



### ABSTRACT

Tamil Nadu Irrigated Agriculture Modernization Project (TNIAMP) – Water Resources Department - Administrative sanction for a sum of Rs.272.18 crore to take up works for 21 packages in 8 sub basins viz., Lower Vellar, Thurinjalar, Poiney, Lower Coleroon, Sathaiyar, Therkkar, Lower Vaigai and Aliyar sub basins under Phase IV of World Bank assisted TNIAMP- Orders- Issued.

### Water Resources (WR1) Department

G.O.(D) No. 273

Dated 10.11.2022

சுபகிருது, ஜப்பசி 24

திருவள்ளூர் ஆண்டு 2053

#### Read:-

1. G.O. (Ms) No.140, Public Works (WR1) Department, dated 22.5.2018.
2. G.O (Ms.) No.142, Public Works (WR1) Department, dated 07.10.2021
3. From the Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai Letter No. TNIAMP/F-155/Phase IV/2019, dated 6.4.2022.

#### ORDER:

In the Government Order first read above, block administrative sanction has been accorded for a sum of Rs.2962 crore (455.80 million US Dollar including the fund assistance of 318 million US Dollar from the World Bank at the exchange rate of Rs.64.98 per US Dollar) for Tamil Nadu Irrigated Agriculture Modernization Project (TN IAMP) with a project period of 7 years from 2017 to 2024.

2. Hon'ble Minister (Finance and Human Resources Management) has announced in the Budget speech for RBE 2021-2022 that phase III and phase IV of TNIAMP with World Bank assistance will be implemented.

3. Accordingly, in the Government Order second read above, Administrative Sanction has been accorded for a sum Rs.189.8089 crore for the works including Environmental and Ground Water Component for 25 Packages of 9 Sub Basins of phase-III under World Bank assisted TN IAMP.

4. In the letter 3<sup>rd</sup> read above, the Engineer-in-Chief and Chief Engineer (General), Water Resources Department, has stated that in this project, implementation of Rehabilitation and Modernization of System tanks, Non-system tanks, Anicuts, Rivers and Supply channels in 66 Sub Basins covering an extent of 5.43 lakh hectare was planned to carry out in a phased manner in order to improve their performance thereby to increase the

commandability of ayacut and food production under sub component A2–Irrigation Systems Modernization for an amount of Rs.2131.34 crore.

5. He has also stated that out of 66 Sub basins under TNIAMP, 43 Sub basins have been taken up for implementation under Phase I, II & III, for a total ayacut of 3.99 lakh hectare. The balance 23 Sub basins have been dropped from TNIAMP, based on the reasons such as urbanization, adverse Environmental issues, no interdepartmental activities, implemented in some other schemes, etc. Hence in order to cover the balance 1.44 lakh hectare (5.43 lakh hectare-3.99 lakh hectare), rehabilitation works as additional proposals in the already implemented Sub basins under TNIAMWARM and TNIAMP were presented in a nutshell to the World Bank team for obtaining approval, during the 5<sup>th</sup> Implementation Support Mission held from 21<sup>st</sup> to 23<sup>rd</sup> September 2020. Accordingly, In-Principle approval of the World Bank was obtained for the implementation of the proposals in the already implemented Sub basins under TNIAMWARM and TNIAMP under Phase IV of TNIAMP and was mentioned in the Aide Memoire of the 5<sup>th</sup> Mission of the World Bank as follows:-

“The Bank agreed to extend the support to include additional works proposed under Phase-1 and Phase-2 sub-basins as well as sub-basins other than those currently proposed under project, subject to sound financial, technical and economic feasibilities”.

6. He also stated that 10 Sub basins were proposed for implementation under Phase IV, which consists of 6 TNIAMP sub basins and 4 TNIAMWARM Project sub basins. The Principal Secretary and Project Director, MDPU, TNIAMP was requested to obtain approval of the World Bank to take up rehabilitation work components proposed in the following 10 Sub basins under Phase IV of TNIAMP:-

- 1) LowerVellar
- 2 ) Thurinjalar
- 3) Poiney
- 4) Lower Coleroon
- 5) Cauvery Delta
- 6) Nandhiyar Kulaiyar
- 7) Sathaiyar
- 8) Therkkar
- 9) Lower Vaigai
- 10) Aliyar.

