



ABSTRACT

Water Resources Department - Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tenkasi District at an estimated cost of Rs. 4108.15 Lakh availing loan assistance from NABARD under RIDF XXV for the year 2019-2020- Sanction accorded - Orders issued.

Public Works (P2) Department

G.O.(Ms) No.64

Dated: 26.02.2020

விகாரி, மாசி 14,
திருவள்ளூர் ஆண்டு 2051

Read:

1. G.O.(Ms)No.292, Public Works(Ispl-2)Department, dated.22.12.2015.
2. From the Chief Engineer, Plan Formulation, Water Resource Department, Chennai No. Letter No. B / 5183 / 1999 / AE3 / AEE3 / 2018/ dated 28.8.2018, 5.12.2018 and 24.01.2019
3. From the Deputy General Manager, NABARD, Tamil Nadu Regional Office, Chennai Letter No.NB.TN.SP/2215/RIDF-6/RIDF XXV/ 2019-20, dated.20.01.2020.

Order:

In the letters second read above, the Chief Engineer, Water Resources Department, Plan Formulation has sent a proposal for according Administrative Sanction for Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tirunelveli District (now Tenkasi District) at an estimated cost of Rs. 4150 Lakh with NABARD Loan assistance as detailed below:

- (i) During the year 2015-16, in the Assembly Session held on 25.9.2015, the Hon'ble Chief Minister had announced under Rule 110 of the Tamil Nadu Legislative Assembly Rules that Surveying and Leveling Operations including Sub soil investigation and land acquisition for the Scheme of "Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tirunelveli District" will be taken up at a cost of Rs.5.40 Crore (i.e) Rs.5.00 Crore towards land acquisition cost and Rs.40.00 Lakh towards Surveying and Levelling Operation.
- (ii) In the Government order first read above, sanction was accorded for an amount of Rs.5.40 Crore, i.e Rs.5.00 Crore towards land

acquisition cost and Rs.40.00 lakh towards Surveying and Leveling Operations. The Surveying and Leveling operations have been completed by the Plan Formulation Wing and the land acquisition works are being carried out by the Chief Engineer, Public Works Department, Madurai Region, Madurai.

- (iii) During the M.G.R's Birth Centenary Celebrations held at Tirunelveli on 12.11.2017, the Hon'ble Chief Minister of Tamil Nadu announced that funds will be sanctioned shortly for Phase II of the Ramanadhi - Jambunadhi High Level Canal Project.
- (iv) Based on the above announcement, an estimate for the above scheme i.e., "Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tirunelveli District" has been prepared for an amount of Rs.4150 lakh.
- (v) The scheme envisages the following:

a) Ramanadhi and Jambunadhi are tributaries of the Gadana river, which is one of the major tributaries of the Thamirabarani River. The Jambunadhi originates in the Western Ghats and joins with the Ramanadhi near Kadayam village, after traversing a distance of 10.40 km in plains.

b) The tanks under the Jambunadhi System are not getting adequate water from the Jambunadhi due to lack of adequate rain in the catchment areas of the Jambunadhi. But, in the Ramanadhi, after meeting the irrigation demand of the Ramanadhi System, huge quantity of water was found surplus which is wasted into the sea through the Thamirabarani river during floods. Hence, it is proposed to divert the surplus of the Ramanadhi to the Jambunadhi System tanks.

(vi) The Scheme contemplates the following reaches

1. Reach 1A & 1B :

Reach 1A : Excavation of a Link Canal from the Ramanadhi Reservoir foreshore to the Jambunadhi (ie Second Anicut u/s side of Narayanaperi Anicut) for a length of 3215 m, Provision for Construction of a new Head Sluice at LS 0 m and Regulator cum Head Sluice at LS 2800 m are proposed.

Reach 1B: Excavation of a Supply channel offtaking from LS.2800 m of the proposed Link Canal from the Ramanadhi to the Jambunadhi (Reach 1A) to u/s of Kuthalaperi Anicut for a length of 125 m.

2. Improvement to Kuthalaperi Anicut, Narayanaperi Anicut and Narayanaperi Channel.

A) Kuthalaperi Anicut:

The first Anicut of the Jambunadhi is the Kuthalaperi Anicut. Improvements such as construction of Skin Wall, Protection Wall and Apron at the downstream side of the Anicut and Head Sluice are proposed.

B) Narayanaperi Anicut:

The Second Anicut of the Jambunadhi is the Narayanaperi Anicut. Improvements such as replacing the existing shutter of the sluice portion have to be made in order to increase the discharging capacity of the existing head sluice into the Narayanaperi Channel. It is also proposed to form flood banks in the Jambunadhi from the upstream side of the Narayanaperi Anicut to the downstream side of the Kuthalaperi anicut including regrading the river bed to increase the storage capacity at the upper stream side of the Narayanaperi Anicut.

C) Narayanaperi Channel

A Supply Channel takes off from the Narayanaperi Anicut to feed the Narayanaperikulam and the Kaikondarkulam. The length of the channel is 5600 m. It is proposed to carry out improvement works in this channel in order to increase the carrying capacity to 200 cusecs.

Reach 2A : Excavating Pungankulam Supply Channel for a length of 2800 m off taking from LS 150 m of the existing Padmanabaperikulam surplus course and infall into Pungankulam with a carrying capacity of 90 cusecs with construction of necessary Cross masonry works are proposed.

Reach 2B : Excavation of Aladikulam Supply Channel for a length of 1180 m off-taking @ LS 1545 m of the proposed Pungankulam Supply Channel with a carrying capacity of 20 cusecs with construction of necessary Cross masonry works are proposed.

