

Public Works Department

Policy Note for the year 2008 – 2009

Demand No. 40

(PWD Buildings)

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PREAMBLE

“உயர்வகலந் திண்மை அருமையிந் நான்கின்
அமைவரண் என்றுரைக்கும் நூல்”

**“Science declares that a Building Fort must possess
Prescribed Height Breadth, Strength and Greatness”**

The Public Works Department has turned 150 years. The Department which was established in the year 1858 with just -

- 1 Chief Engineer
- 20 District Engineers
- 3 Inspecting Engineers
- 78 Executive and Assistant Engineers
- 204 Upper Subordinates and
- 714 Lower Subordinates

has grown manifold and now functions with a strong network of

- 1 Engineer-in-Chief,
- 10 Chief Engineers,
- 59 Superintending Engineers,
- 212 Executive Engineers,
- 816 Assistant Executive Engineers,
- 2366 Assistant / Junior Engineers,
- 1305 Technical Personnel and
- 14670 Administrative Officers
and staff Members
- totaling 19439 employees

The Public Works Department is not only 150 years, but has also earned reputation for its excellent service to the people and the State. The then Chennai Presidency had its territorial control spread over today's Tamil Nadu, parts of Andhra Pradesh, and the Kerala State excluding the then Travancore and Kochi Princely parts.

- The anicuts and the dams constructed;
- The irrigation canals excavated and
- The splendid buildings constructed
are the testimony to the remarkable achievement of the Public Works Department during that time.

The Hon'ble Members of this august House are aware that consequent to the formation of States on linguistic basis, the Public Works Department in Tamil Nadu continues to provide various services like harnessing water resources potential, extending irrigation potential and constructing buildings which are all capital assets of the State.

1.0 ORGANISATION NETWORK

To carryout the building activities for various departments and at different locations in the State as well, the Public Works Department has a wide spread network of offices as indicated below:

- One Chief Engineer as Head of the Department in Chennai with technical support of specialty units of 'Architecture' headed by Chief Architect and of 'Designs' headed by Superintending Engineer at the Head office.
- Eleven Circles and 41 Divisions headed by Superintending Engineers and Executive Engineers respectively.
- Three Circle at Chennai, Salem and Madurai and 7 Divisions under the control of Superintending Engineers and Executive Engineers respectively to execute electrical works.
- One Special Division headed by Executive Engineer in Chennai for collection and dissemination of updated technology and information of latest building materials.
- A Building Research Station headed by Executive Engineer in Chennai for training the Engineers to acquire knowledge in advanced technologies and innovations to carry out research activities.

2.0 MAJOR ACTIVITIES

The Public Works Department performs the following major activities and functions:

- Planning, designing, construction and maintenance of Government Buildings which constitute the capital assets of the State.
- Construction and maintenance of Monuments and Memorials under purview of the Government.
- Execution of Local Area Development Scheme works sanctioned under MLAs' and MPs' Funds as deposit works
- Execution of any calamity reconstruction works like Emergency Tsunami Reconstruction Project building works
- Renovation and restoration of Heritage buildings
- Construction of buildings for Central Government undertakings, State Universities etc. as deposit works
- Carrying out Research and Development in construction materials and practices
- Valuation of buildings on the request of Vigilance and Anti-corruption Department and Judiciary
- Assessing the structural stability of public buildings and issuance of rent reasonableness certificate for private buildings used by Government departments.

- Arrangements relating to the visits and Government functions of VIPs and VVIPs.

3.0 ALTERNATE BUILDING MATERIALS AND ADVANCED TECHNOLOGY

The department has been constantly striving to find alternate low cost building materials and adopt advanced technology in construction. For instance, the Quarry Dust, a waste product obtained while crushing stone has been tested for its strength and suitability for use as a substitute material to sand in construction. As per the tests carried out, this is found to be suitable as an alternate material to sand. The use of quarry dust of certain specifications will not only reduce the construction cost but also reduce pollution to considerable extent and helps saving natural resource of sand.

