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Public works Department
madras state
Administration Report
For the year.
1950 - 51.
Part-I-A

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PUBLIC WORKS DEPARTMENT
MADRAS STATE

ADMINISTRATION REPORT.

FOR THE YEAR

1950-51

PART I-A

(NARRATIVE PORTION)

PART I-B (STATISTICAL PORTION) AND
PART II (IRRIGATION)
WILL BE ISSUED SEPARATELY

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ADMINISTRATION REPORT OF THE PUBLIC WORKS DEPARTMENT, MADRAS, FOR THE YEAR 1950-51.

PART I-A (NARRATIVE PORTION)

I. ADDITIONS AND ALTERATIONS TO TERRITORIAL CHARGES.

ANANTAPUR CIRCLE.

1. The special division formed on 16th March 1946 for the reclamation of the Kurnool-Cuddapah canal lagoons with headquarters at Nandikotkur and then converted into a special division for investigation of Grow More Food Schemes and other abandoned project works in the Ceded districts with headquarters at Anantapur continued to function throughout the year.

2. The following temporary subdivisions were continued during the year :—

(1) Subdivision formed at Madanapalle on 5th July 1948 for investigation and extension of Tank Restoration Scheme works in Chittoor district.

(2) Subdivision formed at Anantapur on 9th August 1948 for Tank Restoration Scheme works in Anantapur district.

(3) Special subdivision at Panyam for the construction of a reservoir across the Kollimagulavagu near Panyam in Nandyal taluk of Kurnool district.

(4) Special subdivision at Eguvacherlopalle for the execution of the scheme of formation of a tank across Tigaluru in Markapur taluk, Kurnool district.

3. A special division called the Upper Pennar Project Division was formed at Anantapur on 19th December 1950 forenoon for the construction of a reservoir across the Pennar in Perur village, Dharmavaram taluk, Anantapur district. Out of the three special subdivisions sanctioned for this purpose, two were formed during the year. The Pennar-Kumuduvathi Project subdivision with headquarters at Hindupur formed under the Madanapalle Division on 29th May 1950 was transferred to the Upper Pennar Project Division on 19th December 1950 forenoon.

4. Special subdivisions formed during the course of the year were—

(1) A special subdivision was formed at Anantapur on 28th June 1950 for attending to urgent works in the Engineering College, Anantapur. It was attached to Bellary Division.

(2) A special subdivision was formed under Madanapalle Division on 27th May 1950 afternoon for the restoration of Kanchalanuma tank, Royachoti taluk.

(3) The permanent subdivision at Nandyal was bifurcated by the creation of temporary subdivision at Markapur. The temporary subdivision was formed on 4th April 1951 forenoon.

(4) One special subdivision was formed at Nandyal on 7th April 1950 forenoon to deal with repairs to flood damages to irrigation works. This subdivision was abolished on 15th October 1950 forenoon. It was attached to Kurnool Division.

5. The special subdivision formed at Tirupati on 19th June 1947 for carrying out repairs to zamindari tanks was transferred to the control of the Food Production Circle.

COIMBATORE CIRCLE.

6. Details of subdivisions formed in the course of the year are as follows :—

Subdivisions.						Date of formation.
<i>Malampuzha Headwork Division—</i>						
(1) Quarry subdivision	..	..	..	..	..	27th April 1950.
(2) Stores subdivision	..	..	..	..	..	27th January 1951.
(3) Additional Dam subdivision	..	..	..	..	..	3rd February 1951.

Subdivisions.	Date of formation.
<i>Malampuzha Canals Division—</i>	
(4) No. I subdivision, Palghat	3rd April 1950.
(5) No. II subdivision, Palghat	17th April 1950.
(6) Subdivision for demarcation of submergible area	1st February 1951.
<i>Mettur Canals Division—</i>	
(7) Mettur Canal Excavation subdivision No. III at Bhavani ..	19th May 1950.
(8) Do. do. No. IV at Edapadi ..	19th July 1950.
<i>Coimbatore Division—</i>	
(9) Special subdivision for the execution of capital works relating to Coimbatore Municipality	6th December 1950 after-noon.

6-1. The special subdivision at Shoranur formed under West Coast Division on 13th February 1950 for investigation of Grow More Food Schemes was transferred to Quinine Factory Division on 27th September 1950.

6-2. *West Coast Division.*—Ellathur-Kallai Canal subdivision, Kozhikode, which was formed on 1st October 1949 was closed on 19th April 1950.

DOWLAISHWARAM CIRCLE.

7. *Visakhapatnam South Division.*—King George Hospital subdivision and Andhra Medical College subdivision were continued. The Hostel subdivision was closed on 31st March 1950.

8. *Godavari Western Division.*—The division was bifurcated on account of its wide jurisdiction, heaviness of work and the addition of a number of temporary subdivisions. The temporary division was formed at Eluru on 4th January 1951 afternoon and was designated Godavari Special Division.

8-1. The Ramapadasagar Section attached to the Uplands subdivision at Eluru with effect from 1st April 1950 was abolished on 30th September 1950. After the abolition of the section the residual work connected with the Ramapadasagar Project was attached to the Section Officer, Polavaram, till 3rd January 1951 and to the Canal Section Officer, Chettipeta, from 4th January 1951.

9. *Visakhapatnam North Division.*—The division was continued during the year.

