565
	Cost of Sub estimates	Rs. 8,66,75,037
	Add (CGST 9%+SGST 9%)18% G.S.T As per Notification No.31/2017	Rs. 1,56,01,507
	Cost of Sub estimates including GST (B)	Rs.10,22,76,544
3	Lumpsum Provisions	
i	Shifting of utilities	Rs. 40,00,000
ii	Variation in depth of foundation @ 10. % of foundation cost	Rs. 37,75,085
iii	Increase in cost of materials and labour escalation @ 5% per annum for 2 years	Rs. 3,06,74,899
iv	Advertisement charges	Rs. 40,00,000
v	Road safety audit fund and road safety measures 1%	Rs. 30,67,490
vi	Lighting Arrangement	Rs.33,42,000
vii	Labour welfare fund @ 1%	Rs. 30,67,490
viii	Quality Control charges 1%	Rs. 30,67,490
ix	Provision for Petty Supervision charges and Contingencies @2.50%	Rs. 76,56,558
x	Provision for Protection of Tank bund	Rs. 10,00,000

xi	Provision for Strengthening the Tank bund	Rs. 25,00,000
xii	Provision for PWD Deposit and Rent	Rs. 11,00,000
	Cost of Lumpsum Provisions (C)	Rs. 6,72,51,012
	Total Cost of Project (A+B+C)	Rs.37,40,00,000

6. The Chief Engineer (H), Projects has therefore requested the Government to accord Administrative sanction for the work of, "Construction of Road Over Bridge at Km 3/0 of Goodanagaram - Anakanallur road in lieu of existing Level Crossing No.67 at Railway Km 160/2-4 in between Melalathur and Valathur Railway stations" for an amount of Rs.37.40 Crores [Rupees Thirty Seven Crores Forty Lakhs only].

7. The Government, after careful examination, accept the proposal of the Chief Engineer (H), Projects and accord Administrative Sanction for an amount of Rs.35,99,84,288/- (Rupees thirty five crore ninety nine lakh eighty four thousand two hundred and eighty eight only) for the work of "Construction of Road Over Bridge at Km 3/0 of Goodanagaram - Anakanallur road in lieu of existing Level Crossing No.67 at Railway Km 160/2-4 in between Melalathur and Valathur Railway stations" and accord financial sanction for a sum of Rs.10,00,000/- (Rupees Ten lakh only) for the current financial year 2022-23. The balance amount will be released in the subsequent financial years based on the requirement.

8. The expenditure sanctioned in para 7 above shall be debited under the following head of account:-

5054 Capital Outlay on Roads and Bridges – 03.State Highways-
101.Bridges – JG Construction of over and under bridges in lieu of
existing level crossings –416-Major Works-01.Major works.

(D.P.Code: 5054-03-101-JG-41601)

9. The expenditure sanctioned in Para 7 above shall constitute an item of "New Instrument of Service" and approval of the Legislature will be obtained in due course. Pending approval of the Legislature, the expenditure will be initially met by an advance from the Contingency Fund. The Chief Engineer (Projects), Highways Department is directed to calculate the actual amount required for the period upto next Supplementary Estimates and apply for sanction of the same as advance from the Contingency Fund to Finance (B.G-I) Department directly in Form 'A' appended to the Tamil Nadu Contingency Fund Rules, 1963 along with a copy of this order. Orders for sanction of an advance from the Contingency Fund will be issued from Finance (B.G-I) Department. The Chief Engineer (Projects), Highways Department is also directed to send a draft explanatory notes for inclusion the above expenditure in the Supplementary Estimates 2022-2023 to Finance (BG-I/PW-I) Department without fail.

10. This order issues with the concurrence of the Finance Department vide its U.O.No.51961/PW-I/2022, dated: 07.12.2022 and Additional Sanction Ledger No. 1980 (One thousand nine hundred and eighty) (IFHRMS ASL No.2022121980).

(By Order of the Governor)

Pradeep Yadav
Principal Secretary to Government

To

The Chief Engineer (Projects), Highways Department, Chennai-25.
The Chief Bridge Engineer, Southern Railway, Chennai-3
The Accountant General, Chennai-18/35.
The Pay and Accounts Officer (South), Chennai-35.

Copy to:

Office of the Hon'ble Chief Minister, Chennai-9.
The Private Secretary to Principal Secretary to Government,
Highways and Minor Ports Department, Chennai-9.
The Personal Assistant to Joint Secretary to Government,
Highways and Minor Ports Department, Chennai-9.
Finance (PW-I/BG-I/BG-II/W&M-I) Department, Chennai-9.
SF/SC
C.No.10256/EAP-I(1)/2022

//Forwarded By Order//

S. Shrinidhi
12/12/2022
Section Officer
SS