Accordingly, the World Bank on 8.11.2021 has given approval for list of sub basins and works under Phase IV. Hence, Detailed Project Reports (DPRs) for 10 Sub Basins (9 DPRs + 1 estimate for Lower Coleroon Sub basin) under Phase-IV were prepared based on the Schedule of Rates for the year 2021-2022 for an amount of Rs.604.39 crore, covering an ayacut of 1.423 lakh ha. as per the current requirement. The Detailed Project Reports of 10 Sub basins were placed in the Technical Committee constituted for additional proposals and the Committee had recommended to send the DPRs to the World Bank for obtaining clearance. The Detailed Project Reports of the 10 sub basins were sent to the Principal Secretary and Project Director, MDPU, TNIAMP for obtaining necessary approval of World Bank. During the 6<sup>th</sup> Implementation and Mid-Term Review Support Mission held during September 27-October 15, 2021, it was informed to the World Bank that an additional cost of Rs.167.75 crore is required for component A2 of TNIAMP i.e., Irrigation System Modernization. The World Bank accepted the request for additional funds and mentioned in the Aide Memoire of 6<sup>th</sup> Implementation and Mid-Term Review Support Mission held during September 27-October 15, 2021, that there are savings from devaluation of rupee value

against USD and the remaining US\$-INR exchange rate savings could be used to undertake the additional works. However, the Bank informed that the use of such savings has to be agreed between the State and Department of Economic Affairs (DEA).

7. He has also stated that No Objection Certificate (NOC) for the estimate of Lower Coleroon Sub Basin and Detailed Project Reports of Lower Vaigai, Lower Vellar, Therkkar, Sathaiyar, Thuringalar, Aliyar and Poiney sub basins have been received from the World Bank. For the remaining 2 Sub basins viz., Cauvery Delta and Nandhiyar Kulaiyar Sub basins action is being taken separately. The total cost of "Rehabilitation of the System Tanks, Non System Tanks, Anicuts, Supply channels and Canals including Environmental Component, L.S. provision at 3.5%, GST at 12% and On Farm Development (OFD) Works comprising of 21 packages in 8 sub-basins work out to Rs.272.18 crore, covering 0.64 lakh hectare. The detailed estimates of the packages have been prepared based on the Schedule of Rates for the year 2021-2022. The Ayacut and Cost details of the 8 Sub basins are as follows:-

Sl. No.	Region	Sub basin	Ayacut (Ha)	No. of Packages	Estimate (Rs. in Lakh)
1	Chennai	Lower Vellar	9700.97	2	4650.00
2		Thuringalar	1916.96	2	729.00
3		Poiney	8814.96	2	1950.00
4		Lower Coleroon*	-	1	642.00
<b>Sub Total</b>			<b>20432.89</b>	<b>7</b>	<b>7971.00</b>
5	Madurai	Sathaiyar	15837.44	5	7218.00
6		Therkkar	7870.00	4	3300.00
7		Lower Vaigai	12639.00	3	5306.66
<b>Sub Total</b>			<b>36346.44</b>	<b>12</b>	<b>15824.66</b>
8	Coimbatore	Aliyar	7350.10	2	3422.00
<b>Sub Total</b>			<b>7350.10</b>	<b>2</b>	<b>3422.00</b>
<b>GRAND TOTAL</b>			<b>64129.43</b>	<b>21</b>	<b>27217.66</b>
*In Lower Coleroon Sub basin, Veeranam tank has already been taken up under Phase II of TNIAMP. Now, it is proposed to provide Water Bound Macadam (WBM) road on top of foreshore bund of the tank from LS 0 M to 30650 M.					

8. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai has therefore requested the Government to accord Administrative sanction for a sum of Rs.272.18 crore to take up works for 21 packages in 8 sub basins viz.,

Lower Vellar, Thuringalar, Poiney, Lower Coleroon, Sathaiyar, Therkkar, Lower Vaigai and Aliyar sub basin under Phase IV of World Bank assisted TNIAMP.

9. The Government after consideration, have decided to accept the proposal of the Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai and hereby accord Administrative sanction for a sum of Rs.272.18 crore (Rupees Two hundred seventy two crore and eighteen lakhs only) to take up works for 21 packages in 8 sub basins viz., Lower Vellar, Thuringalar, Poiney, Lower Coleroon, Sathaiyar, Therkkar, Lower Vaigai and Aliyar sub basin under Phase IV of World Bank assisted TNIAMP, as detailed in Annexure to this order. Out of Rs.272.18 crore, Financial Sanction of Rs.37,79,30,000/- is accorded for the current Financial Year 2022-2023 and a sum of Rs.94,42,00,000/- is accorded for next Financial Year 2023-2024 and balance amount will be released based on the progress of works.

10. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is the Estimating, Reconciling and Controlling Authority for the new Head of Account "4701-04-800-PA and 4702-00-800-PY." The Pay and Accounts Officer/ Treasury Officer concerned are directed to open the above new Head of Account in their books.

11. The expenditure sanctioned in para 9 above shall constitute an item of "New Services" and the approval of the Legislature shall be obtained in due course. Pending approval of the Legislature, the expenditure may be met by drawl of an advance from the Contingency Fund. Orders regarding which will be issued by Finance (BG-I) Department Separately. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai is directed to send necessary proposals to Government in Finance (BG-I) Department directly in Form 'A' appended to the Tamil Nadu Contingency Fund Rules, 1963 along with a copy of this order for sanction of an advance from the Contingency Fund. He is also directed to send necessary explanatory notes for inclusion of the above expenditure in the Supplementary Estimate 2022-2023 to Finance (PW-II/ BG-I) Department at an appropriate time.

12. This order issues with the concurrence of the Finance Department vide its U.O.No.81/ADS(PW)/PW-II/2022 dated 09.11.2022 and Additional Sanction Ledger No. 1738 (One thousand seven hundred and thirty eight) (IFHRMS ASL .No.2022111738).

**(BY ORDER OF THE GOVERNOR)**

**SANDEEP SAXENA**  
**ADDITIONAL CHIEF SECRETARY TO GOVERNMENT**

To  
The Project Director,  
Tamil Nadu Irrigated Agriculture Modernization Project,  
Multi Disciplinary Project Unit Office, Chennai – 5.  
The Engineer-in-Chief and Chief Engineer (General),  
Water Resources Department, Chennai – 5.

The Chief Engineer, Plan Formulation,  
Water Resources Department, Chennai – 5.  
The Chief Engineer,  
State Ground and Surface Water Resources Data Centre,  
Water Resources Department, Chennai – 113.  
All Regional Chief Engineers, Water Resources Department.  
The Agricultural Production Commissioner and Secretary to Government,  
Agriculture and Farmers Welfare Department, Chennai – 9.  
The Principal Secretary to Government,  
Animal Husbandry, Dairying, Fisheries and Fishermen Welfare Department,  
Chennai – 9.  
The Director of Agriculture, Chepauk, Chennai – 5.  
The Director of Agricultural Marketing and Agri Business,  
Guindy, Chennai – 32.  
The Commissioner of Horticulture and Plantation Crops,  
Chepauk, Chennai – 5.  
The Chief Engineer, Agricultural Engineering, Nandanam, Chennai – 35.  
The Registrar,  
Tamil Nadu Agricultural University, Coimbatore-641 003.  
The Registrar,  
Tamil Nadu Veterinary and Animal Sciences University/  
The Tamil Nadu Fisheries University, Chennai / Nagapattinam.  
The Principal Accountant General (Accounts and Entitlements/ Audit), Chennai – 18.  
The District Treasury Officer, Concerned District.

