op w 21.9.86. 2200 w 3.9.86.
9.8.86. 1706 w 22.7.85

P.W.C. No 7983

No 2717 wa/15th Octr/86

B

If the timber in question cannot be utilised in the Workshops, it should be sold by auction, & the proceeds credited to the Forest Dept.

If the Workshops can use it, the price to be paid should be reported.

Joll
14/10/86.

3353 C. 29.9.86.
1732 w 9.7.88.
2343 w 21.9.86.

S.E. V circle

Despd 16-10-86

18/10

P.W.C. No 7983

From
THE SUPERINTENDING ENGINEER,
V CIRCLE,

To
THE Chief Engr
P.W. Deptt.

SECRETARY TO GOVERNMENT
13 OCT 86
DEPARTMENT

Dated 12th } October 1886.
Recd. 13 }

ENCLOSURES.

No 2717 wa/15th Octr/86

No. 3493.

Logs of Timber.

States that it is not likely a good price will be obtained for 23 — now in the P.W. Stores.

Write with order

2400 W 21.9.86. 2200 W 3.4.86

No. 3493

SUPERINTENDING ENGINEER'S OFFICE,
V CIRCLE, MADRAS,
Chepâk, 12th October 1886.

From

THE SUPERINTENDING ENGINEER,
V CIRCLE,

To

THE Chief Engineer
P.W. Department.

Enclosures.

SIR,

With reference to your Memorandum No. 3353 C. dated 29th September 1886, I have the honor to report that there are in the P.W. Stores 15 logs (about 600 Cft.) of timber received from the District Forest Officer of Malabar and 8 logs (about 200 Cft.) from Godavari. It is not likely a good price will be obtained for them if sold by public auction.

I have the honor to be
Sir
Your Most Obedt servant

W H Burton Coll. R.E.

Supg. Engr.
5th Circle.

No. 3353 C d/ 29-9-86 P.W.D.

Memorandum

With advertence to G.O. No. 1732 W dated 9th July 1886, the Supdg Engineer V Circle is requested to report whether any portion of the timber with which experiments were made remains in the workshops, and if so, whether arrangements can be made to sell the same on account of the Forest Dept.

S.E. V Circle.

Despd 29.9.86

Cn

Jol
27/9/86

No. 1732 W of 9-7-86

C. 3353 C of 29-9-86

7963

To W.

This report was called for on a D/O letter to you from Lt.-Col. Campbell-Walker.

For orders whether the S. E. shall be directed to sell the timber to the best advantage.

14.10.86

If the wood cannot be utilized in the Workshops, it must be sold by auction. the proceeds being credited to Forest Dept. If the workshops can use it the price then paid should be reported.

14/10/86

GENERAL.
ACCOUNT.

Govt. of {1886} Madras.
PUBLIC WORKS.

Dated July, 9th.

Recd. Encl.

G.O., 9th July 1886, No. 1732 W.

JULY.

Timber

The results of experiments made by the General Superintendant, Public Works Workshops, on certain kinds of — supplied by the Forest Department, circulated, with remarks, to officers of the department.

No. 1732 W dd 9-7-86

No. 3353 C dd 29-9-86

GENERAL.
ACCOUNT.

Govt. of {1886} Madras.
PUBLIC WORKS.

Dated July, 9th.

Recd. *Encl.*

G.O., 9th July 1886, No. 1732 W.

JULY.

Timber

The results of experiments made by the General Superintendant, Public Works Workshops, on certain kinds of — supplied by the Forest Department, circulated, with remarks, to officers of the department.

Order—dated 9th July 1886, No. 1732 W., Public Works.

The three statements submitted by the General Superintendent, Public Works Workshops, have been embodied in a single table, which will be circulated to officers of the Public Works Department for information.

2. The Government take this opportunity of reiterating their strongly-expressed desire that timber of indigenous growth should be more largely utilised in future, the agency of the Forest Department being employed for obtaining supplies.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Chief Engineer for Irrigation.
" Consulting Engineer for Railways.
To Superintending Engineers.
To the Consulting Architect to Government.
" Superintendent, Madras Harbour Works.
" Examiner, Public Works Accounts.
" Revenue Department.
" Newspapers.

Exd. E. Fernandez.
Spare Copies

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the centre of the piece under experiment was suspended a pan as shown in the elevation of the accompanying drawing. Into this pan weights were placed, and the deflection at centre noted and shown in column 9, the weight producing the deflection being shown in column 10. In order to note the deflection a scale was suspended close to the centre of the piece under trial, as shown in the section of the accompanying tracing.

3. From the data thus obtained, the value of "a," given in column 11, is found by the formula $40 \times \frac{B \times D^3 \times d}{L^3 \times W}$ (Tredgold's Carpentry) where L is the span in feet, B the breadth in inches, D the depth in inches, d the deflection in inches, and W the weight in pounds producing the deflection.

4. The following rules to find the scantling of a piece of timber that will sustain a given weight, when supported at the ends in horizontal position, are taken from Tredgold's Carpentry :—

Case 1.—When the breadth is given, multiply the square of the length in feet by the weight in pounds, and this product by the value of a opposite the kind of wood in the accompanying tables. Divide the product by the breadth in inches, and the cube root of the quotient will be the depth required in inches, viz.—

$$D = \sqrt[3]{\frac{L^2 \times W \times a}{B}}$$

Case 2.—When the depth is given, multiply the square of the length in feet by the weight in pounds, and multiply this product by the value of a opposite the name of the kind of wood in the accompanying table. Divide the product by the cube of the depth in inches, and the quotient will be the breadth in inches required, or

$$B = \frac{L^2 \times W \times a}{D^3}$$

But generally neither the breadth nor depth is given; in this case it will be best to fix on some proportion which the breadth should have to the depth; for instance, suppose it to be convenient to make the breadth to the depth as 0·6 is to 1, then the rule is as follows :—

Multiply the weight in pounds by the value of a opposite the kind of wood in the accompanying tables; divide the product by 0·6 and extract the square root. Multiply this root by the length in feet and extract the square root a second time, which will be the depth in inches required, or

$$D = \sqrt{\left\{L \times \sqrt{\frac{W \times a}{0{\cdot}6}}\right\}}$$

The breadth is equal to the depth multiplied by 0·6.

5. To find the scantling when the weight is uniformly distributed. When the weight is uniformly distributed over a beam supported at both ends, the deflection produced by this weight uniformly distributed would be to the deflection produced by the same weight collected in the middle of the length as 5 : 8 or as 0·625 : 1.

Therefore in the above rules it is only necessary to employ the weight in pounds multiplied by 0·625, instead of the whole weight, in order to find the scantling when the weight is uniformly distributed.

6. Column 5 gives the weight of a cubic foot of each kind of wood.

Endorsement on the above.

No. 1424.

Forwarded to the Chief Engineer, Public Works Department, with reference to his memorandum, No. 1521 C., dated 17th April 1886.

(Signed) W. H. BURTON, Colonel, R.E.,
28th June 1886. Suptg. Engineer, V Circle.

To be substituted for the order of the same number and date.

9TH JULY 1886, No. 1732 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

READ—the following papers :—

From H. H. O'CONNELL, Esq., General Superintendent, Public Works Workshops, to the Superintending Engineer, V Circle, dated Madras, 23rd March 1886, No. 1987 W.

