M.R.O. 1—77,006—8-6-37.

(1) Number of pages 20

(2) Date of repair 18-11-38

(3) Initials of the Referencer

MADRAS RECORD OFFICE.

Government of Madras.

Public Works DEPARTMENT.

Secs. 20-1-1860

G.O. No.	139	Press / Mis.
103-04 Dated	19-1-	1860.

Not to be folded or roughly handled

S&A 18/11/38

No. 103. Read the following letter from Lieutenant-Colonel J. H. BELL, Chief Engineer; to J. D. BOURDILLON, Esq., Secretary to Government, dated 29th October 1859, No. 6646.

With reference to a note addressed by the Honorable the Governor to Captain Stewart I have the honor to submit the draft of five sections of the new Code for the Public Works Department, and to request permission to promulgate it officially throughout the Presidency. The original draft was circulated, agreeably to His Excellency's instructions, to the most experienced officers of the department, both at Madras, and in the districts; and their opinion and suggestions have received every consideration in framing the draft now submitted.

Enclosure 1 draft of new Code.

2. One hundred and fifty copies have been printed, which shall be circulated among the officers of the department; as soon as the sanction of Government has been accorded.

No. 104. ORDER THEREON, 19th January 1860, No. 139.

Paragraph 1. The Government have given their consideration to the draft sections of the new Public Works Code submitted with this letter, and have made certain verbal alterations in the paragraphs of the different heads noted in the margin. The draft thus amended is approved and will be forwarded to the Chief Engineer for the purpose of being included in the Code.

Under the head of Chief Engineer, paragraphs 1, 14 & 17.
Do. of Deputy Chief Engineer, paragraphs 1, 2 & 13.
Do. of District Engineers, paragraphs 2, 3 & 14.
Do. of Executive Officers and Agents, paragraph 8.
Do. of Sub Agents, paragraph 1.

2. One addition indeed requires to be made, but the Government will leave the Chief Engineer to determine in what place it may be most conveniently introduced. The rules define the ordinary course of business, but every officer of every grade will still be bound to obey the lawful orders of his superiors given in any particular case.

3. In future the Chief Engineer will cause only a few copies of such parts of the proposed Code as he may submit to Government from time to time for approval, to be printed; and the matter will be kept standing until the order of Government shall be passed.

4. In future also, in sending up parts of the draft Code for approval, the Chief Engineer will specify in his report those passages or phrases which have received any material modification.

(Signed) T. PYCROFT,
Chief Secretary.

THE CHIEF ENGINEER.

1. The Chief Engineer shall control the entire operations of the Department of Public Works, through the Deputy Chief Engineers, and according to the degree of authority committed to him by Government. He shall be the depository of all records on subjects relating to the Department, and generally the channel of communication on such subjects between the Government and all other authorities.

2. It shall be the duty of the Chief Engineer to exact from all persons employed in the Department a strict performance of the duties assigned to them: to receive reports and communications from the Deputy Chief Engineers, and through them, from the District Engineers: to check and to examine estimates and drawings, the progress and completion of works, and the accounts of expenditure: to suggest projects and designs suitable for effecting the objects proposed to him by Government, or by him to Government: to dispose of such matters as may be left to his discretion by the rules of the Department, and to bring clearly and faithfully before the Government, accompanied by his own opinion and remarks, all subjects which may be reserved for their decision.

3. All subjects which are neither specially provided for in the rules, nor reserved for the decision of Government, shall also be disposed of by the Chief Engineer.

4. The ordinary business of the Chief Engineer with the Madras Government shall be conducted through the Secretary in the Public Works Department.—All his communications with the Government of India must pass through the Madras Government. The mode in which subjects shall be laid before the Madras Government is detailed in chapter

5. Matters of account shall be referred to the Accountant General or to the Military Auditor General.

Questions relating to military details shall be referred to the Adjutant General of the Army, the Quarter Master General of the Army, Officers Commanding Divisions, or the Commandant of Engineers.