10. *Godavari Special Division.*—This special division was formed at Eluru on 4th January 1951 with the following subdivisions previously attached to Godavari Western Division :—

- (1) Hospital subdivision at Eluru.
- (2) Grow More Food subdivision No. I at Nidadavole.
- (3) Grow More Food subdivision No. II at Narasapur.
- (4) Uplands subdivision at Eluru.

10-1. The jurisdiction of the division extends over the uplands areas of Eluru, Chintalapudi, Tadepalligudem, Polavaram and Kovvur of West Godavari district and Bhimavaram, Narasapur and Tanuku taluks of West Godavari Delta where Grow More Food Schemes are taken up.

11. *Godavari Eastern Division.*—Two supervisors were employed from 14th November 1950 for the investigation of the Coringa Island Project.

12. *Godavari Central Division.*—A special subdivision was formed at Rajahmundry on 30th July 1950 for work connected with the construction of new buildings for the Government Arts College at Rajahmundry.

13. *Grow More Food Division, Vizianagaram.*—This division was continued.

MADRAS CIRCLE.

14. The following temporary divisions continued throughout the year :—

- (1) Buckingham Canal Division at Nellore.
- (2) Breach Closing and Investigation Division, Madras, designated Special Irrigation Division, Madras.
- (3) Rallapad Division, Kandukur.
- (4) Krishna-Pennar Division No. I, Madras.
- (5) Do. No. II, Madras.

15. The following new subdivisions were formed in the course of the year :—

(1) *North Presidency Division.*—Special subdivision No. I for attending to certain works formed on 17th January 1951.

(2) Special subdivision No. II for attending to certain major works formed on 21st March 1951.

(3) *South Presidency Division.*—Special subdivision for the construction of buildings for temporary accommodation of the Legislative Assembly formed on 1st December 1950.

(4) *Chingleput Division.*—Special subdivision for excavating a supply channel from Nyamam to Chambarapakkam with headquarters at Sriperumbudur formed on 17th April 1950.

(5) *Nellore Division.*—Special subdivision for floods at Nellore formed on 5th March 1951.

(6) The Kanigiri Special subdivision formed under the Special Investigation Division was diverted as a Grow More Food subdivision with headquarters at Nellore and placed under Nellore Division with effect from 21st September 1950 forenoon.

TANJORE CIRCLE.

16. The special division at Tanjore formed on 1st December 1947 for the execution of twelve Key Schemes for the drainage improvements to Cauvery Delta was closed on 31st December 1950 afternoon. The two special subdivisions at Mayuram and Tiruturaipundi attached to this division were also closed on 31st December 1950 afternoon.

17. *Cauvery Division.*—After the closure of the Special Drainage Division on 31st December 1950 afternoon the special section at Sirkali was attached to the Cauvery Division from 1st January 1951 forenoon for attending to the balance of Key Scheme works on the jurisdiction of Cauvery Division.

18. *Vennar Division.*—A special subdivision was formed at Tiruturaipundi on 1st January 1951 for certain works and for attending to the balance of works in the Key Scheme.

19. *Grand Anicut Canal Division.*—The special subdivision at Nagudi transferred to this division on 4th November 1948 forenoon on the abolition of the special division for the execution of works south of Narasinga Cauvery was closed on 30th September 1950. One supervisor was continued from 1st October 1950 for attending to the balance of work of the Narasinga Cauvery Scheme.

19-1. One special subdivision was formed on 17th August 1950 with headquarters at Tanjore for the execution of Olavayal channel extension.

20. *River Conservancy Division.*—One special subdivision was formed at Jedarpalayam on 3rd April 1950 for breach closing, etc., in Raja channel. It was abolished on 29th June 1950 afternoon.

20-1. The control of the Raja, Kumarapalayam and Mohanur channels was transferred from the Revenue Department to the Public Works department. For the maintenance of these channels a supervisor was employed at Velur from 19th April 1940 afternoon.

21. *South Arcot Division.*—One special subdivision was formed on 4th October 1950 forenoon at Kallakurichi for the execution of Vadakkanandal Scheme.

21-1. The special subdivision formed at Villupuram during 1948-49 for constructing an anicut across Ponnar near Ellis Choultry was closed on 30th September 1950 afternoon.

21-2. The subdivision formed on 29th August 1949 for reclamation of Kaliveli swamp was closed on 30th September 1950 afternoon.

22. *Special Division.*—The Special Investigation Division was transferred to the control of the Superintending Engineer, Tiruchirappalli Circle, with effect from 1st April 1950.

TIRUCHIRAPPALLI CIRCLE.

23. *Tiruchirappalli Division*.—A temporary subdivision was formed on 1st April 1950 for building and irrigation works relating to the ex-Pudukkottai State.

23-1 The special subdivision created on 31st December 1946 for the construction of New Headquarters Hospital at Tiruchirappalli was continued.

23-2. A special supervisor was employed from 15th July 1950 forenoon for the work of "Restoration of Kaikalathur tank in Perambalur taluk".

24. *Periyar Division*.—A special supervisor was employed during the period 6th June to 18th November 1950 for detailed investigation of Parapalar Reservoir Scheme.

25. *Tirunelveli Division*.—A special subdivision was formed at Cheramahadevi on 26th May 1950 for attending to repairs and improvements to minor irrigation sources in charge of Public Works Department.

25-1. Another special subdivision was formed on 5th October 1950 afternoon at Tuticorin for the construction of the Government Hospital at Tuticorin.

