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(2) Date of repair 3 May
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MADRAS RECORD OFFICE.

Government of Madras.

Public works **DEPARTMENT.**

G.O. No. 373	Press Mis.-
155-56	
Dated 7 2	1871.

Not to be folded or roughly handled

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*Proceedings of the Madras Government, Public Works Department,
7th February 1871.*

No. 155. Read the following letter from the Acting Superintending Engineer, 5th Division, to the Secretary to Government, Public Works Department, dated Madras, 19th January 1871, No. 218-A.—

As a reduction in the personnel of the Ranges is in contemplation, I take the liberty to submit, for the consideration of Government, a brief sketch of what

1 Plan. appears to me to be the most desirable arrangement that can be made to ensure the desired result (as regards the South Arcot District of this Division), namely, a reduction in the cost of establishment, combined with an efficient working staff for the proper conduct of the professional and departmental duties of the District.

2. My experience goes to show, and I believe it is an admitted fact by all, that both the Superintending Engineer and Range Officers' time is too much taken up in office work; in fact, the immense amount of detail office work to be done hampers them to such an extent as to prevent their giving that attention to the professional part of their work as is absolutely necessary. Under the present system it is physically impossible to avoid neglecting, to some extent, either the professional work, or that of accounts and correspondence; and I fear that it too often happens that the former is neglected for the latter, as non-punctuality in dispatch of office business is immediately perceptible, while the time given up to the same is *defacto* so much taken away from the legitimate professional duties of an Engineer.

3. I would, therefore, strongly recommend that Range Officers be relieved as much as possible from office work, and that they should have nothing whatever to do with accounts, their duty being wholly and solely the preparation of estimates, and the inspection and supervision of works. In this way only will a Range Officer have time to give his attention to the greatly increased amount of the proper inspection of work, and especially to such work that a reduction in the number of Ranges will necessitate, inasmuch as the area of the Ranges will be considerably greater than at present. I would recommend for this District three Range Officers instead of four as now, each Range Office to have one writer and three lascars, the Range Officers to be immediately subordinate to a District Engineer, who will be provided with a suitable office establishment for the compilation and dispatch of the accounts for the whole District. In this office will also be prepared all designs, plans, and estimates, to be submitted to the Superintending Engineer in a complete form, and the District Engineer, in addition to the above duties, should be required to supervise generally all the works in the District, inspecting as frequently as possible the more important works in progress and aiding the Range Officers with professional advice. The District Engineer to be the only disbursing officer, and payments to be made as now to Overseers and Contractors, but from one office instead of four, the Range Officers being required to countersign the certificates before payment is made for work done. I am inclined to think that by such an arrangement the amount of work in the Superintending Engineer's office, as well as that of the Controller, will be considerably diminished.

4. Having explained generally the system I would advocate for the consideration of Government, I will now proceed to details. The eight Talooks in the South Arcot District are now divided

Cuddalore, } No. 1—Lieutenant Purchas,
Villapuram, } "resigned."
Tindivanam, }
Trinomalay, } No. 2.—Lieutenant Graham.

all.

*Proceedings of the Madras Government, Public Works Department,
7th February 1871.*

Cullacoorchy, } No. 3—Mr Hawksworth
Trikalore, }
Chellumbrum, } No 4—Mr R E Norfor.
Virdachellum, }

amount of revenue. I now propose to reduce the number of Ranges from four to three, dividing them off as in the margin. The accompanying sketch of the District shows the division of the Ranges now proposed. These correspond with the Sub-divisions of the Revenue Department, a point to which I attach much importance.

5. The District Engineer should be an officer of standing and experience, and one who is thoroughly acquainted with the requirements of the District; and for this post I would recommend, for the favourable consideration of Government, Mr. R. E. Norfor, whose long residence in the District and knowledge of the language has enabled him to get up many important irrigation schemes which have met with the favourable consideration of Government.

The District Office Establishments should be next considered. I am inclined to think that the following staff will be found sufficient.—

	RS
1 Head Accountant ..	60
1 Do do.	45
1 Writer	25
1 Do.	20
1 Copyist	15
2 Draughtsmen, each Rs 40	80
3 Lascars, " " 6	18
1 Do.	7
Total ..	270

Range Establishment.

1 Estimate Maker	20	Ranges.
3 Lascars, each Rupees 6	18	

$$38 \times 3 = 114 \text{ Rs.}$$

$$270 + 114 = 384 \times 12 = 4,608 \text{ Rupees per annum.}$$

6. The salaries of the Office Establishments at present are as follow :—

	RS.
No. 1 Range	171
" 2 "	96
" 3 "	96
" 4 "	136

$$499 \times 12 = 5,988$$

$$\text{Deduct new scheme } 4,608$$

$$\text{Saving Rs. } 1,380$$

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7th February 1871.*

7. The Engineering Establishment proposed, as compared with the existing Establishment, will be as follows:—

<i>Existing Establishment.</i>	RS.
Mr. R. E. Norfor	650
Lieutenant Purchas, .. Rs. 350	410
Military pay proper, " 60	
Mr. Hawksworth ..	450
Lieutenant Graham	250
Mr. C. Norfor	250
" Bell	350
	<u>2,360 × 12 = 28,320</u>

Proposed Establishment.