6. The Chief Engineer shall correspond with all Heads of departments at the Presidency, or in the Provinces, either direct, or through the Deputy Chief Engineers; and he shall call upon all authorities for all necessary information on matters connected with his Department.

7. The Chief Engineer shall submit to Government, without unnecessary delay, all subjects which require their special or immediate orders.

8. The Chief Engineer shall have authority

I. To order the investigation of projects, and the preparation of surveys, plans and estimates for works: and to sanction any unavoidable expense connected with these preliminary operations.

II. To sanction, duly recording his reasons, necessary alterations in the constructive details of works during their execution, provided that no increase of charge to the amount of more than 5 per cent. above the estimate shall be caused by such alterations.

III. To sanction all estimates for repairs which cannot be sanctioned by any inferior authority, when within the general amount allowed for the purpose in the annual budget; with the exception, in the case of buildings, of estimates exceeding one-fourth of the value of the buildings.

IV. To sanction all estimates for minor new works and improvements, which exceed Rupees 200, and do not exceed Rupees 500.

V. To grant leave of absence to the members of the Department, according to the rules specified in chapter

VI. To pass indents for stores, machines, tools, instruments, and stationery, according to the rules specified in chapter.

VII. To sanction estimates submitted by the Departmental Officers for petty charges of a temporary character, not exceeding in amount Rupees 100.

VIII. To accept any tender for the execution of a public work by contract, when not in excess of the sanctioned expenditure.

IX. To advance, at his discretion, to any Subordinate in the Department who can show sufficient reason for requiring it, an amount not exceeding one month's salary; such advance to be recovered by instalments within six months.

X. To sanction the employment of any necessary extra establishment, under the rules laid down in chapter

9. The Chief Engineer shall submit for the sanction of Government, all estimates for new works, excepting those for minor new works which do not exceed Rupees 500; and all estimates for repairs of buildings, when exceeding one-fourth of the value of the building.

10. The estimates submitted to Government by the Chief Engineer shall be in abstract only; but he will use his own discretion in calling for details from the District Engineers.

11. All estimates for public works, originating in any Department, which are intended for submission to Government, must be sent through the Chief Engineer.

12. The Chief Engineer shall have authority to pass finally, upon the audit of the respective Deputy Chief Engineers, charges for expenditure upon public works, within the following limits:—

I. Charges under Rupees 500 each, irrespective of the amount originally sanctioned.

II. Charges above Rupees 500, and less than Rupees 2,000 each; when not in excess of the amount originally sanctioned by more than Rupees 100.

III. Charges above Rupees 2,000 each; when not in excess of the amount originally sanctioned by more than 5 per cent.

13. The Chief Engineer shall submit for the sanction of Government all bills for public works which do not come within the foregoing limits; and also all such bills as, on account of frauds, faults, or irregularities, require to be brought specially before Government.

14. The correspondence of the Chief Engineer with Officers of the Department shall be through the Deputy Chief Engineer of the Circle, according to the rules laid down in chapter ; but the Chief Engineer can take up, and dispose of any subject, at his discretion; and his Assistant can sign letters under his orders.

15. The Chief Engineer will keep as records in the Central office, descriptive lists and drawings of the public buildings and works in the Presidency, to enable him to furnish promptly any information called for by Government. He will also prepare, and circulate to his Subordinates, a series of the standard designs approved by Government for buildings of most frequent occurrence.

16. It will be the duty of the Chief Engineer to recommend to Government, such removals, transfers, and postings of District, and Assistant District Engineers, and Sub-Engineers, as may seem requisite; and to recommend properly qualified persons for all vacant situations in those grades.

17. The Chief Engineer will accompany the Head of the Government on tours of inspection, when required to do so. The Chief Engineer will, with the sanction, or on the requisition of the Government, make journeys to satisfy himself by personal inspection concerning any important question, project, or work, which may be in hand. Or, with the sanction of Government, he may detach for the same purpose one of the Deputy Chief Engineers, or his own Assistant. During the temporary absence of the Chief Engineer, the current duties of his office will be carried on by the senior Deputy Chief Engineer.