26. *Ramanathapuram Division*.—The special subdivision constituted at Madurai for the construction of Armed Reserve Police lines was continued.

26-1. A special supervisor was employed during the period 10th May 1950 afternoon to 10th November 1950 afternoon on the work of investigation for excavating a canal from Kamandabanaadhi to Mallankinar and other villages.

26-2. Another special supervisor was employed during the period 6th May 1950 forenoon to 5th November 1950 afternoon for the investigation of Grow More Food Schemes in Ramanathapuram Division.

27. *Special Investigation Division, Tiruchirappalli*. This special division was transferred from the control of the Superintending Engineer, Tanjore Circle, to the control of the Superintending Engineer, Tiruchirappalli Circle, with effect from 1st April 1950. This division was continued with the following subdivisions:—

(1) The special subdivision formed at Krishnagiri was continued up to 30th September 1950.

(2) The special subdivision formed at Ambasamudram on 30th November 1949 was closed on 15th July 1950 afternoon.

(3) The special subdivision formed on 19th June 1949 for the bed survey and demarcation of water-spread area of Bhavanisagar was transferred to Lower Bhavani Project Headworks Division on 30th June 1950 afternoon.

(4) A special subdivision was formed on 10th October 1950 for the detailed investigation of the Guriyar Project in Tirunelveli district.

(5) A special subdivision was formed on 1st April 1950 for the investigation of the Sathiar Odai Scheme, Nilakkottai taluk. During the period 15th April 1950 forenoon to 30th June 1950 afternoon the subdivision was diverted for the work of Alangulam Anicut Investigation Scheme in Nilakkottai taluk. From 1st July 1950 the subdivision was employed on the investigation of the scheme for the construction of a dam across Sathiar river. The subdivision was closed on 15th August 1950 afternoon.

(6) A special subdivision was formed on 22nd November 1950 for the work of "Detailed investigation for the construction of a reservoir across Palai in Kangundi Zamin area in North Arcot and Chingleput districts".

(7) Two special subdivisions, one on 2nd November 1950 and the other on 5th January 1951 for the execution of Manimuthar Project.

(8) Two special subdivisions were formed for the localization of the ayacut under the Vaigai, Amaravathi and Sathanur projects. Of the two, one was formed at Tirum ngalam on 20th January 1951 forenoon. This was closed on 20th February 1951 forenoon. The other subdivision was formed at Dharapuram on 23rd January 1951 forenoon.

VIJAYAVADA CIRCLE.

28. The Special subdivision formed in 1949 for the extension of Muniyeru main channel was closed on 11th October 1950 afternoon. One section of this subdivision was retained and added on to the regular Muniyeru subdivision from 12th October 1950 forenoon.

29. The Special subdivision formed on 17th July 1947 for the Kandaleru Project was closed on 31st October 1950 afternoon.

30. A Special subdivision for Grow More Food works in Guntur district was formed at Narasaraopet on 1st November 1950 forenoon.

31. A Special subdivision for the investigation of schemes in the uplands taluks of Krishna and Guntur districts was formed on 12th July 1950 afternoon.

32. The Special subdivision at Bapatla formed in 1945 under Krishna Western Division for the construction of Agricultural College buildings was transferred to Romperu Special Division with effect from 29th May 1950.

33. *Special Division under the Chief Engineer (General)*.—The Special division formed on 15th October 1947 for attending to the work of taking over the surplus stores from the Military Engineering parts in the State was closed on 2nd April 1950 forenoon and the balance of work attached to the Chingleput Division of the Madras Circle.

34. The verification of stores in the Public Works Workshops was transferred from the control of the Audit to the Chief Engineer. For this purpose a stock verification subdivision was formed on 3rd July 1950 and placed under the immediate control of the Executive Engineer, Hydraulic Gauging Division.

II. REVIEW OF CIVIL WORKS.

A. Office of the Chief Engineer, P.W.D. (General and Buildings).

1. The work turned out in the Consulting Architect section and Technical section was as follows:—

(i) CONSULTING ARCHITECT SECTION.

1-1. The total number of drawings prepared during the year under review was 489.

1-2. Detailed estimates were prepared for schemes aggregating in value to Rs. 86.44 lakhs.

1-3. Approximate estimates were prepared for schemes aggregating in value to Rs. 199.48 lakhs.

2. The following are the important building schemes dealt with during the year:—

(a) Medical buildings.

1. Stanley Hospital, Madras—

(a) Steam laundry (revised plans).

(b) Proposed additions to existing combined tiffin and retiring rooms for women students.

(c) Extensions to the existing Hope Block for providing 96 additional beds.

(d) Alterations and additions to the existing out-patients department.

2. General Hospital, Madras—

(a) Proposed conversion of nurses' quarters in the second floor into wards and operation block (revised plans).

(b) Dental College Hospital and out-patient department.

(c) Quarters for servants 32 and 18 units attached to nurses' home.

(d) Proposed Cancer Hospital, Madras.

(e) Provision of R.C. ramp at the junction of surgical block with the main buildings.