With reference to G.O., No. 860 W., dated the 9th April 1885, I have the honor to forward, herewith, the results of the experiments on timber sent from the districts of Tinnevelly and Coimbatore. Specimens of *Terminalia tomentosa*, *Anogeissus latifolia*, and *Chloroxylon Swietenia* were received from the Madura and Salem districts; but, as the experiments with them were made with breaking weights, the results were unsatisfactory and have been omitted.

2. The tables have been made out in accordance with the rules laid down in Tredgold's Carpentry, section II, paragraph 85, and following (edition of 1870).

3. I have added a column to the table, showing the calculated section for each kind of wood to bear a weight of 1,000 lb. at centre with a span of 20 feet.

Endorsement on the above.

No. 100.

Submitted to the Chief Engineer, Public Works Department, with reference to paragraph 4 of G.O., No. 860 W., dated 9th April 1885.

CHEPÂK, (Signed) H. L. PRENDERGAST, Colonel, R.E.,
7th April 1886. Superintending Engineer, V Circle.

Memorandum to Superintending Engineer, V Circle, dated 17th April 1886, No. 1521 C.

From H. H. O'CONNELL, Esq., General Superintendent, Public Works Workshops, to the Superintending Engineer, V Circle, dated Madras, 4th June 1886, No. 444 W.

In reply to your endorsement[*] on memorandum from the Chief Engineer, Public Works Department, dated the 17th April 1886, No. 1521 C., I have the honor to submit a report on the experiments on timber supplied by the Forest Department.

2. The timber was cut into suitable lengths, varying from 8 feet to 3 feet, the sections being 1 inch square, 1½ inches square and 2 inches square as shown in columns 7 and 8 of the accompanying table. Each piece was placed so that it had its ends resting on two beams; the distance between the beams is shown in column 6. From

[*] No. 328, dated 20th April 1886.

	Anogeissus latifolia.	Siri-maun ..	Vallay-naga ..	..	·973	60·73	5·5	1	1	1·75	64	·00657	
							5·5	1½	1½	1·75	250	·00851	
							5·5	2	2	1·75	670	·01004	
	Bassia latifolia ..	Ipie	Caat-elloopei ..	..	·946	59·05	5·5	1	1	1·75	54	·00780	
							5·5	1½	1½	1·75	194	·01097	
							5·5	2	2	1·75	418	·01610	
Tinnevelly.	Hopea parviflora ..	....	Kongú ..	..	1·027	64·11	7	1½	1½	2	210	00562	
							7	2	2	2	644	·00579	Irubogam (Malayalam.)
							7	1	1	2	32	·00728	
	Masua ferrea ..	Naga-kesara ..	Naugú ..	..	1·290	80·52	7	1½	1½	2	210	·00562	
							7	2	2	2	658	·00567	
							7	1	1	2	46	·00507	
	Amoora	....	Skocklá ..	..	·816	50·93	2½	1	1	1	392	·00653	
							2½	1½	1½	1	1134	·01142	Chemmaram (Malayalam.)
							2½	2	2	1½	1918	·01114	
	Anogeissus latifolia.	Siri-maun ..	Vallay-naga ..	..	1·081	67·48	7	2	2	2	322	·01158	
							7	1½	1½	2	112	·01054	
							7	1	1	2	28	·00832	
	Chloroxylon Swietenia.	Billuda	Moodooda ..	..	·973	60·73	7	1½	1½	2	182	·00648	
							7	2	2	2	522	·00720	
							7	1	1	2	32	·00728	
	....	....	Palvadinthan ..	..	·596	37·2	7	1½	1½	2	112	·01054	
							7	2	2	2	434	·00859	
							7	1	1	2	32	·00728	
	Litsæa zeylanica ..	....	Shenbagappallai ..	..	·973	60·73	7	1½	1½	2	126	·00937	
							7	1	1	2	21	·01110	

* Broke suddenly.

Madras,
4th June 1886.

(Signed) H. H. O'CONNELL,
General Superintendent, P. W. Workshops.

List of different kinds of timber sent to the Public Works Department Workshops, Madras, for experiment, from the forests of Coimbatore, &c.—*cont.*

District.	Scientific names.	Telugu names.	Tamil names.	Canarese names.	Specific gravity.	Weight per cubic foot in lb.	Span in feet, L.	Breadth in inches, B.	Depth in inches, D.	Deflection in inches, *d.*	Weight producing the deflection in lb., W.	Value of "*a.*"	Remarks.
1	2	3			4	5	6	7	8	9	10	11	12
Coimbatore (South)—*cont.*	Melia Azadirachta ..	Vépá	Vaypum	..	·810	50·56	5·5	1	1	1·75	30	·01402	deflection produced by this weight uniformly distributed would be to the deflection produced by the same weight collected in the middle of the length as 5 : 8, or as 0·625 : 1. Therefore in the above rules it is only necessary to employ the weight in pounds multiplied by 0·625, instead of the whole weight, in order to find the scantling. Weight of a cubic foot of each kind of wood is given in column 5.
							5·5	1½	1½	1·75	152	·01401	
							5·5	2	2	1·25	362	*	
	Polyalthia cerasoides.	Chilka-dúdúgu ..	Nooblay ..	..	·757	47·25	5·5	1	1	1·75	54	·00779	
							5·5	1½	1½	1·75	222	·00925	
							5·5	2	2	1·75	810	·00831	
	Nephelium Longan ..	....	Poovutty marum ..	..	·973	60·73	5·5	1	1	1·75	80	·00526	
							5·5	1½	1½	1·75	266	·00801	
							5·5	2	2	1·75	782	·00868	
	Pterocarpus Marsupium.	Yegi	Vengay	..	·973	60·73	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	212	·01004	
							5·5	2	2	1·⅝	614	*	
	Tectona grandis ..	Tèka	Thaikoo marum ..	..	·810	50·56	5·5	1	1	1·75	44	·00956	
							5·5	1½	1½	1·75	222	·00925	
							5·5	2	2	1·75	712	·00929	
	Bassia longifolia ..	Ippa	Elloopa	..	·810	50·56	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	138	·01543	
							5·5	2	2	1·5	390	·01533	
	Terminalia chebula.	Karakáia	Kadukai marum ..	..	·973	60·73	5·5	1	1	1·75	30	·01402	
							5·5	1½	1½	1·75	198	·01075	
							5·5	2	2	1·75	580	·01160	
	Acacia leucophlœa ..	....	Vel-velam ..	..	1·054	65·6	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	166	·01283	
							5·5	2	2	1·75	586	·01148	
	Tamarindus Indica.	Chintá-chettu ..	Poolie	..	·919	57·36	5·5	1	1	1·75	52	·00809	
							5·5	1½	1½	1·75	264	·00830	
							5·5	2	2	1·75	754	·00890	
	Nauclea cordifolia ..	Bota-cadamie ..	Neercadamba ..	..	·757	47·25	5·5	1	1	1·75	36	·01160	
							5·5	1½	1½	1·75	180	·01183	
							5·5	2	2	1·75	558	·01206	
	Dalbergia latifolia..	Viroo-goodu Chawa.	Ettie	..	·865	53·99	5·5	1	1	1·75	42	·01001	
							5·5	1½	1⅓	1·75	208	·01024	
							5·5	2	2	1·75	628	·01072	
	Xylia dolabriformis..	Konda Tangedú ..	Irúl	..	·919	57·36	5·5	1	1	1·75	78	·00539	
							5·5	1½	1½	1·75	278	·00766	
							5·5	2	2	1·75	558	·01206	
	Terminalia tomentosa.	Nella-madoo ..	Kara-maradoo ..	..	1·054	65·6	5·5	1	1	1·75	46	·00914	
							5·5	1½	1½	1·75	250	·00851	
							5·5	2	2	1·75	656	·01026	

List of different kinds of timber sent to the Public Works Department Workshops, Madras, for experiment, from the forests of the Coimbatore (South) and Tinnevelly districts.