Copy to

The Office of the Hon'ble Chief Minister, Secretariat, Chennai-9  
The Finance (PW-II/BG-I/BG-II/W&M-I) Department, Chennai – 9.  
The Agriculture and Farmers Welfare Department, Chennai – 9.  
The Animal Husbandry, Dairying, Fisheries and Fishermen Welfare Department,  
Chennai – 9.  
The Resident Audit Officer, Office of the Principal Accountant General  
(General and Social Sector Audit), Secretariat, Chennai – 9.  
Stock File / Spare Copy.

**//FORWARDED BY ORDER//**

*S. Umadevi*  
10/11/2022  
**SECTION OFFICER**

*[Faint, illegible handwritten text]*

AnnexureG.O.(D) No. 273, Water Resources (WR1) Department, dated 10.11.2022

Sl. No.	Package No	Name of Work	Estimate cost Rs.in lakh (2021-22 SoR)	Head of account
<b>CHENNAI REGION</b>				
<b>I</b>	<b>LOWER VELLAR SUB BASIN</b>			
1	01/TN IAMP/ WRD/LVR/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of 5 Tanks, 1 Anicut and its Supply Channel in Mangalore Block of Thittakudi Taluk, 4 Tanks and its Supply Channel in Mangalore Block of Veppur Taluk, 1 Tank, 1 Anicut and its Supply Channel in Nallur Block of Veppur Taluk, 1 Anicut and its supply channel in Nallur Block of Thittagudi taluk, 1 Tank and its Supply Channel in Vridhachalam Block of Vridhachalam Taluk, 1 Anicut and its supply channel in Kammapuram Block of Vridhachalam Taluk and 1 Bed Dam and its supply channel in Kammapuram Block in Srimushnam Taluk of Cuddalore District under Lower Vellar Sub basin	4647.00	4700- Capital outlay on Major Irrigation- 04- Vellar Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works.  (IFHRMS DPC: 4700-04-800-PA-41601)
		<b>Sub Total</b>	<b>4647.00</b>	
2	02/TN IAMP/ WRD/LVR- Env/ Works/ Phase IV/2021- 22	Implementation and Monitoring of Environmental and Social Management Framework for Lower Vellar sub basin.	3.00	
<b>Total for Lower Vellar Sub Basin</b>			<b>4650.00</b>	

II		THURINJALAR SUB BASIN		
3	01/TN IAMP/ WRD/TJR/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of Sathanur left Bank Main Canal from LS. 26.800 to 35.200km, 15R Distributory Canal from Ls.0.000 to 6.900km and 11R(A) Distributory Canal from LS.0.000 to 5.460km in Tiruvannamalai Block of Tiruvannamalai Taluk in Tiruvannamalai District under Thuringalar Sub Basin.	724.50	4700- Capital outlay on Major Irrigation- 02- Pennaiyar Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works.
		<b>Sub Total</b>	<b>724.50</b>	
4	02/TN IAMP/ WRD/ TJR-Env/ Works/ Phase IV/2021-22	Implementation and Monitoring of Environmental and Social Management Framework for Thuringalar sub basin.	4.50	(IFHRMS DPC: 4700-02-800-PA- 41601)
<b>Total for Thuringalar Sub Basin</b>			<b>729.00</b>	
III		POINEY SUB BASIN		
5	01/TN IAMP/ WRD/POY/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of Ponnai Anicut in Katpadi Block of Katpadi Taluk in Vellore District and its 2 Canals in Walajah Block of Walajah Taluk in Ranipet District under Poiney Sub Basin.	1946.50	4700- Capital outlay on Major Irrigation- 03- Palar Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works.
		<b>Sub Total</b>	<b>1946.50</b>	
6	02/TN IAMP/ WRD/POY- Env/ Works/ Phase IV/ 2021-22	Implementation and Monitoring of Environmental and Social Management Framework for Poiney sub basin.	3.50	(IFHRMS DPC: 4700-03-800-PA- 41601)
<b>Total for Poiney Sub Basin</b>			<b>1950.00</b>	