3. Government Hospital for Women and Children, Madras—
 - (a) Cancer ward for 88 beds.
 - (b) Cancer ward for 44 beds—alternative scheme.
 - (c) Out-patients department and baby ward block.
 - (d) Quarters for 40 pupil-nurses in Haliburtan Gardens.
4. Kasturba Gandhi Hospital for Women and Children, Madras—Steam laundry (revised plans).
5. Government College of Indigenous Medicine, Madras—
 - (a) Extensions to Anatomy block.
 - (b) Additional College buildings.
6. Government Hospital of Indigenous Medicine, Madras—
 - (a) Hospital Main buildings. (working plans).
 - (b) Kitchen and store block.
 - (c) Quarters for nursing staff.
 - (d) Kitchen and store block attached to nurses' quarters.
7. Government Mental Hospital, Kilpauk, Madras—Proposed after-care colony—
 - (a) Hutment for ten patients.
 - (b) Dining hall attached to kitchen.
 - (c) Dispensary with ward for twelve beds.
 - (d) Occupation therapy.
 - (e) Recreation hall.
8. Tuberculosis Colonies or Settlements, Tambaram.—Quarters for discharged patients.
9. King Institute, Guindy.—Proposed B.C.G. Vaccine block.
10. Government Veterinary College, Madras.—Proposed extensions to post-mortem room.
11. King George Hospital, Visakhapatnam—
 - (a) Proposed two twin operation theatre. Central sterilizing units and special wards (revised plans).
 - (b) Surgical ward for 56 beds.
12. Andhra Medical College, Visakhapatnam—
 - (a) Proposed extensions to Materia Medica and Pharmacological block.
 - (b) Proposed mortuary.
13. Headquarters Hospital, Eluru—
 - (a) Out-patients department and Tuberculosis block.
 - (b) Out-patients department and Venereal department block.
 - (c) Special Ophthalmic Medical and Surgical wards.
14. Headquarters Hospital, Kozhikode—
 - (a) Venereal, Tuberculosis and Police wards.
 - (b) General out-patients department, Memorial Hall and Library.
 - (c) Ophthalmic ward.
 - (d) Steam laundry.
 - (e) Quarters for nursing staff.
 - (f) Quarters for Sub-Assistant Surgeon.
 - (g) Quarters for nursing orderlies.
15. Government Headquarters Hospital, Mangalore—
 - (a) Wenlock Hospital—
 - (i) General out-patients block.
 - (b) Lady Goschen Hospital—
 - (i) Proposed maternity ward for 40 beds.
 - (ii) Conversion of existing maternity ward into children's ward.
 - (iii) Post-mortem shed.
 - (iv) Garage for one ambulance.

16. Gandhiji Memorial District Headquarters Hospital, Tiruchirappalli—
 - (a) Proposed Tabernacle.
 - (b) Proposed Maternity ward for 69 beds.
17. Medical College and Hostel at Madurai—College portion—
 - (a) College Central block.
 - (b) College side block.
 - (c) Gas house and wells.
 - (d) Cycle shed.
 - (e) Garages.
 - (f) Gate-keepers' room and Meter rooms.
 Residential portion—
 - (a) Hostel block for 100 women students.
 - (b) Kitchen and dining hall for women's hostel.
 - (c) Hostel block for 300 men students.
 - (d) Kitchen and dining hall for men's hostel.
 - (e) Conversion of existing taluk office building to serve as dining hall for day students and common rooms for men and women students.
 - (f) Steward's office and quarters.
 - (g) Common store block.
 - (h) Warden's quarters.
 - (i) Quarters for six servants.
 - (j) Cycle shed.
18. Guntur Headquarters Hospital and Medical College Scheme Hospital Buildings for admitting 100 students per annum to the College—
 - (a) Administration block and special wards.
 - (b) Ward block for 96 beds.
 - (c) Delivery ward and operation theatre block.
 - (d) General ward for 144 beds.
 - (e) General ward for 180 beds.
 - (f) Out-patients block.
 - (g) Quarters for nursing staff.
 - (h) Extension to the existing X-Ray and operation block.
 - (i) Conversion of existing out-patients block into Tuberculosis and Leprosy out-patients department.
 - (j) Conversion of existing nurses' quarters for women into nurses' quarters for men.
 - (k) Clinical lecture theatre for 150 students.
 - (l) Machine laundry.
 - (m) Quarters for 20 servants.
 Medical College Buildings—
 - (a) College main buildings.
 - (b) Extensions to existing physiology block.
 - (c) Additions and alterations to existing Anatomy block.
 - (d) Mortuary and Post-mortem theatre.
 - (e) Gas house and well.
 - (f) Cycle shed.
 - (g) Garages.
 Residential Buildings—
 - (a) Hostel block for 300 men students.
 - (b) Kitchen and dining hall for men's hostel.
 - (c) Hostel block for 150 women students.
 - (d) Kitchen and dining hall for women's hostel.
 - (e) Steward's office and quarters.
 - (f) Common store block.
 - (g) Warden's quarters.
 - (h) Quarters for twelve servants.
 - (i) Cycle shed.

19. Guntur Headquarters Hospital and Medical College Scheme Alternative Scheme for admitting 50 students per annum to the College.—Buildings same as at item 18 above but with less accommodation.

20. Hospital at Chittoor—

- (a) Septic labour ward for twenty beds.
- (b) Quarters for twenty pupil mid wives.

21. Proposed hospital for Government Cinchona Plantations, Naduvattam Nilgiris district—

- (a) Quarters for Civil Assistant Surgeon.
- (b) Ward for twenty beds.
- (c) Out-patients block.