District.	Scientific names.	Telugu names.	Tamil names.	Canarese names.	Specific gravity.	Weight per cubic foot in lb.	Span in feet, L.	Breadth in inches, B.	Depth in inches, D.	Deflection in inches, d.	Weight producing the deflection in lb., W.	Value of "a."	Remarks.
1	2	3			4	5	6	7	8	9	10	11	12
Coimbatore (South).	Albizzia Lebbek	Dirisina	Kattuvagai	..	·810	50·56	5.5	1	1	1·75	44	·00956	The following are the rules to find the scantling of timber that will sustain a given weight when supported at the ends in a horizontal position. When the breadth or B is given:— $D = \sqrt[3]{\frac{L^2 \times W \times a}{B}}$. Where L = Length in feet. W = Weight in pounds. a, = Value to be found opposite the name of the kind of wood in the table. B = Breadth in inches. When the depth or D is given: $B = \frac{L^2 \times W \times a}{D^3}$. L = Length in feet. W = Weight in pounds. a = Value to be found opposite the name of the kind of wood in the table. D = Depth in inches. When, as is generally the rule, B and D are not given, it will be best to fix on some proportion which the breadth should have to the depth, say, as 0·6 : 1, then the rule is: $D = \sqrt{\left\{L \times \sqrt{\frac{W \times a}{0{\cdot}6}}\right\}}$ Having found D, then B = D × 0·6. To find the scantling when the weight is uniformly distributed over a beam supported at both ends, the
							5·5	1½	1½	1·75	222	·00925	
							5·5	2	2	1·75	674	·00999	
	Terminalia alata	....	Pillœ Murodu	..	·865	53·99	5·5	1	1	1·75	68	·00618	
							5·5	1½	1½	1·75	168	·01267	
							5·5	2	2	1·75	642	·01048	
	Stereaspermum chilanvires.	Patoli Kalagora Moka yapá.	Padri	..	·757	47·25	5·5	1	1	1·75	64	·00657	
							5·5	1½	1½	1·75	306	·00695	
							5·5	2	2	1·75	746	·00902	
	Grewia tiliæfolia	Jana	Sudachi	..	·757	47·25	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	208	·01024	
							5·5	2	2	1·75	656	·01026	
	Feronia elephantum.	Velaga	Velam-marum	..	·865	53·99	5·5	1	1	1·75	56	·00751	
							5·5	1½	1½	1·75	220	·00968	
							5·5	2	2	1·75	698	·00966	
	Acacia sundra	Sundra	Karungali	..	1·081	67·48	5·5	1	1	1·75	64	·00657	
							5·5	1½	1½	1·75	250	·00851	
							5·5	2	2	1·75	914	·00736	
	Odina wodier	Waddi gampina	Woodian	..	·865	53·99	5·5	1	1	1·75	20	·02103	
							5·5	1½	1½	1·75	164	·01294	
							5·5	2	2	1·75	544	·01237	
	Lagerstrœmia microcarpa.	....	Ventak	..	·810	50·56	5·5	1	1	1·75	40	·01051	
							5·5	1½	1½	1·75	220	·00968	
							5·5	2	2	1·75	572	·01176	
	Melia azedarach	Túraka Vépá	Malay Vaymboo	..	·809	50·5	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	138	·01543	
							5·5	2	2	1·75	390	·01533	
	Ulmus integrifolia	Naulie	Aya	..	·644	40·2	5·5	1	1	1·75	24	·01753	
							5·5	1½	1½	1·75	166	·01283	
							5·5	1½	1½	1·75	180	·01183	
							5·5	2	2	1·75	306	·02199	
	Diospyros melanoxylon.	Toomida	Tumballi	..	·946	59·05	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	196	·01317	
							5·5	2	2	1·75	474	·01420	

7963

D W

This report was called for in a D/O letter to you from Lt. Col. Campbell Walker.

For orders whether the S. E. shall be directed to sell the timber to the best advantage.

Cu
14.10.86

If the wood cannot be utilized in the Workshops, it must be sold by auction, the proceeds being credited to Forest Dept. If the workshops can use it the price obtained should be reported

Jn
14/10/86

7040

Govt. of (1886) Madras.
PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 21 Sept. 1886, No. 2393 W

Temporary Estab

Sanctioning, with remarks, an ~~Extra~~ additional [illegible] of a clerk & a lascar for the Rushikulya Divn

40
4

List of different kinds of timber sent to the Public Works Department Workshops, Madras, for experiment, from the forests of the Coimbatore (South) and Tinnevelly districts.

District.	Scientific names.	Telugu names.	Tamil names.	Canarese names.	Specific gravity.	Weight per cubic foot in lb.	Span in feet, L.	Breadth in inches, B.	Depth in inches, D.	Deflection in inches, d.	Weight producing the deflection in lb., W.	Value of "a."	Remarks.
1	2	3			4	5	6	7	8	9	10	11	12
Coimbatore (South).	Albizzia Lebbek ..	Dirisina ..	Kattuvagai ..	..	·810	50·56	5.5	1	1	1·75	44	·00956	The following are the rules to find the scantling of timber that will sustain a given weight when supported at the ends in a horizontal position. When the breadth or B is given :— $D = \sqrt[3]{\frac{L^2 \times W \times a}{B}}$. Where L = Length in feet. W = Weight in pounds. a ,= Value to be found opposite the name of the kind of wood in the table. B = Breadth in inches. When the depth or D is given : $B = \frac{L^2 \times W \times a}{D^3}$. L = Length in feet. W = Weight in pounds. a = Value to be found opposite the name of the kind of wood in the table. D = Depth in inches. When, as is generally the rule, B and D are not given, it will be best to fix on some proportion which the breadth should have to the depth, say, as 0·6 : 1, then the rule is : $D = \sqrt{\left\{L \times \sqrt{\frac{W \times a}{0 \cdot 6}}\right\}}$ Having found D, then B = D × 0·6. To find the scantling when the weight is uniformly distributed over a beam supported at both ends, the
							5·5	1½	1½	1·75	222	·00925	
							5·5	2	2	1·75	674	·00999	
	Terminalia alata ..	....	Pillœ Murodu ..	..	·865	53·99	5·5	1	1	1·75	68	·00618	
							5·5	1½	1½	1·75	168	·01267	
							5·5	2	2	1·75	642	·01048	
	Stereaspermum chilanvires.	Patoli Kalagora Moka yapá.	Padri ..	..	·757	47·25	5·5	1	1	1·75	64	·00657	
							5·5	1½	1½	1·75	306	·00695	
							5·5	2	2	1·75	746	·00902	
	Grewia tiliæfolia ..	Jana	Sudachi ..	..	·757	47·25	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	208	·01024	
							5·5	2	2	1·75	656	·01026	
	Feronia elephantum.	Velaga	Velam-marum ..	..	·865	53·99	5·5	1	1	1·75	56	·00751	
							5·5	1½	1½	1·75	220	·00968	
							5·5	2	2	1·75	698	·00966	
	Acacia sundra ..	Sundra	Karungali ..	..	1·081	67·48	5·5	1	1	1·75	64	·00657	
							5·5	1½	1½	1·75	250	·00851	
							5·5	2	2	1·75	914	·00736	
	Odina wodier ..	Waddi gampina ..	Woodian ..	..	·865	53·99	5·5	1	1	1·75	20	·02103	
							5·5	1½	1½	1·75	164	·01294	
							5·5	2	2	1·75	544	·01237	
	Lagerstrœmia microcarpa.	....	Ventak	..	·810	50·56	5·5	1	1	1·75	40	·01051	
							5·5	1½	1½	1·75	220	·00968	
							5·5	2	2	1·75	572	·01176	
	Melia azedarach ..	Túraka Vépá ..	Malay Vaymboo ..	..	·809	50·5	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	138	·01543	
							5·5	2	2	1·75	390	·01533	
	Ulmus integrifolia..	Naulie	Aya	..	·644	40·2	5·5	1	1	1·75	24	·01753	
							5·5	1½	1½	1·75	166	·01283	
							5·5	1½	1½	1·75	180	·01183	
							5·5	2	2	1·75	306	·02199	
	Diospyros melanoxylon.	Toomida	Tumballi	..	·946	59·05	5·5	1	1	1·75	38	·01237	
							5·5	1½	1½	1·75	196	·01317	
							5·5	2	2	1·75	474	·01420	

