



SPID 1329

ABSTRACT

Water Resources Department – Announcement made by Hon'ble Minister (Water Resources) - "Strengthening and Rehabilitation of Model Infrastructure of Institute of Hydraulics and Hydrology (IHH) Poondi, Thiruvallur" at an estimated cost of Rs.4.94 Crore - Administrative Sanction accorded – Orders - Issued.

Water Resources (R1) Department

G.O. (3D) No.39

Dated 20.12.2021

பிலை, மார்தகுதி 5,
திருவள்ளூர் ஆண்டு 2052

Read :

From the Chief Engineer, Plan Formulation, Water Resources Department, Letter No. B4 / 2308 / Announcement 21-22 / IHH Poondi/AE 1/AEE 1/Chennai Region/2021, Dated: 06.10.2021

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ORDER:

During the Budget session - Demand for Grants for Water Resources Department on 23.08.2021, the Honourable Minister for Water Resources made announcements on the floor of assembly that the offices of the Water Resources Department are functioning in rental buildings at various places. Many offices are functioning in old buildings. Therefore, it is proposed to construct new buildings for Regular Divisions and Sub Division, Staff Quarters, IHH Poondi, Quality Control Division and Sub Division and Laboratories in a phased manner in 5 years.

2. Based on the above announcement, the Chief Engineer, Plan Formulation, Water Resources Department has sent a proposal for "Strengthening and Rehabilitation of Model Infrastructure of Institute of Hydraulics and Hydrology (IHH) Poondi, Thiruvallur" for Rs.5.00 crore.

3. He has stated that the scheme envisages the following:-

a) **INFRASTRUCTURE AT IHH POONDI**

This institute campus at Poondi, Thiruvallur has the following infrastructure to create physical models for conducting model studies in Hydraulic and Coastal structures as per the requirements of clients.

- i. Right flank Laboratory area 4.23 ha, with exclusive model trays.
- ii. Left flank Laboratory area 9.8 ha, with exclusive model trays.
- iii. Coastal model trays equipped with wave paddles for generating uniform waves for studying coastal problems
- iv. Large model trays of 50m x 20m for conducting physical model studies inside an exclusive Hanger building.

- v. Research Library with over 30,000 technical books, reports and magazines.
- vi. Irrigation System Models.
- vii. Madras Basin Model.
- viii. Exclusive Workshops for Mechanical, Electrical and Carpentry works.
- ix. Exhibit section for preparing the relief models.
- x. Glass flumes for flow studies.
- xi. Conference hall.
- xii. Weather station (defunct)
- xiii. Inspection bungalow and Parks.
- xiv. Power generators for uninterrupted model studies.

b) NECESSITY FOR REPAIRS AND REVAMPS

The above valuable infrastructure which were created long back are in damaged condition which needs revamping for efficient working flumes meant for conveying water system. The side and bottom lining of the flume has cracks and show distress due to ageing and damages caused by the alternate wetting and drying. Further during the Vardah cyclone havoc in the year 2016, some of the trees inside the campus got uprooted by the turbulent winds and fell on the nearby housing sheds of the model trays causing complete damage. This model sheds needs to be replaced with new truss and roofing arrangements. Further the network of roads inside the campus is in dilapidated condition which needs complete relaying.

c) Proposed Repairs and Revamping

- i. Right Flank Area
- ii. Left Flank Area
- iii. Development of Science Park
- iv. Improvements to inspection bungalow of I.H.H Poondi
- v. Relaying of roads

d) Abstract of the estimate

| Sl. No. | Name of Work | Estimate in lakh (rounded) |
|---------|---|----------------------------|
| 1 | Revamping the dilapidated model sheds in Right Flank lab area of I.H.H, Poondi. | 63.00 |
| 2 | Special Repairs to the static tank, flumes, shutters, water intake arrangements in the Right Flank area of I.H.H, Poondi. | 15.00 |
| 3 | Improvements to Director office, Division office, library and workshops in Right Flank area of I.H.H, Poondi. | 34.00 |
| 4 | Laying of flexible pavement - BT road in Right Flank campus of I.H.H, Poondi. | 34.00 |
| 5 | Construction of compound wall along the periphery of Right Flank area of I.H.H, Poondi. | 64.00 |