4.0 PROPOSED OUTLAY 2008-2009

During the year 2008-2009, it is proposed to carryout works to the tune of Rs.651.91 crore under Demand No. 39 as below:

(Rs. in crore)

(i)	Capital Account (Plan & Non Plan Schemes)	501.26
(ii)	Revenue Account (Maintenance and Establishment)	150.65
	Total	.. 651.91

In addition to this, the works pertaining to other departments under remittance head, maintenance of buildings pertaining to P.W.D. and other departments will be undertaken.

**SECTOR - WISE OUTLAY 2008-2009
CAPITAL ACCOUNT - DEMAND NO.39**

Sl. No	Name of Department	B.E. 2008-2009 (Rs.in crore)	Percentage
1	Health	185.12	37%
2	Home	142.47	28%
3	Public Secretariat	75.00	15%
4	Revenue	54.22	11%
5	Heritage Conservation	8.96	2%
6	Tsunami	7.39	1%
7	Education	2.81	1%
8	Other works	25.29	5%
	TOTAL	501.26	100%

5.0. DEPARTMENT-WISE SCHEMES (2008-09)

5.1. HEALTH AND FAMILY WELFARE DEPARTMENT

5.1.1. Medical College Works

Medical college works, which were sanctioned during 2007-2008 are at the preliminary stages such as obtaining administrative sanction and technical sanction, calling for tenders, finalizing the agencies etc. These are:

Sl. No.	Work	Amount (Rs. in crore)
(i)	New Medical College at Villupuram	41.01
(ii)	New Medical College at Thiruvarur	10.00
(iii)	New Medical College at Dharmapuri	10.00
(iv)	Dental College, Chennai	13.66
(v)	Kilpauk Medical College, Chennai	1.45

(vi)	Quarters for Professors, Assistant Professor, Class IV Employees at Kanyakumari Medical College	2.73
(vii)	Boys Hostel for 150 Under Graduate at Kilpauk Medical College, Chennai	3.00
(viii)	Two Blocks of Hostel for Post Graduate Students at K.A.P. Viswanatham Medical College, Tiruchirappalli	2.89
(ix)	Residential House-Surgeons Quarters in Arignar Anna Government Hospital for Indian Medicine Campus, Chennai.	1.89
(x)	Hostel Building for 250 Under Graduate and 250 Post Graduate Men Students at Govt. Stanley Medical College, Chennai.	12.60

5.1.2. Other Medical Works

For the following works sanctioned in 2007-2008, preliminary works like preparation of estimates, calling of tenders etc are in progress:

Sl. No.	Work	Amount (Rs. in crore)
(i)	New Lifts for Institute of Child Health and Hospital for Children at Chennai	1.04
(ii)	Expansion of Government Rajaji Hospital at Madurai	22.06
(iii)	Additional buildings for the Institute of Child Health and Hospital for Women and Children at Chennai	13.83
(iv)	Additional building for Royapettah Government Hospital, Chennai	9.87

5.1.3. Health System Project (Demand No.19)

Phase-I – Construction of 35 hospital buildings at a cost of Rs.45.62 crore in 5 districts.

19 hospital buildings completed and handed over - 16 buildings in progress

Phase-II – Additions, Extensions, Repair and Renovation to existing Government Hospital buildings numbering 228 hospitals in 25 districts at a cost of Rs.207.14 crore - 7 in progress, 221 in tender stage.

5.2. HOME DEPARTMENT

5.2.1. Judicial Department

The following works sanctioned in 2007-08 are in progress at different stages as below:

Sl. No.	Work	Amount (Rs. in crore)	Stage
(i)	Combined Court Building -at Tambaram	2.82	nearing completion
	-at Perambalur	8.75	in progress
(ii)	Separate building for Bar Association and Vakil Clerk's Association at Palayamkottai	0.58	nearing completion
(iii)	District Munsiff, Judicial Magistrate Court building and Judicial Magistrate Quarters at Kodaikanal (Phase-I)	2.50	in progress
(iv)	District Munsiff, Judicial Magistrate Court subsidiary building, V.I.P. Guest House and Quarters at Vedasandur	2.25	in progress