1 Executive or District Engineer ..	650
1 Assistant Engineer, No. 1 Range	450
1 Do. " " 2 " ..	250
1 Do. " " 3 " ..	250
	<u>1,600 × 200 = 19,200</u>

$$\text{Difference . } 760 \times 12 = 9,120$$

$$\text{Add saving in Office Establishment } 1,380$$

$$\text{Total saving . } 10,500$$

8. Lieutenant Purchas having resigned his appointment in the Department Public Works leaves one Executive and three Assistants attached to the District, and Mr. Bell, who has been temporarily detached from the Madura District for special duty on the Pelandoray Anicut Works, may either be permitted to remain in charge of that work, or may be employed perhaps on Local Fund Works, as I presume that from the beginning of the ensuing year the supervision of Local Fund Works, and all establishments appertaining thereto, will be kept entirely distinct from Imperial works.

9. In the event of Mr. Bell being removed from the Anicut Works, Mr. Executive Engineer Norfor considers that Talook Overseer A. Coopposawmy Moodely is competent to have personal charge of this work, as he has recently very successfully completed the Mahmatoor Anicut and other large works.

No 156. ORDER THEREON, 7th February 1871, No. 373.

ESTABLISHMENT No. 12.

ORDERED to lie over, the question of the re-organization of the Public Works Department being under the consideration of Government.

(True Extract.)

Colonel, R.E.,

Secretary to Government.

To the Acting Superintending Engineer, 5th Division.
Exd. S. T. Augustin.

N^o 218A Superintd. Engrs Office, 5th Divⁿ,
Madras, 19th January 1871.

From,

The As. Superintending Engineer,
5th Division.

To,
The Secretary to Government,
P.W. Department,
Madras.

Sir,

Enclosure
(1) Item

As a reduction in the personnel of the Ranges is in contemplation, I take the liberty to submit for the consideration of Government, a brief sketch of what appears to me to be the most desirable arrangement that can be made to ensure the (as regards the Staff of District of this Division) desired result viz: a reduction in the cost of Establishment combined with an efficient working staff for the proper conduct of the professional and Departmental duties of the District.

2. My experience goes to show, and I believe it is an admitted fact by all.

all, that both the Superintending Engineer and Range Officers time is too much taken up in office work. in fact the immense amount of detail office work to be done hampers them to such an extent as to prevent their giving that attention to the professional part of their work as is absolutely necessary. Under the present system it is physically impossible to avoid neglecting to some extent either the professional work, or that of accounts and correspondence, and I fear that it too often happens that the former is neglected for the latter as non-punctuality and dispatch of office business is immediately perceptible, while the time given up to the same is, ^{de facto} so much taken away from the legitimate professional duties of an Engineer.

3. I would, therefore, strongly recommend that Range Officers be relieved, ^{as much as possible from} office work, that they should have nothing whatever to do with accounts

accounts. their duty being wholly and solely the preparation of estimates and the inspection and supervision of works. In this way only will a Range Officer have time to give his attention to the proper inspection of work and especially to the greatly increased amount of ^{such} work that a reduction in the number of Ranges will necessitate; in as much as the area of the Ranges will be considerably greater than at present. I would recommend for this District 3 Range Officers instead of 4 as now, each Range Office to have 1 Writer and 3 Lascars, the Range Officers to be immediately subordinate to a District Engineer, who will be provided with a suitable office, ^{Establishment} for the compilation and dispatch of the accounts for the whole District. In this office will also be prepared all designs, plans and estimates, to be submitted to the Superintending Engineer in a complete form, and the District Engineer, in addition to the above duties, should be required to supervise generally all the works in the District, inspecting as frequently as

as possible, the more important works in progress and aiding the Range Officers with professional advice. The District Engineer to be the only disbursing officer, and payments to be made as now to Overseers and Contractors, but from one office instead of four, the Range Officers being required to countersign the certificates before payment is made for work done. I am inclined to think that by such an arrangement the amount of work in the Superintending Engineer's office as well as that of the Controller will be considerably diminished.

4. Having explained generally the system I would advocate for the consideration of Government, I will now proceed to details.