| | | |
|----|---|---------------|
| 6 | Revamping the dilapidated model sheds in Left Flank lab area of I.H.H, Poondi. | 36.00 |
| 7 | Revamping the Recirculation system in Left Flank area of I.H.H, Poondi. | 57.00 |
| 8 | Repairs to office buildings in Left Flank campus of I.H.H, Poondi. | 28.00 |
| 9 | Laying of flexible pavement - BT road in Left Flank campus of I.H.H, Poondi. | 21.00 |
| 10 | Improvements to Science park of I.H.H, Poondi. | 100.00 |
| 11 | Improvements to Inspection Bungalow of I.H.H, Poondi. | 29.00 |
| 12 | Laying of flexible pavement - BT road leading to weather station inside the IB campus of I.H.H, Poondi. | 19.00 |
| | Total | 500.00 |

e) The estimate was prepared based on the schedule of Rates for the year of 2021-2022.

4. The Chief Engineer, Plan Formulation, Water Resources Department has therefore requested to accord administrative sanction for the work of "Strengthening and Rehabilitation of Model Infrastructure of Institute of Hydraulics and Hydrology (IHH), Poondi, Thiruvallur" for an amount of Rs. 5.00 crore under State fund.

5. The Government, after careful examination, have decided to accept the above proposal of the Chief Engineer, Plan Formulation, Water Resources Department by restricting the cost of the works to Rs.4.94 crore. Accordingly, the Government accord Administrative sanction for the work of "Strengthening and Rehabilitation of Model Infrastructure of Institute of Hydraulics and Hydrology (IHH), Poondi, Thiruvallur" at an estimated cost of Rs.4.94 Crore (Rupees Four crore and ninety four lakh only) as detailed below under State Fund:-

| Sl. No. | Description of Work | Amount (in Rupees) |
|---------|--|-----------------------|
| 1. | Civil Works | 4,31,99,320 |
| 2. | Provision for GST @ 12% | 51,83,918 |
| | Sub total | 4,83,83,238 |
| 3. | Labour Welfare Fund @ 1% | 4,31,993 |
| 4. | Provision for Advertisement Charges | 1,50,000 |
| 5. | Provision for Petty Supervision charges & Unforeseen Items | 4,31,993 |
| | Grand Total | 4,93,97,224/- |
| | Rounded to | 4.94 crore |

6. The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

2701 – MEDIUM IRRIGATION 80 – General 004 – Research – State's Expenditure AA – Irrigation Research Experiments – 317 Minor works 01 Minor works.

[IFHRMS DPC: 2701 80 004 AA 317 01]

7. The expenditure sanctioned in para 5 above shall constitute an item of "New Instrument of Services" and the approval of the Legislature will be obtained in due course. The Engineer-in-Chief and Chief Engineer (General), Water Resources Department, Chennai-5 is directed to send necessary draft explanatory notes for inclusion of the above expenditure to the Supplementary Estimate 2021-22 to Finance (PW-II/BG-I) Department at an appropriate time without fail and he is authorised to incur the expenditure only after obtaining approval from Legislature.

8. This order issues with the concurrence of Finance Department vide its U.O. No.54922/Public Works-II/2021, Dated 17.12.2021 and Additional Sanction Ledger No. 1187 (One thousand one hundred and eighty seven)

(By Order of the Governor)

Sandeep Saxena,
Additional Chief Secretary to Government

To
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, Design Research and Construction Support,
Water Resources Department, Chennai-5
The Director, Institute of Hydraulics and Hydrology (IHH) Poondi, Thiruvallur-602023
The Principal Accountant General (A&E), Chennai-18.
The Principal Accountant General,
(Economic and Revenue Sector Audit), Chennai-18.
The Resident Audit Officer, Secretariat, Chennai-9.
The Pay and Accounts Officer (East), Chennai-8
The Pay and Accounts Officer (South), Chennai-15.
The Treasury Officer, Thiruvallur-602001
The District Collector, Thiruvallur-602001

Copy to

The Principal Secretary-I to the Hon'ble Chief Minister, Secretariat, Chennai-9.
The Senior Private Secretary to the Hon'ble Minister (Water Resources), Secretariat,
Chennai-9
The Finance (P.W.II / B.G.II/ B.G.II/ W&M-I) Department, Secretariat, Chennai-9.
The Water Resources (ISpl/II/S) Department, Secretariat, Chennai-9.
Stock File / Spare Copy.

// FORWARDED / BY ORDER //

J. megar
21/12/21
Section Off

B. S. S.
21-12-21