Quarters for Judicial Officers

(i) Quarters for –

Work	Amount (Rs.in crore)	Stage
Sub Judge in District Munsiff court campus at Palani	0.13	in progress
Judicial Magistrate at Arcot	0.09	in progress
Principal District Judge at Master Plan Complex at Ramanathapuram	0.34	in progress
District Munsiff and Judicial Magistrate at Kangayam	0.24	Retender called for

(ii) Administrative sanction accorded and preliminary work like preparation of estimate in progress in respect of the following works:

Construction of Combined Court buildings and Judges Quarters

Sl. No	Place	Amount (Rs.in crore)
1.	Namakkal	10.56
2.	Karur	10.00
3.	Aruppukottai	3.83
4.	Sivagangai	7.98
5.	Erode	5.42
6.	Gudiyatham	4.40
7.	Arani	3.97
8.	Aranthangi	3.53
9.	Poonamallee	4.02
10.	Paramakudi	2.40
11.	Thoothukudi	8.88
12.	Cuddalore	10.02
	Total	75.01

5.2.2. Prison Department - Modernisation of Prisons scheme

- (i) Conversion of sub jail into District Jail; New Women's Jail; Repairs and renovation, sanitation and water supply works in Central Prisons at Coimbatore, Salem, Palayamkottai, Cuddalore, Tiruchirappalli, Pudukkottai and Vellore - Rs.11.23 crore - Out of 70 works, 59 completed, 11 in progress.
- (ii) Repairs, Renovation, Sanitation and water supply to Prisoners - Rs.3.55 crore. Out of 56 works, 25 completed, 31 in progress.
- (iii) Conversion of Sub Jail into District Jail at Attur, Gobichettipalayam and Nagappattinam; Repairs and Renovation of Prison buildings at Palayamkottai and Trichirappalli - Rs.5.52 crore. All the 5 in progress.

5.2.3. Fire & Rescue Department

A sum of Rs.2 crore sanctioned for Fire Station buildings at 8 places in Thandarampattu, Omalur, Arni, Kuttalam, Cumbum, Thiruthuraipoondi, Thuckalai & Oddanchatram. All the 8 in progress.

5.2.4. Transport Department

Sl. No.	Work	Amount (Rs. in crore)	Stage
(i)	Testing Track to Regional Transport office at Nagapattinam, Tiruvarur, Mettupalayam,	1.08	in progress except Mettupalayam. Mettupalayam proposals changed to

	Kovilpatti		Erode
(ii)	Building for Regional Transport Office at Rs.1.25 crore each –Tiruvannamalai, Pudukkottai, Tiruchengode, Periyakulam, Erode, Madurai North, Salem and Tiruvarur.	10.00	in progress
	- Tiruchirappalli	1.45	in progress

5.3. Revenue Department

The following works in progress are at different stages as below:

- (i) New Collectorate Building at Salem – Rs.25.00 crore - plans being evolved.
- (ii) Taluk Office Buildings at 7 places at Kariapatti, Illupur, Vazhapadi, Gangavally, Kulithalai, Veerakeralampudur and Thottiyam are in progress; At 4 places at Kundah, Pandalur, Kalkulam and Paramakudi are at tender stage. – Rs.15.57 crore
- (iii) Taluk Office Buildings at 8 places in Thirukkazhukundram, Kilvelur, Alankulam, Srirangam, Mannachanallur, Kattumannarkoil, Thirukkuvalai, and Katpadi – Rs.10.24 crore - finishing stage.
- (iv) Taluk Office Building at Manamelkudi – Rs.1.15 crore – nearing completion.
- (v) Quarters for District Revenue Officer at Nagapattinam, Nilgiris, Krishnagiri and Revenue Divisional Officer Quarters at Dindigul, Palani, Ramanathapuram, Lalgudi, Madhuranthagam, Athur and Thiruchendur – Rs.2.24 crore – in tender stage.

5.4. School Education Department (Demand No.43)

5.4.1. NABARD Project

Phase-III- 7 Districts – Rs.83.74 crore – Out of 259 works; 256 completed; 1 in progress and 2 dropped.

Phase-IV - 27 Districts – Rs.130.11 crore. – Out of 351 works, 316 completed and handed over; 8 completed; 24 in progress; 1 revised administrative sanction awaited and 2 dropped.