18th April 1885, No. 923 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From the Superintending Engineer, II Circle, dated 3rd March 1885, No. 2745 K.S.
Endorsement of the Examiner, Public Works Accounts, dated 16th March 1885, No. 891 S.E.
Office note from „ „ „ 1st April „ No. 3.

Order—dated 18th April 1885, No. 923 W., Public Works.

Questions having arisen as to the sanctioned scale of office establishments to be allowed for the Assistant Engineers and upper subordinates attached to each circle, it is desirable that a working scale should be fixed which will not be liable to the temporary fluctuations due to casualties and transfers among the executive staff.

2. Superintending Engineers are accordingly requested to submit, for consideration, a scale of establishment for each division, based on existing sanction for—

(a) Sub-divisional officers.
(b) Detached officers above the rank of overseer.
(c) Overseers.

3. The authorised scale under each of these heads is as follows :—

		RS.
(a)	1 Clerk, IV class, 3rd grade	20—30
	1 Messenger	6
(b)	1 Clerk, IV class, 3rd grade	20—30
	1 Lascar	6
(c)	1 Clerk, V class, 1st grade	15—20
	1 Lascar	6

4. The special rates of pay allowed to the sub-divisional establishments of the Nílgiri division should be provided for.

5. When the scale of establishment for each division has been fixed, all appointments will be counted against duly sanctioned posts.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To Superintending Engineers.
To the Consulting Architect to Government.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1885} Madras.

PUBLIC WORKS.

Cashier
Ext

Dated April, 18th. 3/4

Reed. Encl.

G.O., 18th April 1885, No. 923 W.

APRIL.

Office Establishments

Superintending Engineers to submit a scale of — for each division.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following paper :—

From the Chief Engineer for Irrigation, dated 26th November 1883, No. 80 E.W.

Order—dated 30th November 1883, No. 3420 W., Public Works.

The following temporary establishment for the Rushikulya project division is sanctioned, and will be engaged by the Superintending Engineer as soon as practicable :—

	RS.
4 Overseers on	80 each.
Divisional Office Establishment.	
1 Clerk on	60
1 Do.	40
1 Do.	30
1 Do.	20
1 Draftsman on	80
1 Do.	50
1 Messenger on	7
1 Do.	6
3 Lascars on	6 each
Sub-divisional Office Establishment.	
2 Clerks on	20 each
2 Messengers on	6 ,,
6 Lascars on	6 ,,
Upper Subordinate Office Establishment.	
5 Clerks on	15 each
5 Lascars on	6 ,,

2. The Superintending Engineer will in due course report the sum required for appropriation during the current official year to meet the cost of the establishment.

3. This sanction has been registered as Provincial No. 61 W. of 1883-84, and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, First Circle.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. P. L. Pereira.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1883} Madras.

PUBLIC WORKS.

Dated November, 30th.

Recd. *Encl.*

G.O., 30th Nov. 1883, No. 3420 W.

NOVEMBER.

Rushikulya Project Division

Sanctioning temporary establishment for the —.

5th May 1884, No. 1121 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From G. T. WALCH, Esq., Officiating Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Cocanada, 14th March 1884, No. 548 G.N.

I have the honor to bring to your notice that in G.O., No. 3420 W., dated 30th November 1883, no storekeeper has been sanctioned for the Rushikulya division, and I now request you will be good enough to have a storekeeper, on a salary of Rs. 25 per mensem, sanctioned by Government for that division.

2. I submit herewith a letter * and its enclosure, in original, received from the Executive Engineer, Rushikulya division, reporting that he has appointed one Mr. J. A. Potgeiter, an old Government servant, as storekeeper in Rushikulya division office, and I recommend that the appointment be sanctioned.

* No. 65 of 15th January 1884.

Office note from the Examiner, Public Works Accounts, dated 3rd April 1884, No. 4.

G.O., dated 19th April 1884, Mis. No. 194, Educational.

Read—letter from the Public Works Department, dated 8th April 1884, No. 845 C.

Order—dated 19th April 1884, Mis. No. 194, Educational.

Mr. Potgeiter will be exempted from the Middle School Examination while he holds the temporary appointment of storekeeper.

(True Extract.)

(Signed) E. F. WEBSTER,
Chief Secretary.

From the Superintending Engineer, I Circle, dated 22nd April 1884, No. 519 N.

Order—dated 5th May 1884, No. 1121 W., Public Works.

The appointment of a storekeeper on Rs. 25 per mensem, in the Rushikulya division, is sanctioned.

2. Mr. J. A. Potgeiter, who has been selected for the post, has been exempted from the Middle School Examination in the Proceedings of Government, Educational Department, above recorded.

3. The sanction accorded in paragraph 1 has been registered as Provincial No. 7 W. of 1884-85 and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle, with two enclosures.
" Chief Engineer for Irrigation.
" Examiner, Public Works Accounts.

Exd. A. Aubert.
Spare Copies

GENERAL.
ESTABLISHMENT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated May, 5th.

Recd. *Encl.*

G.O., 5th May 1884, No. 1121 W.

MAY.

Rushikulya Division

The appointment of a storekeeper on Rs. 25 *per mensem in the* —, sanctioned with remarks.

23rd March 1886, No. 778 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers:—

From Major S. C. Clarke, R.E., Acting Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 2nd March 1886, No. 533 G.N.

I have the honor to forward, for early sanction, an estimate for the requisite establishment for supervising the Chinna Kimedi Estate works, which may have to be increased later on should the one overseer be found overworked.

2. The Executive Engineer has asked for three lascars, as he is of opinion that two will be found insufficient to meet all possible contingencies.

3. The establishment, as now estimated for, will fall within 9 per cent. on projected outlay, viz., Rs. 25,000, during the coming year. I beg that a competent overseer may be selected and sent as soon as possible to Rushikulya division.

Enclosure.

Statement showing establishment required for Estate works in Rushikulya division.

Number required.	Designation.	Rate of salary per month.	Amount.	Total.	Remarks.
		Rs.	Rs.	Rs.	
1	Overseer, 1st grade ...	100	100		
1	Clerk	15	15		
1	Lascar	7	7		
2	Lascars, each	6	12		
	Total ...	...	...	134	
	Total of charges for one month.	...	...	134	
	Total of charges for one year.	...	...	1,608	About 8 per cent. on proposed outlay, Rs. 25,000.