22. Government Hospital, Kollegal.—Design of quarters for four nurses.

23. Government Hospital, Tenali.—Proposed cholera shed for eight beds.

24. Taluk headquarters hospital for fifty beds.—Designs for various departments.

(b) *Public Health buildings.*

25. Karur Municipality.—Proposed vegetable stalls.

26. Layout of All-India Industrial and Agricultural Exhibition 1951, Kakinada.

27. Udumalpet Municipality.—Proposed Weekly Market—

- (a) Vegetable stall.
- (b) Fish stall.
- (c) Grain and condiment stall.
- (d) Rat-proof godown.
- (e) Rat-proof shops.

28. Kuppam Panchayat Board, Chittoor district.—Proposed market, fruit, condiment, grain and vegetable stalls.

29. Coonoor Municipality.—Proposed bus stand with restaurant and lodging—Revised.

30. Design for pre-cast R.C.C. box stall.

(c) *Other buildings.*

31. Proposed third floor over the existing new extensions of Secretariat, Madras

32. Central Library at Coimbatore.

33. New building for the Institute of Engineering, Madras.

34. Proposed district board office building at Eluru.

35. Design for a hostel block for 50 persons—

- (a) Brick design.
- (b) R.C. framed design.

36. Detail drawings for doors, windows, staircase and for other component parts of the major buildings under execution were also prepared.

(ii) *JOINT CONSULTING ARCHITECT SECTION.*

3. The post of Joint Consulting Architect created on 17th January 1948 for the expeditious preparation of plans and estimates for building schemes continued throughout the year.

3-1. During the period under review, 552 drawings were prepared.

3-2. The following are the major schemes dealt with in this section :—

1. Arthur Hop, Polytechnic at Coimbatore.

2. Karnataka Polytechnic at Mangalore—

- (a) Garage.
- (b) Cycle shed.

3. Government Ceramic school at Gudur.

4. Chemical Testing and Analytical Laboratory, Washermanpet, Madras.

5. Industrial School at Tuticorin—Revised scheme.

6. Rayalaseema Polytechnic, Bellary—

- (a) Electrical and Automobile Laboratory.
- (b) Weaving shed.

7. Building for Ice plants at Tanur and Mandapam.

8. Government Arts College, Rajahmundry—

- (a) Hostel block for women students.
- (b) Kitchen and dining hall for men's hostel.
- (c) Sports Pavilion.
- (d) Store rooms.
- (e) Fountain.

9. Government College, Cuddapah—

- (a) Main building.
- (b) Common hall and tiffin rooms.
- (c) Cycle shed.

10. Victoria College, Palghat—Construction of first floor over Science block.

11. Government College for Women at Guntur.

12. College of Engineering, Guindy—Extensions to—

- (a) Hydraulic Laboratory.
- (b) Survey stores.

13. College of Engineering, Guindy—Tele-communication Laboratory.

14. College of Engineering, Guindy—Common hall for 1,000 students.

15. Agricultural College, Bapatla—

- (a) Farm building.
- (b) Pavilion.

16. V. O. Chidambaram Pillai College, Tuticorin—

- (a) Extensions to main building to Science department.
- (b) Hostel block.

17. Government Secondary and Training School for Women at Cannanore—Additional block of class rooms.

18. Basic Training schools—Revised scheme.

19. Tadipatri Municipality—Office building.

20. Rasipuram Municipality—Office building.

21. Madurai Municipality—Erection of Asoka Stupa.

22. Tirupur Municipality—Town hall.

23. Mangalore Municipality—Cricket pavilion.

24. Dharapuram Municipality—Clock tower.

25. Tuberculosis Sanatorium at Pariyaram—

- (a) Administration block.
- (b) X-ray block.
- (c) Operation block.
- (d) Laboratory block.
- (e) Ward for 16 beds.
- (f) Ward for 2 beds.
- (g) Ward for 4 beds.
- (h) Ward for 6 beds.
- (i) Quarters for Assistant Engineer.
- (j) Quarters for nursing staff.
- (k) Quarters for clerks.
- (l) Quarters for nursing orderlies, etc.
- (m) Cow and calves shed.
- (n) Kitchen block.
- (o) Cow and calves shed.
- (p) Mortuary.

26. Mahatma Gandhi Memorial Tuberculosis Sanatorium, Sangipatti, Tanjore district—

- (a) Cow shed.
- (b) Calves shed.
- (c) Mortuary.
- (d) Dhoby ghat.
- (e) Drying and ironing room.

27. Manimuthar Reservoir Project—

- (a) Quarters for Executive Engineer.
- (b) Quarters for Assistant Engineer.
- (c) Quarters for Supervisors.
- (d) Quarters for upper and lower division clerks.
- (e) Quarters for maistris.
- (f) Quarters for peons.
- (g) Coolies huts.
- (h) Staff dormitory block.
- (i) Restaurant and dining hall.
- (j) Police station.
- (k) Post office.
- (l) Field laboratory.
- (m) Hospital.
- (n) Elementary school.
- (o) Markets and stalls.
- (p) Project house.

28. Upper Pennar Project—

- (a) Quarters for Assistant Engineer.
- (b) Quarters for Supervisor.
- (c) Quarters for upper division clerks.
- (d) Quarters for lower division clerks.
- (e) Quarters for maistris.
- (f) Quarters for peons.
- (g) Coolies huts.
- (h) Staff dormitory block.
- (j) Restaurant and dining halls.
- (k) Post office.
- (l) Hospital.
- (m) Field laboratory.