Phase-V - 17 Districts – Rs.102.13 crore. Out of 198 works, 181 completed and handed over; 2 completed; 10 in progress and 5 deferred.

Phase- VI- 13 Districts - Rs.161.32 crore. Out of 234 works, 65 completed and handed over; 22 completed; 139 in progress; 6 at revised estimate stage; 1 in site dispute and 1 deleted.

Phase- VII- 16 Districts – Rs.131.69 crore - Out of 195 works, 8 completed and handed over; 8 works completed; 158 in progress; 16 revised administrative sanction awaited; 3 at revised estimate stage and 2 under site dispute.

5.4.2. Other works

- (i) Modern State Library at Chennai Rs.80.00 crore – concept plan and models selected and agency finalised.
- (ii) Men's Hostel in Government Law College at Trichirappalli & Tirunelveli - Rs.1.68 crore - Tirunelveli at tender stage, Trichirappalli - site to be selected.
- (iii) Hostel for Women students at Government Law College at Coimbatore - Rs.1.24 crore - in progress.
- (iv) Hostel for Women Students of the Government Law College at Tirunelveli - Rs.1.10 crore - nearing completion.
- (v) Additional Class Rooms in Government Law College at Trichirappalli - Rs.1.05 crore - nearing completion.

5.5. Tamil Development, Religious Endowment And Information Department

Construction of Second floor over the existing building at Tamil Valarchi Valagam –
Rs.0.5 crore - at tender stage.

5.6. MLAs' Office Buildings

M.L.As' Office Buildings – Rs.11.35 crore. Out of 234 works, 228 completed and handed over, for 3 Places at Thiagarayanagar, Mylapore and Royapuram proposal for fixing land lease is under consideration; for 3 places at Purasawalkam, Triplicane and Egmore sites are to be decided.

5.7. Backward Classes, Most Backward Classes and Minorities Welfare Department (Demand No. 9)

The following works are in progress at different stages as below:

- (i) 50 B.C Hostel buildings - Rs.32.15 crore – Works to be taken up shortly
- (ii) Compound walls at 14 places – Rs.0.735 crore- 8 completed; 6 in progress.
- (iii) Basic amenities to 345 Kallar hostels – Rs.7.91 crore - 343 completed and 2 in progress.
- (iv) 416 B.C. / M.B.C. Hostel Buildings (Phase-IV) – Rs.131.04 crore - 240 completed;
108 in progress; 2 to be taken up; 66 revised administrative sanction awaited and site to be selected.

(v) 100 B.C. / M.B.C Hostel Buildings – Rs.31.50 crore - 97 completed; 3 nearing completion.

5.8. Tourism & Culture Department (as Deposit work)

Infrastructure and Destination Development of Mamallapuram (Phase-II works)
Government of India scheme - Rs.4.32 crore. – in progress.

5.9. Animal Husbandry, Dairying and Fisheries Department (Demand No.6)

Veterinary units at 377 places – Rs.40.17 crore - 296 completed and handed over; 47 completed; 28 in progress; 6 site not yet finalised and to be taken up in Phase-II.

Veterinary Bull shed and Quality Control Lab in 2 places and Bull Shed in one place for Rs.3.05 crore – estimate under preparation.

5.10. Irrigated Agriculture Modernisation and Water Bodies Restoration and Management (IAMWARM) Project (Demand No.40)

Multistoried building for Multi Disciplinary Project Unit (MDPU), in the campus of Agricultural Engineering Department at Nandanam, Chennai - Rs.15.00 crore - World Bank approval awaited for Expression of Interest. Draft Request for proposal to fix Consultant has to be sent to World Bank for approval.

5.11. Tamil Nadu State Marketing Corporation (TASMAC) Building Works (as Deposit Work)

Godown and Office Building at Perambalur, Theni and A.Sangampalayam – Rs.4.83 crore - in progress.