Dowlaishweram,
2nd March 1886.

(Signed) S. C. CLARKE, Major, R.E.,
Ag. Superintending Engineer, I Circle.

Office note from the Examiner, Public Works Accounts, dated 18th March 1886, No. 944.

Order—dated 23rd March 1886, No. 778 W., Public Works.

The statement of temporary establishment required for supervision of Estate works in the Rushikulya division is sanctioned; but the provision therein made for travelling allowances has been struck out, as a lump sum has been provided for the purpose in the Provincial budget for 1886-87.

2. The overseer will be nominated by the Chief Engineer, Public Works Department.

3. This sanction has been registered as Provincial, No. 71 W. of 1885-86, and classified as Establishment, Temporary.

(True Extract.)

(Signed) J. SHAW-STEWART, Colonel, R.E.,
Secretary to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. E. Fernandez.
Spare Copies

1886.

P. W. DEPARTMENT.

Current No. 4353

From
The Supty: Engr: I Circle

Enclos.—1

No. 114 G. N.
Dated 30th May 1886
Received 8th June 1886.

Subject.

Proposition Statement for the Office Establishment (Tempy) required for the Rushikulya Dn for 1886-87 — submits for sanction a ——

Disposal.

No. 2095 Dated 8th June 1886

To C/

For favor of check as regards "present scale" and return.

(Sd/) D. McC.
D.W.
8/6/86.

15 W 8/6

[illegible] 9/6/86

GENERAL.
ESTABLISHMENT.

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated March, 23rd.

Recd. *Encl.*

G.O., 23rd March 1886, No. 778 W.

MARCH.

Temporary Establishment

The statement of — for supervision of Estate works in the Rushikulya division, sanctioned.

[illegible]
2/4/86

25th June 1886, No. 1617 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From Major S. C. CLARKE, R.E., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 30th May 1886, No. 114 G.N.

I have the honor to submit, herewith, for sanction, a proposition statement for the office establishment (temporary) required for the Rushikulya division for 1886-87.

ENCLOSURE.

PROPOSITION STATEMENT for Revision of the Temporary Establishment of the Rushikulya Division for the year 1886-87.

Order sanctioning the present Establishment. Government of Madras, P.W.D.		Office to which the proposition refers.	Nature of Change.												Proposition.					
			Present Scale.						Proposed Scale.						Permanent.		Temporary.			
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.	
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.
				Division Office Establishment.	RS.	RS.	RS.	RS.		*Division Office Establishment.*	RS.	RS.	RS.	RS.	RS.	RS.		RS.		RS.
3420 W.	30th Nov. 1883.	Rushikulya Division Office.	1	Clerk	..	..	..	60	1	Clerk	..	..	..	60	..	..	..	..	..	..
			1	Do.	..	..	..	40	1	Do.	..	..	..	40	..	..	..	..	..	..
			1	Do.	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..
			..	....	..	..	..	..	1	Extra clerk	..	..	..	20	..	..	12	(a) 20	..	..
1121 W.	5th May 1884.		1	Draftsman	..	..	..	80	1	Draftsman	..	..	..	80	..	..	..	..	..	..
			1	Do.	..	..	..	50	1	Do.	..	..	..	50	..	..	..	..	..	..
			1	Storekeeper	..	..	..	25	1	Storekeeper	..	..	..	25	..	..	..	..	..	..
			1	Messenger	..	..	..	7	1	Messenger	..	..	..	7	..	..	..	..	..	..
			1	Do.	..	..	..	6	2	Messengers, each at Rs. 6	..	..	..	12	..	..	(b) 12	6	..	..
			3	Lascars, each at Rs. 6	..	..	..	18	3	Lascars, each at Rs. 6	..	..	..	18	..	..	..	..	..	..
				Sub-division Office Establishment.						*Sub-division Office Establishment.*										
3420 W.	30th Nov. 1883.	Sub-division Offices.	2	Clerks, each at Rs. 20	..	..	..	40	2	Clerks, each at Rs. 20	..	..	..	40	..	..	..	..	..	..
			2	Messengers, each at Rs. 6	..	..	..	12	2	Messengers, each at Rs. 6	..	..	..	12	..	..	..	..	..	..
			6	Lascars, each at Rs. 6	..	..	..	36	6	Lascars, each at Rs. 6	..	..	..	36	..	..	..	..	..	..
				Upper Subordinate Office Establishment.						*Upper Subordinate Office Establishment.*										
3420 W.	30th Nov. 1883.		5	Clerks, each at Rs. 15	..	..	..	75	5	Clerks, each at Rs. 15	..	..	..	75	..	..	..	..	..	..
			5	Lascars, each at Rs. 6	..	..	..	30	5	Lascars, each at Rs. 6	..	..	..	30	..	..	..	..	..	..
778 W.	23rd Mar. 1886.		1	Clerk	..	..	..	15	1	Clerk	..	..	..	20	..	..	12	5	(c)	..
			1	Lascar	..	..	..	7	1	Lascar	..	..	..	7	..	..	..	..		..
			2	Lascars, each at Rs. 6	..	..	..	12	2	Lascars, each at Rs. 6	..	..	..	12	..	..	..	..		..
			36		..	..	..	563	38		..	..	..	594	..	..	..	31	..	..

(a) Required for the efficient discharge of office work. The present office establishment is quite unequal to cope with the current work.

(b) The office building at Docgaru, which will be the future headquarters, is about 2 miles distant from the treasury and post office at Aska, and one man will constantly be required for going and coming. Hence an additional messenger is proposed.

(c) This establishment is required for estate works.

DOWLAISHWERAM,
31st May 1886.

(Signed) S. C. CLARKE, Major, R.E.,
Suptg. Engineer, I Circle.

Office note from the Examiner of Public Works Accounts, dated 16th June 1886, No. 212.

ORDER—dated 25th June 1886, No. 1617 W., Public Works.

The statement of temporary establishment required in the Rushikulya division during 1886-87 is sanctioned; but the provision therein made for an additional sub-division office establishment has been struck out, as the formation of a third sub-division has not been sanctioned. The Superintending Engineer will submit detailed proposals for the formation of an additional sub-division, if necessary.

2. This sanction has been registered as Provincial, No. 25 W. of 1886-87, and classified as Establishment, Temporary.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
„ Examiner, Public Works Accounts.

Exd. E. Fernandez.
Spare Copies.

GENERAL.
ESTABLISHMENT.

Govt. of (1886) Madras.

PUBLIC WORKS.

Dated June, 25th.

Recd. *Encl.*

G.O., 25th June 1886, No. 1617 W.

JUNE.

Temporary Establishment

A statement of — required in the Rushikulya division during 1886-87, sanctioned with remarks.

EXAMINER
No.
10 JUN 1886
ENCLOSURES
P.W. ACCOUNTS

Enclosure one.

No. 1149.N.

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DOWLAISHWARAM, 30th May 1886.

Despd. 2nd June 1886

SIR,

I have the honor to submit herewith for sanction a Proposition Statement for the Office Establishment (temporary) required for the Rushikulya Division for 1886-87.

I have the honor to be
Sir
Your Most obdt. servt.

Major R. E.
Supg Engineer 1st Circle.

SK

R No. 195
9/10 6. 86 En 1

No. 2095 C. d/ 8th June 1886

L C/

For favor of check as regards present scale and return.

8/6/86
D. N.