29. Lower Bhavani Project—Architectural features to dam parapet, flights of steps, etc.

30. Tungabhadra Project—Circuit house—

- (a) Main building.
- (b) Servants' quarters.
- (c) Garage and kitchen block.

31. Remodelling Museum for housing the Legislature.

32. Remodelling Senate House for housing the Legislature.

33. Assembly House in Government House Estate compound.

34. Improvements and additions to A.D.C.'s quarters in Government House Estate, Mount Road, Madras.

35. Pudukkottai Central Jail—Association wards.

36. Quarters for Government servants at Todhunternagar.

37. Rural Housing Schemes at Valivalam.

38. Rural Housing Schemes—Alternative designs.

39. Harijan Hostel at Kurnool.

40. Gandhinagar Colony at Adyar—Memorial gateway at entrance.

41. Connemara Public Library, Madras, boarded flooring for increased accommodation.

42. Layout schemes for police quarters at

- | | | |
|-----------------|----------------------|------------------|
| (a) Kakinada. | (f) Tiruchirappalli. | (k) Kozhikode. |
| (b) Guntur. | (g) Madras. | (l) Cannanore. |
| (c) Eluru. | (h) Vellore. | (m) Mangalore. |
| (d) Vijayavada. | (i) Salem. | (n) Tirunelveli. |
| (e) Cuddapah. | (j) Coimbatore. | (o) Madurai. |

43. Type-design for quarters for Inspector of Police.

44. Type-design for constable and head constable for West Coast.

45. Clinics attached to Government Arts Colleges.

46. Rest centre for domobilising soldiers at Kozhikode.

4. Detailed scheme of quantities were prepared for 24 schemes aggregating in value to Rs. 101.00 lakhs.

4.1. Approximate estimates were prepared for sixteen schemes amounting to Rs. 54 lakhs.

4.2. Three hundred and thirty-two educational and industrial grant-in-aid cases amounting to Rs. 136.0 lakhs were dealt with.

(iii) TECHNICAL SECTION OF THE OFFICE OF THE CHIEF ENGINEER
(GENERAL AND WORKS).

5. Five hundred and eighty-two estimates of the aggregate value of Rs. 787 lakhs were scrutinized in this section during the year. These may be divided under the following heads:—

Serial number and description.	Number of estimates.	Amount. RS.
(a) Buildings	222	3,43,41,965
(b) Educational Buildings (Grant-in-aid buildings)	222	93,18,371
(c) Water-supply	22	20,23,895
(d) Drainage	22	95,695
(e) Miscellaneous	35	7,563
Total	582	7,87,07,489

5.1. Important among these estimated to cost over rupees one lakh each were—

(a) Building

1. Wynaad Colonization Scheme—Construction of buildings for staff and constructing quarters for the Agricultural Superintendent and two Health Inspectors.

2. Basic Training School—Construction of at Rameswaram.

3. Construction of Hygiene Block in Madras Medical College.

4. Agricultural College, Bapatla—Construction of additional buildings.

5. Museum Theatre, Egmore—Remodelling to accommodate the Assembly House.

6. Basic Training School, Anayanipatti, Salem district.

7. Refugees from East Pakistan—Providing temporary sheds.

8. King George Hospital, Visakhapatnam—Proposed construction of medical ward blocks Nos. 1, 2 and 3.

9. Government Cinchona Plantations, Anamalais—Construction of the proposed hospital—Revised estimate.

10. Government Tuberculosis Hospital at Royapetta—Construction of special clinic.

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11. Construction of new buildings for Government Arts College, Rajahmundry—Estimate for foundation and basement of the Science Block.
12. Corporation of Madras—Construction of a bridge over Otteri nallah.
13. Government Hospital, Tuticorin—Construction of Urnerial out-patient block—Revised Estimate.
14. Government General Hospital Out-patient department—Construction of.
15. Basic Training School—Construction of buildings at Alur in Bellary district. Revised estimate.
16. Storage—Central Storage at Visakhapatnam—Construction of.
17. Araku Valley Colonization Scheme—Construction of a hospital and quarters for the staff of the department working at Araku Valley.
18. Madras Veterinary College—Additions and alterations—Consolidated estimate.
19. Basic Training School at Malli—Revised estimate.
20. Madurai Municipality—Construction of shops and retiring room in Municipal Bus-stand—Revised estimate.
21. Market—Tiruchirappalli Municipality—Gandhi Market—Second Revised Estimate for A, B, C and D type stalls.
22. Agricultural College, Bapatla—Establishment of a permanent farm—Non-residential buildings—Revised estimate.
23. Construction of quarters for Government servants at Todhunternagar.
24. Government College of Technology—Construction of smithy, foundry, etc.
25. Land acquisition—Central Research Institute of Technology—Revised estimate.
26. Fisheries Technological Station, Kozhikode—Construction of buildings.
27. Basic Training School at Pallipad—Construction of—Revised estimate.
28. Purchase of nissen huts by P.W.D.—Estimate.
29. Constructing new buildings for Government Arts College, Rajahmundry—Superstructure of science block ground and first floor.
30. Construction of hostel for students at Hosur Cattle-Farm—Revised estimate.
31. Government Victoria College—Construction of first floor over Science Block—Revised estimate.
32. Basic Training School, Nynampad, Guntur district.
33. Basic Training School—Construction of at Jogilpatti.
34. New Headquarters Hospital, Kozhikode—X-ray block.
35. Government College for Women—Construction of new buildings—Guntur.
36. Hindu Religious Endowments—Sri Subramanyaswamy Temple, Tiruchendur—Construction of choultry.
37. Taluk Headquarters Hospital, Kurnool district—Government Hospital, Pathikonda.
38. Construction of Basic Training School at Kotta Uratla—Visakhapatnam district.
39. Basic Training School at Kallupatti—Construction of.
40. Headquarters Hospital, Salem—Queen Alexandria Hospital—Construction of a maternity ward of 75 beds.
41. Sub-Collector's bungalow at Palghat—Acquisition of land and buildings—Revised estimate.