18. The general supervision of all ancient buildings, and of all interesting architectural remains, in the Madras Presidency, shall be vested in the Chief Engineer, whose duty it will be to recommend to Government whatever measures he may consider necessary for their preservation.

19. The powers of the Chief Engineer with regard to appointments, promotions, punishments and dismissals in the Department, are detailed in chapter

DEPUTY CHIEF ENGINEER.

1. The Deputy Chief Engineer is the Officer next in rank to the Chief Engineer. Under the orders of the Chief Engineer, and through the District Engineers, he will superintend the whole of the executive operations carried on in the Circle assigned to him. He will conduct, under the rules specified in chapter , the whole of the correspondence between the Chief Engineer and the District Engineers in his Circle; and he will likewise superintend the branch office of account in the Central office in which the expenditure on the works in his Circle is checked and classified.

2. The position of the Deputy Chief Engineer shall be that of a highly qualified and highly trusted Coadjutor to the Chief Engineer, charged with controlling the business of his particular Circle, and ordinarily issuing instructions to the District Engineers on his own responsibility; but subject to the superior authority of the Chief Engineer, to whom he shall refer in every matter of doubt.

3. The Deputy Chief Engineers shall ordinarily transact their business in the Central office at Madras, with an independent allotment of the establishment under each Officer's exclusive control; but all dismissals, new appointments, and promotions, must receive the approval of the Chief Engineer.

4. The Deputy Chief Engineers shall be regarded as the official advisers of the Chief Engineer on professional and Departmental subjects; and when their opinions on any question may differ from those of the Chief Engineer, they shall have the right to record them. In the event of such questions coming before Government, these recorded opinions are to be submitted for their consideration.

5. Each Deputy Chief Engineer shall be responsible for the efficiency of the executive administration throughout the districts in his Circle; and it shall be one of his special duties to see, on the one hand, that the orders received from superior authority for the execution of work be promptly and effectually carried out, and on the other, that no unsanctioned outlay be incurred.

6. It will be the duty of the Deputy Chief Engineer to examine all reports, designs, and estimates, submitted by the District Engineers of his Circle. He will be responsible for the reasonableness and sufficiency of each estimate, and for the engineering character of each project, which he passes on with his approval to the Chief Engineer.

7. Each Deputy Chief Engineer shall audit all the expenditure incurred on public works within his Circle, by carefully scrutinizing every charge; and by comparing the rates at which works have been executed with the standard rates of each district. The subject of audit is more fully treated in chapter

8. It shall also be the duty of the Deputy Chief Engineer to examine carefully the inspection reports and travelling allowance bills of the District Engineers and Executive Officers and Agents within his Circle; and after minutely checking every claim, to countersign the bills, and to forward them to the Civil Auditor.

9. The Deputy Chief Engineer shall take summary measures for the correction of any deviation from the established system, in the execution of work, or in the preparation of accounts, which may come under his notice.

10. The Deputy Chief Engineer will bring specially to the notice of the Chief Engineer the case of any Officer or Subordinate of the Department, whom he may consider incompetent or disqualified, from any cause, for his public duties. In like manner he will bring prominently forward all instances of extraordinary zeal and ability.

11. The Deputy Chief Engineer shall communicate freely with the District Engineers in his Circle, and shall afford them the benefit of his advice in the performance of their duties.

12. The Deputy Chief Engineer shall communicate with any of the local authorities, civil or military within his Circle, under the rules laid down in chapter

13. Each Deputy Chief Engineer shall make tours of inspection within his own Circle, at proper intervals, to be determined by himself with the approval of the Chief Engineer; and he will also make such inspections and inquiries in other Circles as may be directed by the Chief Engineer.

14. The Deputy Chief Engineer, when on duty in his own Circle, shall give any necessary orders to the District Engineers, and, through them, or with their knowledge, to the other Officers; reporting his proceedings regularly to the Chief Engineer. When on duty in another Circle, he will act according to the special authority committed to him.