<b>IV</b>		<b>LOWER COLEROON SUB BASIN</b>		
7	01/TN IAMP/ WRD/LCN/ Works/ Phase IV/ 2021-22	Improvements to the Foreshore Bund of Veeranam Tank in Kattumannarkoil block of Kattumannarkoil Taluk, Srimushnam block of Srimushnam Taluk and Keerapalayam Block of Chidambaram taluk in Cuddalore District Under Lower Coleroon Sub Basin.	642.00	4700- Capital outlay on Major Irrigation- 01- Cauvery Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works.  (IFHRMS DPC: 4700-01-800-PA- 41601)
		<b>Sub Total</b>	<b>642.00</b>	
<b>Total for Lower Coleroon Sub Basin</b>			<b>642.00</b>	
<b>TOTAL FOR CHENNAI REGION</b>			<b>7971.00</b>	
<b>MADURAI REGION</b>				
<b>V</b>		<b>SATHAIYAR SUB BASIN</b>		
8	01/TN IAMP/ WRD/STR/ Works/ Phase IV/ 2021- 22	Restoration and Rehabilitation of Link Canal from Pickup Anicut of Vaigai Dam to Peranai Regulator in Periyakulam and Nilakottai Block in Periyakulam Taluk of Theni District and Nilakottai Taluk of Dindigul District of Sathaiyar Sub basin	2398.00	4700- Capital outlay on Major Irrigation- 05- Vaigai Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works.  (IFHRMS DPC :4700-05-800-PA- 41601)
9	02/TN IAMP/ WRD/STR/ Works/ Phase IV/ 2021- 22	Restoration and Rehabilitation of Distributory channels in Periyar Main Canal from L.S 10.00 Km to 27.00 Km in Alanganallur block, T.Vadipatti Block and Madurai West Block in T.Vadipatti Taluk and Madurai North Taluk in Madurai District of Sathaiyar Sub basin.	1819.50	

10	03/TN IAMP/ WRD/STR/ Works/ Phase IV/ 2021- 22	Restoration and Rehabilitation of Distributory channels in III <sup>rd</sup> Branch canal and IV <sup>th</sup> Branch canal of Periyar Main Canal in Alanganallur Block, Madurai East and Madurai West Block in T.Vadipatti Taluk and Madurai North Taluk in Madurai District of Sathaiyar Sub basin.	1198.50	
11	04/TN IAMP/ WRD/STR/ Works/ Phase IV/ 2021- 22	Lining of Distributory Channels of Periyar Main Canal from L.S.30.40Km to 47.00Km in Alanganallur Block, Madurai East and Madurai West Block in T.Vadipatti Taluk, Madurai North Taluk and Madurai East Taluk in Madurai District of Sathaiyar Sub basin.	1800.00	
		<b>Sub Total</b>	<b>7216.00</b>	
12	05/TN IAMP/ WRD/STR- Env/Works/ Phase IV/ 2021- 22	Implementation and Monitoring of Environmental and Social Management Frame Work for Sathaiyar Sub basin.	2.00	
<b>Total for Sathaiyar Sub Basin</b>			<b>7218.00</b>	
<b>VI THERKKAR SUB BASIN</b>				
13	01/TN IAMP/ WRD/TKR/ Works/ Phase IV/2021- 22	Rehabilitation of Thirumangalam Extension Main Canal of Thirumangalam Main Canal in Chellampatti and Thirumangalam Blocks of Usilampatti and Thirumangalam Taluk in Madurai District of Therkkar Sub basin.	1499.00	4701- Capital outlay on Medium Irrigation- 04- Gundar Basin- 800 Other Expenditure - Externally Aided Projects- PA- Reservoirs under TNIAM Project II- 416 Major Works- 01 Major Works. (IFHRMS DPC: 4701-04-800-PA- 41601)
14	02/TN IAMP/ WRD/TKR/ Works/ Phase IV/ 2021-22	Rehabilitation of Thirumangalam Main Canal in Therkkar Sub basin of Chellampatti and Thirumangalam Blocks in Usilampatti and Thirumangalam Taluk of Madurai District of Therkkar Sub basin.	799.00	