42. Construction of a Basic Training School at Vomeravalli, Visakhapatnam district North—Revised estimate.
43. Headquarters Hospital, Kozhikode—Revised Estimate.
44. Government College of Technology—Coimbatore—Construction of quarters for the Principal and three Professors.
45. New Headquarters Hospital, Tiruchirappalli—Construction of a maternity ward of 100 beds.
46. National Cadet Corps—Senior Division—Formation of a unit of the air wing in 1951-52.
47. Construction of Ceramic School and Block glass plant, Gudur.
48. Construction of Marine Aquarium—Selection of site.
49. Government Stanley Hospital, Madras—Alterations to the existing Hope block.
50. Construction of quarters for the Armed Reserve Police at Vijayawada.
51. Construction of quarters for the Armed Reserve Police at Tiruchirappalli.
52. Improvements to the existing Government Dispensary at Kovvur, West Godavari.
53. North Arcot district—Construction of additional blocks in new out quarantine block, Vellore.
54. Construction of new buildings for Government Arts College, Rajahmundry—Estimate for constructing kitchen and dining halls for hostel.
55. Veterinary Dispensary, Vettaikarapudur—Construction of permanent buildings.
56. Construction of additional buildings in the College of Indian Medicine—Revised estimate.
57. Agricultural College, Bapatla—Revised estimate.
58. Construction of quarters for Police staff in East and West Godavari districts—Kakinada and Eluru.
59. Construction of quarters for the City Armed Police in the compound of Lutterals Gardens, Kilpauk.
60. Lorry stand—Virudunagar Municipality—Construction of.
61. Extensions and improvements to the Stanley Medical College and attached hospital, Rayapuram—Provision of steam laundry.
62. Construction of permanent buildings for Government College, Cuddapah.
63. Police—Construction of quarters for Police staff at Rajahmundry.
64. Construction of compound wall—New Headquarters Hospital, Kozhikode.
65. Government Stanley Hospital—Out-patient department—Expansion.
66. Government Hospital, Tuticorin—Construction of general out-patient block.
67. Construction of New Assembly buildings at Government House Estate, Mount Road, Madras.
68. Taluk Headquarters Hospital, Kancheepuram, Chingleput district—Construction of Tuberculosis and post-operation wards.
69. Taluk Headquarters Hospital, Srivilliputtur, Ramanathapuram district—Construction of operation theatre, maternity ward and septic tank latrines.
70. Palghat Municipality—Office and Council hall—Construction of.
71. Tadpatri Municipality—Office buildings.
72. Kasturba Gandhi Hospital for Women and Children, Madras—Steam laundry.

3. Sea erosion—Visakhapatnam Municipality—Beach Road—Construction of a sea wall—Estimate.

4. Tuticorin Port Trust—Construction of steel sheet pile wharf in front of 'C' shed (South wharf).

B. Value of Government buildings in charge of the Public Works Department.

1. The total value of buildings in charge of the department was Rs. 15,00,16,340.
2. The value of buildings to end of 1948-49 was Rs. 14,55,27,103 and not Rs. 14,57,77,532 as shown in that year's report.

III. MANUFACTURE OPERATIONS.

MADRAS CIRCLE.

1. Manufacturing operations were carried through workshops. The result of the manufacturing operations was as follows:—

	Profit.	Loss.
	RS.	
Foundry	6,640	..
Forges	1,750	..
Machines	9,481	..
General charges	14,918	..
Head VII	5,401	..

VIJAYAVADA CIRCLE.

2. The following manufacture accounts were closed at the end of the year:—

Manufacture.	Profit.	Loss.
	RS.	
Saw pit operations	..	..
Iron castings	..	..
Brass castings	55	..
Oxygen and acetylene operations	..	..

DOWLAISHWARAM CIRCLE.

3. The supply and conveyance of quarry materials was done on job works system by permanent Tyndales by making use of Government punts.

4. The Stock Manufacture Operation disclosed a loss of Rs. 16,281 during 1950-51. The loss was due to the low flat debit rate of 5 per cent for General charges and 6 as. per mile for conveyance charges. The cost of labour has increased much since the fixing of these rates."

IV. WORKSHOPS.

MADRAS CIRCLE.

1. The workshops was working to its full capacity chiefly due to increased demands for irrigation projects and Grow More Food Schemes. The value of outturn under all heads for the year will be over Rs. 9 lakhs. The major works relating to Quinine Factory and Hydrogenation Factory and several irrigation and Grow More Food Projects were in progress. The total number of works orders sanctioned during the year was 1,288. As usual mechanics were deputed for outside jobs in response to requisitions from officers. There was no fatal accident during the year. There were only nine cases of minor injuries, resulting in temporary disablement. There was no labour strike during the year. The workshops was inspected by the Inspector of Factories on 21st February 1951.