15. The Deputy Chief Engineer, when on circuit, will suggest any works which are essential, or which promise to be profitable to the people, or to Government. He will bring

such works to the notice of the District Engineer; and will order detailed examinations, and call for reports, plans, and estimates, according to the nature of the case.

16. The Deputy Chief Engineer on a tour of duty shall correspond with all Heads of Departments; and shall receive on application, whatever species of information would, under the same circumstances, be furnished to the Chief Engineer.

17. The Deputy Chief Engineer shall also examine the books and cash chests of all members of the Department whose stations he may visit in his tours; and he shall see that all the accounts and records are kept in the manner prescribed in the rules.

18. It will be the duty of the Deputy Chief Engineers when on circuit, to report at once, for the information of Government, every case in which sanctioned designs are altered, without special authority.

19. The powers of the Deputy Chief Engineers to sanction expenditure are detailed in chapter

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DISTRICT ENGINEERS.

1. The District Engineers shall be the heads of the Public Works Department in the Collectorates, or portions of Collectorates, severally assigned to them.

2. The District Engineers shall be under the immediate orders of the Deputy Chief Engineer of the Circle to which they belong: and all their communications with the Chief Engineer and Government must be addressed to him.

3. It shall be the duty of a District Engineer, to suggest public improvements within his district, and to project such new works as, in his opinion, will conduce either to the welfare and the convenience of the inhabitants, or to the security and increase of the public revenue: to prepare, in communication with the local Heads of Departments, suitable designs and approximate estimates for such projects, or for any other works which may be specially called for by superior authority: to control all public works in progress within his district, and to superintend, through his Subordinates, the details of their construction: to maintain a strict control over all the cash operations of his Subordinates, and to take care that they are sufficiently, but not lavishly, provided with funds: to inspect, from time to time, the works in progress in all parts of the district, and especially every large and important work, according to the special rules on the subject: to submit to the Deputy Chief Engineer bills for the expenditure upon every work, either upon its completion, or periodically, according to the rules laid down in chapter ; and generally, to be responsible for the exact performance of all duties, of every description, connected with the Department, and for the punctual execution of all orders issued by his Superiors.

4. The District Engineer will be responsible for the good condition and efficient repair of every public work and building within his district. In the case of buildings occupied by members of another Department, he will act upon any reports or representations which he may receive from the occupants. He will execute, through his Subordinates, all the necessary repairs and preservative works which have been entrusted to his discretion, and will forward timely estimates for those which require superior sanction.

5. The District Engineer will report on the condition of all public monuments, and all buildings of historical or architectural interest within his district; and he will suggest measures for the protection of those which appear likely to fall into decay.

6. The District Engineer will consider himself to be, ex-officio, the professional adviser of all Departments of the administration within his district. He will habitually transact business of this nature with the chief military and civil authorities in his district, according to the detailed rules contained in chapters ; but it will be incumbent on him to see that no undue formalities interfere with the performance of those duties which are essential or pressing.

7. A District Engineer shall receive positive orders only from the Government of Madras, the Chief Engineer, or the Deputy Chief Engineer of the Circle. The duty of yielding implicit obedience to the positive orders of his Superiors must be clearly understood; but in the interpretation of general instructions, an Engineer shall be not only authorized, but bound to act upon his own judgment, when he sees what he may consider sufficient ground for deferring compliance with those instructions, or even, in cases of emergency, for acting decidedly at variance with them. Such a course, however, involves entire responsibility, and should only be followed when it is not possible to await the result of a further reference.

8. A District Engineer, even though a military man, shall be considered to be purely a civil officer, and shall not be under the orders of the military authorities, except in so far as all members of the Department alike are bound to observe the usual forms of etiquette and respect towards the higher military authorities in the district. In his dealings with all functionaries, civil or military, he will, except in those cases where a special authority has been vested in those officers, honestly exercise his judgment of what he deems conducive to the public interest. He will neither hold military works to be primarily more important than civil, nor civil than military; but will bestow his attention on them, either according to the peculiar circumstances of his charge, or the instructions which he may receive from superior authority.