The 8 Taluqs in the South Arcot District are now divided into 4 Executive Ranges as per margin.

buddalore	} No 1 - Lieut. Panchas, resigned.
Villapuram	
Induram	} No 2 - Lieut. Graham
Trinomalay	

laconchi	} No 3 - Mr. Hawksworth.
Kalore.	
lunbrum	} No 4 - Mr. R. E. Norfor.
chellum	

of these the Chellumbrum, Villapuram and Buddalore are the most important and yield the largest amount of Revenue. I

now propose to reduce the number of Ranges from 4 to 3 dividing them off as in the margin. The accompanying sketch of the District shows the Division of the Ranges now proposed. These correspond with the Sub Divisions of the Revenue Department, a point to which I attach much importance.

1 - Buddalore.
Villapuram.
Induram
2 - Chellumbrum
Vindachellum
bullaconchi.
3 - Trinomalay
Tri Kalore.

5. The District Engineer should be an officer of standing and experience, and one who is thoroughly acquainted with the requirements of the District, and for this post I would recommend for the favorable consideration of Government Mr. R. E. Norfor, whose long residence in the District and knowledge of the language has enabled him to get up many important irrigation schemes which have met with the favorable consideration of

of Government. The District Office Establishment should be next considered. I am inclined to think ^{that} the following staff will be found sufficient.

1 Head Accountant — Rs 60

1 ————— Rs 45

1 Writer ————— 25

1 ————— 20

1 Copyist ————— 15

2 Draughtsmen, each Rs 40 — 80

3 Lascars ————— 18

1 ————— 7

Rupers 270

Range Establishment

1 Estimate Maker — Rs 20

3 Lascars — each Rs 6 — 18

Range

$270 + 114 = 384 \times 12 = 4,608 \text{ Rs per annum.}$

6. The salaries of the office establishments at present are as follows.

No 1 Range — Rs 171

No 2 Range — 96

No 3 Range — 96

No 4 Range — 136

$499 \times 12 = 5,988$

Deduct new scheme — 4,608

Saving Rs 1,380

7. The Engineering Establishment proposed as compared with the existing Establishment will be as follows.

Existing Establishment

Mr R. C. Torpor — Rs 650

Lieut. Purchas — 350

Mr. Hawkeworth — 150

Lieut. Graham — 250

Mr. G. Torpor — 250

Mr. Bell — 350

$2,360 \times 12 = 28,320$

Proposed Establishment

Executive or District Engineer — Rs 650

Assistant Engineer, No 1 Range — 150

1 ————— No 2 — 250

1 ————— No 3 — 250

$1,600 \times 12 = 19,200$

Difference — $760 \times 12 = 9,120$

Add saving in office Establishment — 1,380

Total Saving Rs 10,500

8. Lieutenant Purchas having resigned his appointment in the D. P. W., leaves 1 Executive and 3 Assistants attached to the District, and Mr. Bell who had been temporarily detached from the Madras District for special duty on the

the Pilandorai Ancient works, may
either be permitted to remain in charge
of that work or may be employed per-
haps on Local Fund works, as I
presume that from the beginning
of the ensuing year the supervision
of Local Fund works and all esta-
blishments appertaining thereto will
be kept entirely distinct from
Imperial works.

9. In the event of Mr Bell
being removed from the Ancient
works, Mr Executive Engineer Norfor
considers that Laloo E. Bursur A. Corp.
prossawny hoodahy is competent to
have personal charge of this work, as
he has recently very successfully comple-
ted the Mahmaton Ancient and
other large works.

Have the honor to be

Sir,

Your most Obedient Servant

Richd. Roberts Esq. C.E.
Asst. Superint. Engrs, S. B. Co.

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Read the following

From

The Ag. Supg. Engineer
of the 5th Division

G.O. No 2182 of 19th Jan'y/71

8/11/71 recd
From Mr. Supg. Engineer,
The Ag. Supg. Engineer,
(8) 5th Division.

To,
The Secretary to Government,
P. W. Department,
Madras.

Dated 19th January 1871
Recd: 27th January 1871
No 218A

Enclosure 1
Establishment.
Submitting for consideration of Govt. a proposal for effecting reduction in the cost of establishment of the P. W. in South Arcot, by reducing the number of Ranges and creating a District office.
No 373-7 Feb'y/71

No 155

625 Jan'y/71 R. 30

Ordered to be over,
the question of the reorganization of the Public Works Department being under the consideration of Government.

AR

19

To
The Supg. Engr. 5th Div ✓

Desp. 8/2/71

17/285

PUBLIC WORKS.

To
Herrn de tuzg. Superintendent
Enginn 5. Division

Data

¹ Recd

Incl

G O. 7th May 1871, No 373.

Nos. 155-156

Enlightenment Letter from the
 18th Aug. 1795. The 5th B^d submitting
 a memorial for effecting a
 reduction in the Cork & Water R^d.
 Establishment in North Lamb,
 closed the answer.