VIJAYAVADA CIRCLE.

2. The value of work done during the year was Rs. 2,27,188 against Rs. 2,24,920 during 1949-50. The number of Government jobs and private jobs executed during the year were 194 and 1 against 556 and 7 respectively, during 1949-50. The decrease was due to completion of repairs to a number of lock gates taken up

during 1949-50 in that year itself. Skilled labour were deputed for outside jobs in 38 cases against 387 in the previous year. The work of "Manufacture of steel gates, crane and lifting arrangements of Meswa Project" relating to Ahmedabad Irrigation Division, Bombay State, was in progress. Works relating to the floating plant of the delta were being done departmentally. The work of constructing six M.S. Punts estimated to cost Rs. 1,38,000 was in progress.

3. The loss on general charges during the year was Rs. 1,310 against a loss of Rs. 3,594 in the previous year.

4. There were no casualties during the year.

5. The workshops were inspected by the Inspector of Factories on 28th May 1950 and 31st January 1951.

DOWLAISHWARAM CIRCLE.

6. The value of work done during the year was Rs. 7,49,897 against Rs. 4,85,324 last year. The number of work orders opened during the year was 686 against 723 of the previous year. There was heavy work towards the end of the year due to the supply of windows and stores for the New Headquarters Hospital Work, Eluru and New Arts College, Rajahmundry and due to the manufacture of six sets of lock gates. There were no accidents during the year. Labour was as usual deputed for outside jobs. The workshops was inspected by the Inspector of Factories.

V. STORES.

MADRAS.

1. The opening balance of stock for the year was Rs. 19,23,051 and the closing balance was Rs. 18,49,378. The value of receipts and issues of stores during the year were Rs. 17,57,736 and Rs. 18,31,409, respectively.

VIJAYAVADA.

2. The reserve stock limit was Rs. 2.86 lakhs. The closing balance was Rs. 3,13,350. The value of receipts and issues of stores during the year were Rs. 1,95,500 and Rs. 2,31,650, respectively.

DOWLAISHWARAM.

3. The reserve stock limit was temporarily raised from Rs. 2,70,000 to Rs. 3,84,000. The value of stock at the close of the year was Rs. 3,86,971. Receipts and issues during the year were Rs. 8,10,375 and Rs. 7,22,715, respectively.

VI. DIRECTION.

Chief Engineer (General and Irrigation).—Sri A. R. Venkatachari, who retired from service on 21st June 1950, was continued as Chief Engineer (General and Irrigation) on a contract basis.

Chief Engineer (Highways and Tungabhadra Project).—Sri M. S. Thirumalai Ayyangar continued in the post.

Chief Engineer (Buildings and Grow More Food).—Sri T. S. Venkatarama Ayyar continued as Additional Chief Engineer, Public Works Department, till 21st June 1950 when he was confirmed as Chief Engineer, Public Works Department and designated as Chief Engineer (Buildings and Grow More Food).

Deputy Chief Engineer (General).—Sri J. G. Abraham continued as Deputy Chief Engineer (General).

Additional Deputy Chief Engineer (General).—Sri R. Lakshmana Ayyar continued as Additional Deputy Chief Engineer (General).

Deputy Chief Engineer (Irrigation), No. I.—Sri M. D. Narasimha Acharya continued as Deputy Chief Engineer (Irrigation), No. I during the year.

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PUBLIC WORKS DEPARTMENT FOR 1950-51

Deputy Chief Engineer (Irrigation), No. II.—Sri V. A. Krishnaswamy Iyer continued as Deputy Chief Engineer (Irrigation), No. II during the year.

Deputy Chief Engineer (Tungabhadra Project).—Sri A. Krishnamurthy Ayyar continued to hold the post during the year.

Personal Assistant to the Chief Engineer (General).—Sri C. Nagarathna Mudaliar continued as Personal Assistant to the Chief Engineer (General).

Consulting Architect.—Sri M. G. Desai continued as Consulting Architect during the year.

Joint Consulting Architect.—Sri N. E. Jambulinga Nayakar, continued in the post on re-employment.

VII. GENERAL.

1. Scarcity of labour and increase in the wages of labourers and cost of building materials continued to exist.

2. There was improvement in the staff position in respect of technical posts but scarcity of experienced men in non-technical posts continues to be felt.

3. Four thousand seven hundred and twenty-six posts borne on the work charged establishment were provincialized with the benefits of time, scales of pay, leave concessions and admission to Contributory Provident Fund.

4. The strength of the cadre of special maistries in the Provincial Establishment was increased by 35 for the purpose of absorption of some work charged building maistries in that cadre.

MISCELLANEOUS



PUBLIC WORKS DEPARTMENT

(General)

G.O. No. 4053, 4th October 1951

Administration Report—Public Works Department—Part I-A (Buildings Branch). 1950-51—Narrative portion—Recorded.

READ—the following paper :—

From the Chief Engineer, P.W.D. (General), dated 4th September 1951,
No. 2227-Ad-2/51-16.

Order—No. 4053, P.W. (General), dated 4th October 1951.

Recorded.

(By order of His Excellency the Governor)

T. M. S. MANI,

Secretary to Government.

To the Chief Engineer (General and Irrigation).

Public Department.

Accountant-General, Madras.

Superintendent, Government Press, Madras.