9. A District Engineer shall arrange for the supervision of the executive ranges in his district under the rules laid down in chapter , and he shall be guided by those rules in the distribution of the Officers and Subordinates placed under his orders.

10. The special permission of the Chief Engineer, conveyed through the Deputy Chief Engineer of the Circle, shall be necessary to enable a District Engineer to take upon himself the personal charge of any executive duties.

11. The District Engineer will use his utmost endeavours to ascertain the exact cost of labour, and of materials of all kinds, in different parts of his district, according to the rules contained in chapter

12. The District Engineer shall be in frequent communication with the Collector on all Departmental subjects, and shall aid and promote his views with regard to improvements; the cordial co-operation of the Collector and the District Engineer being essential to the efficient prosecution of the duties of the Public Works Department.

13. It shall be the special duty of the District Engineer to discourage, by every means in his power, all grievances which may tend to produce a bad feeling between the members of the Revenue and the Public Works Departments; and, in conjunction with the Collector, to put an immediate stop to any trivial quarrels which may have arisen between the Subordinates of the two Departments.

14. The total sum, allowed in the annual budget for expenditure on public works during the official year, shall be placed by the Accountant General to the credit of the District Engineer, who will assign, at his discretion, certain sums to his Subordinates, under the rules laid down in chapter

15. The District Engineer will be responsible that all accounts of works are kept strictly according to the prescribed rules and forms, without any arrears.

16. The District Engineer will be responsible for enforcing the use of good materials at the lowest prices, and the efficient and economical performance of work. He will also endeavour to bring economically into use, on all occasions, the articles procurable in the local markets, and the natural resources of his district.

17. District Engineers will avail themselves as fully as possible of the facilities afforded by the District Gazettes, for the communication of orders and information to their Subordinates.

18. It shall be the duty of the District Engineer to scrutinize most strictly all contingent charges incurred in his district, before he forwards the bill for sanction.

19. When inspecting the work of his Subordinates, the District Engineer shall enter his remarks and orders in the station books, for the guidance of the Executive Officers, Agents, and Subordinates concerned. In examining the records and accounts of works in progress, he shall enforce strict attention to the standing rules for the regular and punctual entry of each receipt and expenditure of money and materials. The District Engineer shall also, upon every opportunity, examine the cash chests of those of his Subordinates, to whom the duty of making payments shall have been intrusted.

20. When inspecting a large work, the District Engineer will report specially to the Deputy Chief Engineer upon the quality and description of materials used, and on the style of workmanship.

21. When new masonry works are in progress, or when any considerable additions or alterations are being made to existing works, the District Engineer will see that the immediate working Executive is supplied with an accurate working plan, and transcript of the estimate, duly signed by him.

22. District Engineers shall correspond with all local authorities, civil and military, within their district, addressing General Officers and Brigadiers through their Staff Officers.

23. District Engineers shall have authority to exercise immediate action on all subjects properly disposable by the Chief Engineer, or the Deputy, when delay would be injurious to

the public service: but they shall report, without delay, every case in which they shall exercise this discretionary power.

21. The District Engineer shall communicate freely and frequently with all the Executive Officers and Agents under his orders; and shall afford them the benefit of his advice in the performance of their duties.

25. District Engineers shall not interfere directly with works not under their charge; but they shall offer their advice to any unprofessional Officer carrying out public works; and they shall report to superior authority any bad work, or important defects, which may come under their cognizance in such cases.

26. District Engineers shall be responsible that the rules, under which current and special repairs may be sanctioned, be strictly adhered to. These rules are detailed in chapter

27. The powers of the District Engineer to sanction expenditure, are detailed in Chapter

28. The powers of the District Engineer with regard to appointments, promotions, punishments, and dismissals in the Department, are detailed in chapter

EXECUTIVE OFFICERS AND AGENTS.

1. The term "Executive Officer" shall include all Assistant, and Probationary Assistant District Engineers. Each of these Officers will, in general, be placed in charge of an executive range. They will, however, be available for the charge of particular works, or for other duties, when required.