G. O. A. No. 778 W d/ 23-3-86
- - - 1121 W - 5-5-84
- - - 3420 W - 30-11-83

PWD 4353
4363/88
En 1

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE,

TO,

THE CHIEF ENGINEER
PUBLIC WORKS DEPARTMENT.

DATED 30th May
DESPATCHED 2nd June 1886
RECEIVED 8th

No. 114 G. N.

ENCLOSURES. One

Proposition Statement for the Office Establishment (Temporary) required for the Rushikulya Division for 1886-87 — Submits for sanction a—.

2

ESTABLISHMENT OF THE Rushikulya Division for the year 1886-87

posed scale.					Proposition.						Remarks.
					Permanent.		Temporary.				
					Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
gnation.	Pay.										
	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
				60							
				40							
				30							
				20							
rk				20	-	-	12	(a) 20	-	-	(a). Required for the efficien discharge of Office wo The present office Estb -ment is quite unequa to Cope with the Current wo
an				80							
				50							
pers				25							
ger				7							
ch at Rs 6				12			(a'). 12	6			(a') The Office buildin Dowgaum which will be future Head Quarters is a 2 miles distant from th Treasury & Post office at A and one man will Consta be required for going a Coming. Hence an addition messenger is proposed.
ach at Rs 6				18.							
ch at Rs 20				~~60~~ 40 40			~~12~~	~~20~~			
rs each at Rs 6				~~18~~ 12 12			~~12~~	~~6~~	~~(b)~~		(b). ~~Provision has been m~~ ~~for Establishment for th~~ ~~additional Asst. Engineer~~ ~~posted to this Division f~~ ~~Gurada Works.~~
ach at Rs 6				~~54~~ 36 36			~~12~~	~~18~~			

~~Superintending Engineer 1st. Circle.~~

PROPOSITION STATEMENT FOR REVISION OF THE *Temporary* ESTABLISHMENT OF THE *Rushikulya division for the year 1886-87*

ENCLOSURE
10 JUN 86
EXAMINER P.W. ACCOUNTS

Pr 4553/85 4663

Order sanctioning the present establishment Government of Madras Public Works Department.		Office to which the proposition refers.	NATURE OF CHANGE.												PROPOSITION.						Remarks.
			Present scale.						Proposed scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase per month.		Decrease per month.		
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
				Upper Subordinate Office Establishment.																	
3420 W.	30-11-83		5	Clerks each at Rs. 15				75	5	Clerks each at Rs. 15				75							
			5	Lascars each at Rs. 6				30	5	Lascars each at Rs. 6				30							
778 W.	23.3.86		1	Clerk				15	1	Clerk				20			12	5			(c). This Establishment is required for Estate Works
			1	Lascar				7	1	Lascar				7					(c)		
			2	Lascars each at Rs. 6				12	2	Lascars each at Rs. 6				12							
			36					563	~~43~~ 38					~~138~~ 594				31			

Major R.E.

Superintending Engineer 1st. Circle.

Dowlaishweram,
31/5 1886

PROPOSITION STATEMENT FOR REVISION OF THE *Temporar*

Order sanctioning the present establishment Government of Madras Public Works Department.		Office to which the proposition refers.	Nature of change.							
			Present scale.						Pr	
					Pay.					
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	No.	Desi
		Rushikulya Division Office		Division Office Establishment:						
			1	Clerk				60	1	✓ Clerk
			1	Do				40	1	✓ Do
			1	Do				30	1	✓ Do
			1	Do				20	1	✓ Do
3420.W.	30-11-83.								1	Extra cl
			1	Draughtsman				80	1	✓ Draftsm
			1	Do				50	1	Do
1121.W.	5 May/84		1	Storekeeper				25	1	✓ Storekee
			1	Messenger				7	1	✓ Messeng
			1	Do				6	2	✓ Do ea
			3	Lascars each at Rs 6.				18	3	✓ Lascars e
				Sub Division office Establishment.						
3420.W.	30-11-83	Sub Division offices.	2	Clerks each at Rs 20.				40	~~3~~ 2	✓ Clerks ea
			2	Messengers each at Rs 6				12	~~3~~ 2	✓ Messeng
			6	Lascars each at Rs 6				36	~~9~~ 6	✓ Lascars e

Dowlaishweram,
188

[O. No. 8.]

GOVT. OF MADRAS. 1886. P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 16 June 1886.

OFFICE NOTE NO. 212

To

W.

Encs: 2.

KEEP-WITH Genl. No.

dated 188

The entries in Column present scale have been duly checked and found correct. Application has been made for 3 Sub Divisional Office Establishments instead of for 2 as at present.

C.J.
16/6.

E.F.
16/6.

G.O. 778 W 23.3.86
Mo 2095 C. 8.6.86
G.O. 1121 W. 5.5.84
" 3420 W. 30.11.83

Mlle 4663

(2)

Rw 17/6/86
En 2

1617 W.

B

No. 1617 W.

Genl Estabt

PUBLIC WORKS DEPARTMENT.

A

PROCEEDINGS OF THE MADRAS GOVERNMENT.

25th June 1886

READ the following

From the Suptg. Engineer I Circle. H. E. No: 114 G. N. d/ 30th May 1886.

Office note from the Examiner of P. W. Accts. H. E. No: 212 d/ 16th June 1886.

The statement of temporary establishment required in the Rushikulya Division during 1886-87 is sanctioned; but the provision therein made for an additional sub-division office establishment has been struck out, as the formation of a third sub-division has not been sanctioned, ~~by Govt~~ The Suptg. Engineer will submit ~~for sanction~~ detailed proposals for the formation of an additional sub-division, if necessary.

2. This sanction has been registered as Provincial No: 25 W of 1886-87, and classified as Establishment, Temporary.

21/6/86

23.6.86

To The Suptg. Engr. I Circle
" Examiner of P. W. Accts.

Issued 3/7/86

21/6

23.6.86

4163

Govt. of {1886} Madras.

PUBLIC WORKS.

Dated 27/7/86

Recd. Encl.

No. 1617 W.

G.O., 25th June 1886, No. 1617 W.

Temporary Estabt.

A statement of — required in the Rushikulya Division during 1886-87, sanctioned with remarks.

40/3

21st September 1886, No. 2393 W., Public Works.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Establishment.

Read—the following papers :—

From G. T. WALCH, Esq., Superintending Engineer, I Circle, to the Chief Engineer, Public Works Department, dated Dowlaishweram, 23rd August 1886, No. 423 G.N.

I have the honor to submit, for sanction, the accompanying proposition statement for the revision of office establishment in the Rushikulya division.

2. An extract from the division officer's letter No. 769, dated the 2nd July 1886, explaining the necessity for the increase of the establishment entered in the statement, is enclosed.

3. The statement includes an increase of office establishment for a new sub-division—a third one. This sub-division has not yet been sanctioned by Government, but now I recommend for sanction with reference to G.O., No. 1617 W., dated the 25th June 1886, the formation of a new sub-division, to be called Suradá sub-division, on account of several important Irrigation works * connected with the project being carried out at or near that place. An Assistant Engineer, S. Venkataramaniah Pantulu, has been posted to the place.

* Suradá reservoir dam.
Do. supply channel.
Head-works at Janamilli, &c.

4. In case you are not disposed to sanction a new sub-division, I trust you will be good enough to sanction for the Assistant Engineer a clerk on Rs. 20 and a lascar on Rs. 6 per mensem.