5.12. Commercial Taxes and Registration Department

(i) Commercial Taxes Department

- (a) Commercial Tax office building at Hosur – Rs.1.54 crore – in progress
- (b) Commissioner of Commercial Tax office building at Chennai– Rs.5.50 crore – in progress

(ii) Registration Department

- (a) Sub Registrar offices at Mimisal, Mannargudi, Ananthapuram, Vikkiravandi, Idaikkal, Veerasigamani, Gangaikondan, Udayarpalayam, Oddanchatram, Vandavasi, Ramakrishnarajupettai, Chengalpattu, Kalasappakkam and K.V.Kuppam – Rs.2.25 crore - out of 15 works, 14 completed; 1 in progress.
- (b) Sub Registrar office at Arani, Kayalpattinam, Cuddalore, Sathyamangalam, Verkizhambi, Cheyyur, Rameswaram, Thirupporur, Thiruvallur and Mettupalayam – Rs.1.50 crore. Out of 10 works, 9 completed; 1 in progress.

5.13. Emergency Tsunami Reconstruction Project

Repair, Renovation, upgradation and reconstruction of the buildings belonging to PWD, Revenue, Health & Family Welfare, Animal Husbandry, Dairying and Fisheries, School Education affected by Tsunami – Rs.36.62 crore - Out of 340 works, 291 completed; 42 in progress; 7 held up due to non availability of site.

5.14. Heritage Buildings - 12th Finance Commission Grant

- (i) Renovation of Government Ophthalmic Hospital Building Rs.0.25 crore; Renovation of Rajaji Hall Rs.0.66 crore; Upgradation of Archives at Egmore – Rs.2.16 crore; Renovation of Museum building (compound wall) - Rs.0.77 crore – all works in progress.
- (ii) Facade lighting to High Court Campus - Rs.0.5 crore; Restoration of Madras Literary Society Building - Rs.0.4 crore - to be taken up.
- (iii) Renovation and Preservation of Music College - Rs.0.33 crore; Rehabilitation of Chepauk palace - Rs.3.50 crore; Improvements to District Court Campus at Trichirappalli- Rs.0.65 crore; Metropolitan Magistrate Court building at Rajaji Salai - Rs.0.5 crore; Facade lighting to P.W.D. office buildings - Rs.0.3 crore; Rehabilitation of office building of Deputy Inspector General of Registration at Rajaji Salai - Rs.0.5 crore – all at estimate stage.
- (iv) Facade lighting arrangements for Fort. St. George - Rs.0.3 crore; Renovation of Amaravathy Galleries in Museum, Chennai – Rs.0.5 crore - in tender stage.

5.15. Archaeology Department

Reclamation of Thirumalai Naickar Mahal at Madurai – Rs.3.00 crore.- in progress

5.16. Public Works Department

Pursuant to the announcement made by the Hon'ble Chief Minister on the floor of the Legislative Assembly on 12.5.2007, Administrative Sanction was accorded for construction of a new complex with high quality facilities for the Tamil Nadu Legislative Assembly at an approximate cost of Rs.200 crore. After due global selection process, one of the seven short-listed companies namely, "gmp International, Germany" was selected for the assignment of architectural design and project management. An Agreement has also been signed on 15.2.2008.

Presently, the working drawings and Detailed Project Reports are under preparation.

5.17. Major buildings under execution and to be taken up:

A list of major buildings in progress and to be taken up during this year are listed at Annexure I and II respectively.

6.0. PART II SCHEMES

6.1. Part-II schemes - 2007-08

Out of 5 schemes, 2 have been completed and the following 3 works are at different stages as below:

- (i) Additional facilities like Approach road, compound wall, filling low lying area and other amenities for the circuit house at Tiruvarur - Rs.0.15 crore – in progress
- (ii) Additional Circuit House at Thanjavur - Rs. 1.00 crore - work in progress.
- (iii) "C" type Quarters for Government Employees (12 Nos.) in 2 blocks of three storied building in Todhunter Nagar at Saidapet - Rs.0.65 crore- work in progress.