2. A certain number of the best qualified among the Upper Subordinates shall also, at the discretion of the District Engineer, be placed in charge of executive ranges. The Subordinates thus employed shall be styled Executive Agents.

3. The supervision of the executive ranges will, in general, be distributed according to the rank of each Officer or Subordinate, and the class of each range: thus, the most important range shall be placed under the Officer of highest rank, and so throughout the number of ranges; unless there are special reasons for a different arrangement.

4. A District Engineer shall have the power, with the permission of the Chief Engineer, to separate any important work from the general duties of the range in which it may be situated, and to place it under the special executive charge of an Officer or Subordinate.

5. Executive Officers and Agents shall be under the orders of the District Engineer, to whom they will address all their returns and communications on Departmental subjects. They will also communicate, when necessary, with the Revenue Officers of the district; and will attend to their requisitions, to the extent of their own ability and means, within the rules.

6. Executive Officers and Agents shall, except in special cases, have charge of the execution of all works within their respective ranges. They shall be responsible for the goodness of their materials; for the general style of workmanship, and for the details of construction; for proper economy in prices and in wages of labour; and for strict accuracy and punctuality in accounts.

7. Executive Officers and Agents shall, when necessary, prepare, and forward to the District Engineer, estimates for the repair of all public works within their respective ranges, and also for any minor new works and improvements which they may deem advisable, and which are beyond their own power to sanction. They shall take up projects for important new works only by the direction of the District Engineer; but it shall be their duty to bring to his notice any such work which, in their opinion, is much required, or which may have been suggested to them by the local authorities, or by the inhabitants.

8. Executive Officers and Agents shall obtain, by public competition in the open market, whatever they may require in the prosecution of their duties, whether labour, carriage, or materials. Only in cases of emergency, such as breaches of irrigation works, or similar accidents, or when there is imminent danger of such occurring, shall they have the right to call on the local authorities for assistance; and in these instances especial care must be taken that the full market value is paid for every thing.

9. Executive Officers and Agents shall be available, in cases of necessity, at the discretion of the District Engineer, for the inspection and measurement of works in all parts of the district, without reference to their proper executive charges.

10. Executive Officers and Agents shall have the control, under the orders of the District Engineer, of the Subordinates employed in their respective ranges. They will be responsible

that the rules laid down on all subjects are duly observed by all under their orders, and shall bring to the notice of the District Engineer all cases of repeated neglect or carelessness.

11. It shall be the duty of Executive Officers and Agents to maintain a strict control over the cash operations in their respective ranges. They shall be at liberty to intrust the payment of workmen, and for materials, to any of their Subordinates above the grade of Sub-Overseer, 2nd class, and to members of that grade when the measure is indispensably necessary; but they will be held personally responsible for any loss which Government may sustain, unless it shall be clearly proved that every possible precaution had been taken, and strict attention paid by them to the rules laid down on the subject.

12. Executive Officers and Agents, whether military men or not, are bound to show, and to see that their Subordinates show, the usual etiquette and respect to all military authorities within their respective ranges.

13. Executive Officers and Agents will take every opportunity of making themselves acquainted with the resources and capabilities of the district in which they may be employed; and they will endeavour to bring the local products economically into use, on all possible occasions.

SUBORDINATE AGENTS.

1. All members of the Upper Subordinate Establishment, when not in charge of executive ranges, shall, in general, be employed in the immediate superintendence of certain works, or certain portions of large works, under the orders of the Executive Officer or Agent in charge of the range.

2. Sub-Overseers shall also, for the most part, be employed on similar duties; but their charges will generally be less extensive and less important than those assigned to the higher grades of Subordinates.

3. It shall be the duty of a Subordinate Agent to see that materials supplied are of good quality, and in sufficient quantity; that work is done in a substantial and workman-like manner, and agreeably to the instructions he may have received from the Executive Officer or Agent; that the work-people are diligent, and economical in the use of materials: and, generally, to strive in every way that the works intrusted to him shall be executed as rapidly, efficiently, and economically as possible.