15	03/TN IAMP/ WRD/TKR/ Works/ Phase IV/ 2021-22	Rehabilitation of Branch Canal VI of Thirumangalam Main Canal in Therkkar Sub basin of Chellampatti Blocks in Usilampatti Taluk of Madurai District of Therkkar Sub basin.	999.00	
		<b>Sub Total</b>	<b>3297.00</b>	
16	04/TN IAMP/ WRD/TKR- Env/ Works/ Phase IV/ 2021-22	Implementation and Monitoring of Environmental and Social Management Frame Work for Therkkar Sub basin.	3.00	
		<b>Total for Therkkar Sub Basin</b>	<b>3300.00</b>	
<b>VII</b>	<b>LOWER VAIGAI SUB BASIN</b>			
17	01/TN IAMP/ WRD/LVB/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of Left Main Canal of Vaigai river below Parthibanur Regulator from LS 0 to 22.20 km and the Salaigramam branch channel in Manamadurai and Illayangudi Block of Manamadurai and Illayangudi Taluks in Sivagangai District of Lower Vaigai Sub basin.	2253.59	4700- Capital outlay on Major Irrigation- 05-Vaigai Basin- 800 Other Expenditure - Externally Aided Projects- PA-Reservoirs under TNIAM Project II-416 Major Works- 01 Major Works.
18	02/TN IAMP/ WRD/LVB/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of Left Main Canal of Vaigai river below Parthibanur Regulator from LS 22.20 to 45.00 km and the Upper and Lower nattarkal branch channels in Nainorkoil and Ramanathapuram Block of Paramakudi and Ramanathapuram Taluks in Ramanathapuram District of Lower Vaigai Sub basin.	3050.07	(IFHRMS DPC:4700-05-800-PA-41601)
		<b>Sub Total</b>	<b>5303.66</b>	
19	03/TN IAMP/ WRD/LVB-Env/ Works/Phase IV/ 2021-22	Implementation and Monitoring of Environmental and Social Management Frame Work for Lower Vaigai Sub basin.	3.00	
		<b>Total for Lower Vaigai Sub Basin</b>	<b>5306.66</b>	
		<b>TOTAL FOR MADURAI REGION</b>	<b>15824.66</b>	

<b>COIMBATORE REGION</b>				
<b>VIII</b>	<b>ALIYAR SUB BASIN</b>			
20	01/TN IAMP/ WRD/ ALIYAR/ Works/ Phase IV/ 2021-22	Rehabilitation and Modernisation of Kulapathukulam Tank, 5 nos Anicuts, 6 Anicut Channels and Vettaikaranpudur Canal and its distributaries in Anamalai Block of Anamalai Taluk of Coimbatore District of Aliyar Sub basin.	3419.00	4702-00- capital outlay on minor irrigation - 800 other expenditure - Externally Aided Project - PY
		<b>Sub Total</b>	<b>3419.00</b>	Parambikulam Aliyar Basin - Rehabilitation Works under TNIAM Project-Major works-01 major works
21	02/TN IAMP/ WRD/ ALIYAR-Env/ Works/Phase IV/ 2021-22	Implementation and Monitoring of Environmental and Social Management Frame Work for Aliyar Sub basin	3.00	(IFHRMS DPC:4702-00- 800- PY 41601.)
	<b>Total for Aliyar Sub Basin</b>		<b>3422.00</b>	
	<b>TOTAL FOR COIMBATORE REGION</b>		<b>3422.00</b>	
	<b>GRAND TOTAL</b>		<b>27217.66</b>	

**SANDEEP SAXENA**  
**ADDITIONAL CHIEF SECRETARY TO GOVERNMENT**

//TRUE COPY//

B. Umesh Kumar  
10/11/2022  
**SECTION OFFICER**