Reach 2C : Excavation of Chennathakulam Supply Channel for a length of 880m offtaking @ LS 2715 m of the proposed Pungankulam Supply Channel with a carrying capacity of 20 cusecs with construction of required Cross masonry works are proposed.

(vii) By implementation of this Scheme, a total ayacut of 1639.08 ha would be benefitted through 21 tanks and 729 wells.

(viii) An extent of 1.02 acre of Wet Land and 44.26 acres of dry land have to be acquired and 9.14 acres of poramboke lands have to be transferred for this scheme. The land acquisition process has been taken up by the Project Circle, Tirunelveli and is in progress.

(ix) The BC ratio of the Scheme works out to 2.51:1 without land acquisition and preliminaries and 2.04:1 with land acquisition and preliminaries.

(x) The Detailed Estimate has been prepared and priced to the Schedule of Rates for the year 2018-19. The Estimate cost works out to Rs.4150.00 lakhs.

2. The Chief Engineer, Plan Formulation, Water Resources Department has therefore requested to forward the above Scheme to NABARD for Loan Assistance and requested Administrative sanction for the above scheme.

3. The proposal of the Chief Engineer, Plan Formulation, Water Resources Department was forwarded to NABARD at a restricted cost of Rs.4108.15 lakh Subsequently, NABARD has sanctioned a sum of Rs.3902.74 lakh as RIDF XXV loan for the above Scheme with state

Government contribution of Rs.205.41 lakh vide its letter third read above.

4. Accordingly, Sanction is accorded for the Work of Diversion of Surplus Water from the Ramanadhi Reservoir to the Jambunadhi System of Tanks and Excavation of a New Canal from the Padmanabaperi Tank to Pungankulam and Lower down Tanks in Tenkasi and Alangulam Taluks of Tenkasi District (formerly Tirunelveli District) at an estimated cost of Rs.4108.15 Lakh (Rupees Forty one Crore, eight lakh and fifteen thousand only) with RIDF Loan assistance of Rs.3902.74 Lakh and State Share of Rs 205.41 Lakh availing loan assistance from NABARD under RIDF XXV for the year 2019-2020 as detailed below:

Description of Work(LS Provision and O&M)	Slice I Amount in Rs (lakh)	Slice II Amount in Rs (lakh).
Civil Works	3332.69	702.77
Electrification Water Supply etc	3.00	1.00
PS Charge	10.00	5.00
Advertisement	3.00	2.00
Labour Welfare (for civil cost)	33.33	6.26
Photo	0.30	0.25
Office Equipment	0.50	1.00
Flood Gauge Measurement	0.50	0.50
Training	0.50	0.50
Project Management	0.50	0.80
Quality Maintenance	1.25	0.50
Fencing	2.00	0.00
Total L.S provision	54.88	17.81
O&M for cost shutter	0.00	0.00
Total (Civil work + L.S Provision)	3387.57	720.58
Total Amount	4108.15 (3387.57+720.58) (Rupees Forty one Crore, eight lakh and fifteen thousand only)	

5.The expenditure sanctioned in para 4 above shall be debited into the following new head of account, under Demand No. 40.01:-

"4701 - Capital Outlay on Medium Irrigation 01 - Thamiraparani Basin 800 - Other Expenditure State's Expenditure CB - Canals - NABARD assistance 416 Major works 01 major works."

IFHRMS (DPC:4701-01-800-CB-41601)
Old (DPC:4701-01-800-CB-1600)

6. The Engineer-in-Chief, Water Resources Department and Chief engineer(General) Public Works Department, Chennai is the Estimating, Reconciling and controlling authority for the above new head of account.

7. The Pay and Accounts Officer / Treasury Officers concerned are requested to open the above new head of Account in their books.

8. The expenditure sanctioned in para 4 above constitutes an item of "New Service" and the approval of Legislature will be obtained in due course. The Engineer-in-Chief, Water Resources Department and Chief engineer(General)Public Works Department, Chennai-5 is directed to send necessary draft explanatory notes for the inclusion of the above expenditure in the Final Supplementary Estimates for the 2019-2020 to Finance (BG-I / PW II) Department at the appropriate time without fail. He is authorized to incur the above expenditure only after obtaining approval from the Legislature.

9. This order issues with the concurrence of the Finance Department vide its U.O.No.8023/P.W-II/2020 dated.26.02.2020 and Additional Sanction Ledger No.3095 (Three thousand ninety five).

(BY ORDER OF THE GOVERNOR)

K.MANIVASAN

PRINCIPAL SECRETARY TO GOVERNMENT

To

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

The Chief Engineer, Water Resources Department, Madurai Region, Madurai-02.

The Chief Engineer, Plan Formulation, Water Resources Department, Chennai-5.

The Accountant General (A & E / Audit-I), Chennai-18.

The District Collector, Tenkasi/Tirunelveli.

The Treasury Officer, Tenkasi/Tirunelveli.

The Chief General Manager, NABARD, 48, Mahathma Gandhi Road, Nungambakkam, Chennai-34

Copy to:

The Hon'ble Chief Minister Office, Chennai-9.

The Senior Personal Assistant to Hon'ble Deputy Chief Minister. Secretariat, Chennai-9

The Finance(PW II/BGI/ BGII/RESII) Department, Chennai-9.

The Resident Officer, O/o.the Principal Accountant General, Secretariat, Chennai-9

The Public Works (ISpl)Department, Secretariat, Chennai-9 Sf/Scs.

// FORWARDED / BY ORDER //

[Signature]
27/2/2020
Section Officer
[Signature]