4 Any Subordinate Agent at the discretion of the Executive Officer or Agent shall be intrusted with the duty of making cash payments, whether for the hire of work-people, or for materials: a Sub-Overseer of the 2nd class being intrusted with this duty, only when the measure is indispensably necessary. Those to whom this duty is confided, will be held personally responsible for any loss which Government may sustain through their carelessness, or neglect of the rules laid down for their guidance.

5. It shall be the duty of Subordinate Agents to keep, regularly and accurately, the station books of the works under their charge: and those intrusted with cash payments will keep their cash books, in the prescribed form, duly balanced from day to day; and will be answerable for punctuality and accuracy in submitting their accounts to their immediate Superior.

6. Subordinate Agents shall, at the discretion of the District Engineer, be employed in surveying, levelling, and other similar duties.

Central Office O.W.
For Fort St. George
29 October 1859.

No 6646

From.
The Chief Engineer

To
The Secretary to Government
D.O.W.

Sir.

With reference to a note addressed by the Honorable the Governor to Captain Stewart, I have the honor to submit the draft of five sections of the new Code for the Public Works Department, and to request permission to promulgate it officially throughout the Presidency. The original draft was circulated, agreeably to His Excellency's instructions, to the most experienced Officers of the Department, both at Madras, and in the Districts, and their opinions and suggestions have received every consideration in framing the draft now submitted.

Our

Enclosure 1 in a letter from the Chief Engineer to the Secretary to Government No 6646 dated 29 October 1859

M2819/59.

Draft of five sections of the new Code for the PWD

29 [illegible]

2. One hundred and fifty copies have been printed, which shall be circulated among the Officers of the Department; as soon as the sanction of Government has been accorded.

I have the Honor (&c)
Sir
Your most Obed.t Serv.t
J. M. Bell Lieut. Colonel
Chief Engineer

Lt. Col. Bray

Chief Engineer.

Paragraph 1. The Chief Engineer shall control the entire operations of the department of Public Works, acting ordinarily through the Deputy Chief Engineers, and according to the powers entrusted to him by Government. He shall be the depository of all records on subjects relating to the Department, and generally the channel of communication on such subjects between the Government and other authorities.

Paragraph 14. The correspondence of the Chief Engineer with officers of the department shall be ordinarily conducted through the Deputy Chief Engineer of the circle, according to the rules laid down in chapter ; but the Chief Engineer may personally take up and dispose of any subject at his discretion; and his assistant may sign letters under his orders.

17. The Chief Engineer will accompany the Head of the Government on tours of inspection, when required to do so. The Chief Engineer will, with the sanction, or on the requisition of the Government, make journeys to satisfy himself by personal inspection concerning any important question, project, or work, which may be in hand. Or, with the sanction of Government, he may detach for the same purpose one of the Deputy Chief Engineers, or his own Assistant. During the temporary absences of the Chief Engineer, the current duties of his office will be carried on by the senior Deputy.

Deputy Chief Engineer.

Paragraph 1. The Deputy Chief Engineer is the officer next in rank to the Chief Engineer. Under the orders of the Chief Engineer, and through the District Engineers, he will superintend the whole of the executive operations carried on in the circle assigned to him. He will conduct, under the rules specified in chapter , the correspondence between the Chief Engineer and the District Engineers in his circle; and he will likewise superintend that branch of the office of account in the Central office, in which the expenditure on the works in his circle is checked and classified.

Paragraph 2. The position of the Deputy Chief Engineer shall be that of a highly qualified and highly trusted Assistant to the Chief Engineer, charged with controlling the business of his particular circle and ordinarily issuing instructions to the District Engineers on his own responsibility; but subject to the superior authority of the Chief Engineer, to whom he shall refer in every matter of doubt.

Paragraph 13. Each Deputy Chief Engineer shall make tours of inspection within his own circle, at proper intervals, with the approval of the Chief Engineer; and he will also make such inspections and inquiries in other circles as may be directed by the Chief Engineer.