C. No: 7040.

Note

In the accompanying proposition statement the S. E. I Circle applies for the undermentioned additional establishment to the Rushikulya Dn.

(a) 1 Cashier on Rs 30 per mensem } For the Divisional office
1 clerk on Rs 15 — " — }

(b) 2 assistant clerks on Rs 15 each " - For 2 existing Sub-Dl. offices

(c) 1 clerk on Rs 20 per mensem } For the new Sub-divisional office to be organised
1 messenger on Rs 6 — " — }
3 lascars on Rs 6 each — " — }

(a) Neither the E. E. nor the S. E. shows sufficient cause to warrant the employment of a cashier, who will be necessary only if the cash transaction in the Division is so vast that the Accountant cannot manage it without an Assistant.

The S. E. in his letter urges the necessity for the sanction of a third Sub-division and states nothing about the other additional establishment shown in the statement.

The budget provisions for Temporary Establishment have all been exhausted already and the prospects of obtaining further funds in the existing state of finance are at a minimum.

---

a clerk on Rs 20 and a lascar on Rs 6 as requested in the latter part of S.E. letter.

16/8/86

The S.E. seems to notice that there is such an enormous amount of work in the Rushikulya Dvn that accounts are getting hopelessly in arrears. The statements made by the E.E. are general ones & I am not in a position to judge whether the circumstances of the Rushikulya Dvn are so peculiar as to require such a large addl establishment. The S.E. gives no clear reasons why an addition of establishment is necessary. As the grant for temporary establishment is exhausted & there is little chance of getting more money I think it will be advisable for the present not to sanction

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original
G.O. No 1617 W dt 25-6-1886
– 2095 C – 8-6-1886
– – 778 W – 23-3-1886
– – 1121 W – 5-5-1884
– – 3420 W – 30-11-1883

Enclosure.

Proposition Statement for Revision of the Temporary Office Establishment of the Rushikulya Division for 1886-87.

Order sanctioning the Present Establishment. Government of Madras, Public Works Dept. Number.	Date.	Office to which the proposition refers.	Nature of Change. Present Scale. Number.	Present Scale. Designation.	Present Scale. Pay. Minimum.	Present Scale. Pay. Increment.	Present Scale. Pay. Maximum.	Present Scale. Pay. Average or Fixed.	Proposed Scale. Number.	Proposed Scale. Designation.	Proposed Scale. Pay. Minimum.	Proposed Scale. Pay. Increment.	Proposed Scale. Pay. Maximum.	Proposed Scale. Pay. Average or Fixed.	Proposition. Permanent. Increase per month. Amount.	Permanent. Decrease per month. Amount.	Temporary. Increase. Period.	Temporary. Increase. Amount.	Temporary. Decrease. Period.	Temporary. Decrease. Amount.	Remarks.
G.O., No. 1617 W.	25th June 1886.	Rushikulya Division.		*Division Office Establishment.*	RS.	RS.	RS.	RS.		*Division Office Establishment.*	RS.	RS.	RS.	RS.	RS.	RS.	MHS.	RS.	MHS.	RS.	
			1	Clerk	..	..	..	60	1	Clerk	..	..	..	60	..	..	..	..	..	..	
			1	Do.	..	..	..	40	1	Do.	..	..	..	40	..	..	..	..	..	..	
			1	Do.	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..	
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..	
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..	
			1	Draughtsman ..	..	..	..	80	1	Draughtsman ..	..	..	..	80	..	..	..	..	..	..	
			1	Do.	..	..	..	50	1	Do.	..	..	..	50	..	..	..	..	..	..	
			1	Storekeeper	..	..	..	25	1	Storekeeper	..	..	..	25	..	..	..	..	..	..	
			1	Messenger	..	..	..	7	1	Messenger	..	..	..	7	..	..	..	..	..	..	
			2	Messengers, each at Rs. 6	..	..	..	12	2	Messengers, each at Rs. 6	..	..	..	12	..	..	..	..	..	..	
			3	Lascars ,, at ,, 6	..	..	..	18	3	Lascars ,, at ,, 6	..	..	..	18	..	..	..	..	..	..	
			14		..	..	..	362	14		..	..	..	362	..	..	..	..	..	..	
				Sub-Division Office Establishment.						*Sub-Division Office Establishment.*											
			2	Clerks, each at Rs. 20	..	..	..	40	3	Clerks, each at Rs. 20	..	..	..	60	..	..	7	20	..	..	See Superintending Engineer's letter with which this statement is sent.
			2	Messengers ,, at ,, 6	..	..	..	12	2	Messengers ,, at ,, 6	..	..	..	12	..	..	..	..	..	..	
			6	Lascars ,, at ,, 6	..	..	..	36	7	Lascars ,, at ,, 6	..	..	..	42	..	..	7	6	..	..	
			10		..	..	..	88	12		..	..	..	114	..	..	..	26	..	..	
				Upper Subordinate Office Establishment.						*Upper Subordinate Office Establishment.*											
			5	Clerks, each at Rs. 15 ..	..	..	..	75	5	Clerks, each at Rs. 15 ..	..	..	..	75	..	..	..	..	..	..	This establishment was sanctioned for estate works.
			5	Lascars ,, at ,, 6 ..	..	..	..	30	5	Lascars ,, at ,, 6 ..	..	..	..	30	..	..	..	..	..	..	
			1	Clerk	..	..	..	20	1	Clerk	..	..	..	20	..	..	..	..	..	..	
			1	Lascar	..	..	..	7	1	Lascar	..	..	..	7	..	..	..	..	..	..	
			2	Lascars, each at Rs. 6 ..	..	..	..	12	2	Lascars, each at Rs. 6 ..	..	..	..	12	..	..	..	..	..	..	
			14		..	..	..	144	14		..	..	..	144	..	..	..	..	..	..	
			38		..	..	..	594	40		..	..	..	620	..	..	..	26	..	..	

Dowlaishweram,
August 1886.

(Signed) G. T. WALCH,
Superintending Engineer, I Circle.

Office note from Examiner, Public Works Accounts, dated 9th September 1886, No. 410.

Order—dated 21st September 1886, No. 2393 W., Public Works.

The Executive Engineer brings to notice that the work in the Rushikulya division has become so heavy that the accounts, &c., are getting into arrears; but as the statements made by him and by the Superintending Engineer are in general terms only, the Government are not in a position to determine whether the circumstances of the Rushikulya division are so peculiar as to require such a large extra establishment as that now applied for.

2. In existing financial circumstances, the Government are not prepared to sanction more than one extra clerk on Rs. 20 and a lascar on Rs. 6 per mensem as proposed in the latter part of the Superintending Engineer's letter. The statement submitted by the Superintending Engineer has been revised accordingly and sanction is granted to the reduced amount.

3. Should it be found hereafter, that, with the additional establishment now sanctioned, it is impossible to keep the work of the division current, a detailed report on the subject should be submitted accompanied by proposals for the necessary remedial measures.

4. The sanction accorded in paragraph 2 has been registered as Provincial, No. 41 W. of 1886-87, and classified as Establishment, Temporary.

(True Extract.)

Major, R.E.,
Under Secy. to Govt., P.W.D.

To the Superintending Engineer, I Circle.
" Examiner, Public Works Accounts.

Exd. P. L. Pereira.
Spare Copies

Enclosure.

Proposition Statement for Revision of the Temporary Office Establishment of the Rushikulya Division for 1886-87.