6.2. PART - II SCHEMES-2008-09

The Standing Finance Committee has approved the following 11 schemes for the year 2008-09:

- (i) Division Office building for Executive Engineer, PWD, Buildings (C&M) Division, Coimbatore - Rs. 0.37 crore
- (ii) Additional four suites for Circuit House at Cuddalore - Rs.0.48 crore
- (iii) Additional Circuit House with five suites in Master Plan Complex at Thoothukudi - Rs. 0.60 crore
- (iv) Inspection Bungalow with Two suites at Gudiyatham - Rs. 0.21 crore

- (v) Conversion of existing AC Sheet roofing into RCC roofing of PWD Circle Office Building at Thanjavur - Rs. 0.15 crore.
- (vi) Sub Division Office with one Section office at Ponneri -Rs. 0.15 crore
- (vii) Purchase of New Vehicles for P.W.D. Divisions 17 Nos. on replacement basis - Rs. 0.81 crore
- (viii) Purchase of New vehicles for PWD Circles - 2 Nos. on replacement basis - Rs.0.08 crore.
- (ix) Additional two suites in First floor for Inspection Bungalow at Aruppukkottai - Rs. 0.15 crore.
- (x) Purchase of Digital Duplicator, Computer Compatible for High Speed Printing & Automatic Master Printer with scanning and Thermal screening system for Chief Engineer's office- Rs. 0.05 crore
- (xi) Improvements to circuit house at Dharmapuri by relaying the floor with ceramic tiles, replacement of furniture and furnishing etc. - Rs.0.19 crore

DURAI MURUGAN
MINISTER FOR PUBLIC WORKS AND LAW

ANNEXURE - I

MAJOR BUILDING WORKS IN PROGRESS

Sl. No	Name of the Work	Estimate Amount (Rs. in crore)
1	Faculty Block, Administrative Block, Lecture Theatre and Library at Stanley Medical College in Chennai	5.00
2	Additional building for Thanjavur Medical College Hospital in Thanjavur	20.19
3	Combined Court at Perambalur	8.75
4	Taluk Offices at Karaiapatti, Kundah, Pandalur Illupur, Vazhapadi, Gangavalli, Thottiam, Veerakeralampudur, Kulithalai, Paramakudi & Kalkulam	15.57
5	NABARD School works – (Phase- VII) 16 Districts - Total 195 schools	131.69
6	NABARD School works- (Phase- VI) 13 Districts - Total 234 schools	161.32
7	TNHSP, Phase-II, Addition, extension, repairs, renovation and strengthening of 228 Government Taluk / Head Quarters Hospitals in 25 Districts.	207.14
8	Phase-I, Addition, extension, repairs and renovation in 35 Government Taluk / Head Quarters Hospitals in 5 Districts i.e. Dharmapuri, Krishnagiri, Theni, Pudukottai and Kanyakumari.	45.62
9	Basic amenities to 345 Kallar hostels	7.91
10	416 B.C. / M.B.C. Hostel Buildings (Phase-IV)	131.04
11	12 th Finance commission – Heritage Conservation works	10.00
12	Office building for the Commissioner of Commercial Taxes at Greams road, Chennai	5.50
13	Upgradation and reconstruction of the buildings belonging to Public Works Department, Revenue, Health, Animal Husbandry and Education departments affected by Tsunami	36.62
	Total	786.35

ANNEXURE - II

DETAILS OF MAJOR BUILDING WORKS TO BE TAKEN UP

Sl. No	Name of Work	Estimate Amount (Rs.in crore)
1	New complex for Tamil Nadu Legislative Assembly in Omandhurur Government Estate, Chennai	200.00
2	Modern State Library in Chennai	80.00
3	New Medical College at Thiruvarur	42.77
4	New Medical College at Dharmapuri	49.47
5	New Medical College at Villupuram	41.01
6	Expansion of Government Rajaji Hospital at Madurai	22.06
7	Additional Building for Royapettah Hospital, Chennai.	9.87
8	Additional buildings to Govt. Dental College, Chennai	13.66
9	IAMWARM Multistoried building for M.D.P.U. in Agricultural Engineering Department Campus at Nandanam, Chennai	15.00
10	New Collectorate Building at Salem	25.00
11	50 B.C Hostel buildings	32.15
12	Hostel Building for 250 U.G. and 250 P.G. Men Students at Govt. Stanley Medical College, Chennai.	12.60
	Total	543.59