District Engineer.

Paragraph 2. The District Engineers shall be under the immediate orders of the Deputy Chief Engineer of the circle to which they belong: and all their communications with the Chief Engineer and Government will be ordinarily addressed to him.

Paragraph 3. It shall be the duty of a District Engineer,

I. To suggest public improvements within his district, and to project such new works as, in his opinion, will conduce either to the welfare and the convenience of the inhabitants, or to the security and increase of the public revenue.

II. To prepare, in communication with the local heads of departments, suitable designs and approximate estimates for such projects, or for any other works which may be specially called for by superior authority.

III. To control all public works in progress within his district, and to superintend, through his subordinates, the details of their construction: to maintain a strict control over all the cash operations of his subordinates, and to take care that they are sufficiently, but not lavishly, provided with funds.

IV. To inspect, from time to time, the works in progress in all parts of the district, and especially every large and important work, according to the special rules on the subject.

V. To submit to the Deputy Chief Engineer bills for the expenditure upon every work, either upon its completion, or periodically, according to the rules laid down in chapter ; and generally, to be responsible for the exact performance of all duties, of every description, connected with the department, and for the punctual execution of all orders issued by his superiors.

Paragraph 14. The total sum, allowed in the annual budget for expenditure on Public Works during the official year, will be placed by the Accountant General to the credit of the District Engineer, who will assign, at his discretion, certain sums to his subordinates, under the rules laid down in chapter .

Executive Officers and Agents.

Paragraph 8. Executive Officers and Agents shall obtain, by public competition in the open market, whatever they may require in the prosecution of their duties, whether labour, carriage, or materials. Only in cases of emergency, such as breaches of irrigation works, or similar accidents, or when there is imminent danger of such occurring, shall they have the right to call on the local authorities for assistance; in such cases they will be guided by the provisions of Act I. of 1858.

Subordinate Agents.

Paragraph 1. All members of the upper subordinate establishment, when not in charge of executive ranges, shall, in general, be employed under the orders of the executive officer or agent in charge of the range, in the immediate superintendence of particular works, or portions of large works, or in the charge of the works of a táluq or other subordinate Division.

P.W.D. 17

No. 139.

Proceedings of the Madras Government

Under date the 19th Jany. 1860.

Read the following

letter from the Chief Engineer

Submitting the draft of five sections of the new Code for the Department of Public Works and requests permission to promulgate it officially throughout the Presidency and states that 150 copies have been printed which will on the sanction of Government being accorded be circulated among the officers of the Department.

(Here enter 29th Octr. 1859 No. 6646)

P.1. The Government have given their consideration to the draft sections of the new Public Works Code submitted with this letter, and have made certain verbal alterations in the paras of the different heads noted in the margin. The draft thus amended is approved and will be forwarded to the Chief Engineer for the purpose of being included in the Code.

2. One addition indeed requires

requires to be made, but the Government will leave the Chief Engineer to determine in what place it may be most conveniently introduced.

The Rules define the ordinary course of business but every officer of every grade will still be bound to obey the lawful orders of his superiors given in any particular case.

6. In future the Chief Engineer will cause only a few copies of such parts of the proposed code as he may submit to Government from time to time for approval, to be printed, and the matter will be kept standing until the order of Government shall be passed.

7. In future also, in sending up parts of the draft Code for approval, the Chief Engineer will specify in his Report those passages or phrases which have received any material modification.

10 Copies to the Chief Engr. Dated 20th with amended Rules

~~To the Chief Engineer~~

Public Works 1860 Dep.t
Rec.d of Govt 20.th January

No 199.

Rec.d of the Madras Govt
D/ 19.th January/60.

From the Dy Chief Engineer
Dated/ N.C. No 1028 inst.

Draft sections
of the new Public Works
Code, amended and
forwarded to the Chief
Engineer for inclusion
in the Code.

Copy in a Letter to Govt
D/ 29.th May/60 No 35.

No 103 & 104.

c/ Dec.r 12/15.th Cy 1213.