Order sanctioning the Present Establishment. Government of Madras, Public Works Dept.		Office to which the proposition refers.	Nature of Change.												Proposition.						Remarks.
			Present Scale.						Proposed Scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	Increase.		Decrease.		
Number.	Date.		Number.	Designation.	Minimum.	Increment.	Maximum.	Average or Fixed.	Number.	Designation.	Minimum.	Increment.	Maximum.	Average or Fixed.	Amount.	Amount.	Period.	Amount.	Period.	Amount.	
					RS.	RS.	RS.	RS.			RS.	RS.	RS.	RS.	RS.	RS.	MHS.	RS.	MHS.	RS.	
G.O. No. 1617 W.	25th June 1886.	Rushikulya Division.		*Division Office Establishment.*						*Division Office Establishment.*											
			1	Clerk	..	..	..	60	1	Clerk	..	..	..	60	..	..	..	..	..	..	
			1	Do.	..	..	..	40	1	Do.	..	..	..	40	..	..	..	..	..	..	
			1	Do.	..	..	..	30	1	Do.	..	..	..	30	..	..	..	..	..	..	
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..	
			1	Do.	..	..	..	20	1	Do.	..	..	..	20	..	..	..	..	..	..	
			1	Draughtsman	..	..	..	80	1	Draughtsman	..	..	..	80	..	..	..	..	..	..	
			1	Do.	..	..	..	50	1	Do.	..	..	..	50	..	..	..	..	..	..	
			1	Storekeeper	..	..	..	25	1	Storekeeper	..	..	..	25	..	..	..	..	..	..	
			1	Messenger	..	..	..	7	1	Messenger	..	..	..	7	..	..	..	..	..	..	
			2	Messengers, each at Rs. 6	..	..	..	12	2	Messengers, each at Rs. 6	..	..	..	12	..	..	..	..	..	..	
			3	Lascars ,, at ,, 6	..	..	..	18	3	Lascars ,, at ,, 6	..	..	..	18	..	..	..	..	..	..	
			14		..	..	..	362	14		..	..	..	362	..	..	..	..	..	..	
				Sub-Division Office Establishment.						*Sub-Division Office Establishment.*											See Superintending Engineer's letter with which this statement is sent.
			2	Clerks, each at Rs. 20	..	..	..	40	3	Clerks, each at Rs. 20	..	..	..	60	..	..	7	20	..	..	
			2	Messengers ,, at ,, 6	..	..	..	12	2	Messengers ,, at ,, 6	..	..	..	12	..	..	..	..	..	..	
			6	Lascars ,, at ,, 6	..	..	..	36	7	Lascars ,, at ,, 6	..	..	..	42	..	..	7	6	..	..	
			10		..	..	..	88	12		..	..	..	114	..	..	..	26	..	..	
				Upper Subordinate Office Establishment.						*Upper Subordinate Office Establishment.*											This establishment was sanctioned for estate works.
			5	Clerks, each at Rs. 15	..	..	..	75	5	Clerks, each at Rs. 15	..	..	..	75	..	..	..	..	..	..	
			5	Lascars ,, at ,, 6	..	..	..	30	5	Lascars ,, at ,, 6	..	..	..	30	..	..	..	..	..	..	
			1	Clerk	..	..	..	20	1	Clerk	..	..	..	20	..	..	..	..	..	..	
			1	Lascar	..	..	..	7	1	Lascar	..	..	..	7	..	..	..	..	..	..	
			2	Lascars, each at Rs. 6	..	..	..	12	2	Lascars, each at Rs. 6	..	..	..	12	..	..	..	..	..	..	
			14		..	..	..	144	14		..	..	..	144	..	..	..	..	..	..	
			38		..	..	..	594	40		..	..	..	620	..	..	..	26	..	..	

Dowlaishweram,
August 1886.

(Signed) G. T. WALCH,
Superintending Engineer, I Circle.

Extract from a letter No. 769 dated 2nd July 1886 from the Executive Engineer Rushikulya Division to the Supt. Engr. 1st Circle.

I have the honor to bring to your notice that owing to the amalgamation of the Gumsur and Berhampur Taluqs and three Estates of Chinakimidi, Daracotta and Bodagadda and also to the impetus given to the Project works, the work in my Office has been nearly doubled. My accounts are falling into arrears. Audit notes remain in the Office for three months unanswered, vouchers which should accompany monthly accounts are delayed for months. The Accountants excuse being that he has not time to scrutinize them and that he is unable to Cope with the work. As the Estate works (with the exception of one work) have not yet been started owing to their being no Establishment until quite recently, when they are started accounts will fall hopelessly in arrears. The proposition statement submitted by me on 7th May 1886 was prepared by my Accountant and he applied for three extra clerks for the Office viz: one on Rs 30 - one on Rs 20 and one on Rs 15 these I struck and substituted one man on Rs 40 - but his pay was cut down to Rs 20 - by Supdt Engineer or at his instance (he was on tour here then) I am now satisfied (I did not give the matter much consideration before as it is only lately the backward state of the Office has come more particularly to my notice) that the Office is very much undermanned and will have to be considerably strengthened I accordingly submit a fresh proposition statement allowing for the three extra clerks originally asked for by my Accountant or two in excess of the present scale - I have also allowed for two Sub Division Assistant Clerks - I do not consider the Establishment now asked for at all in excess of requirements -

× × ×

(Sd) I. Hamman
Ex Engr Rushikulya Dn

(True Extract)

Supdt Engr 1st Circle -

JK

GENERAL.
ESTABLISHMENT.

Govt. of {1886} Madras.
PUBLIC WORKS.

Dated September, 21st.

Recd. *Encl.*

G.O., 21st Sept. 1886, No. 2393 W.

SEPTEMBER.

Temporary Establishment

Sanctioning, with remarks, an additional — of a clerk and a lascar for the Rushikulya division.

2

PROPOSITION STATEMENT FOR REVISION OF THE Temporary office ESTABLISHMENT OF THE Rushikulya Division for 1886-87.

Order sanctioning the present establishment Government of Madras Public Works Department.		Office to which the proposition refers.	Nature of change.												Proposition.						Remarks.
			Present scale.						Proposed scale.						Permanent.		Temporary.				
					Pay.						Pay.				Increase per month.	Decrease per month.	~~Increase per month~~ Increase		~~Decrease per month~~ Decrease		
No.	Date.		No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	No.	Designation.	Minimum.	Increment.	Maximum.	Average or fixed.	Amount.	Amount.	Period. months	Amount. Rs	Period. months	Amount. Rs	
G.O. No 1617 W.	25/6/86	Rushikulya division		Division office Establishment																	
			1	Clerk				60	1	Clerk				60							
			1	Do				40	1	Do				40							
			1	Do				30	1	Do				30							
			1	Do				20	1	Do				20							
			1	Do				20	1	Do				20							
									+	~~Do for Estates~~				~~15~~			~~7~~	~~15~~			See Extract from the Rushikulya Division officer's letter No 769 of the 2nd July/86.
									+	~~Cashier~~				~~30~~			~~7~~	~~30~~			
			1	Draftsman				80	1	Draftsman				80							
			1	Do				50	1	Do				50							
			1	Storekeeper				25	1	Storekeeper				25							
			1	Messenger				7	1	Messenger				7							
			2	Do each at Rs 6				12	2	Do each at Rs 6				12							
			3	Lascars each at Rs 6				18	3	Lascars each at Rs 6				18							
			14					362	14 ~~16~~					362 ~~407~~				~~45~~			

Dowlaishweram,
August 1886.

JK

Superintending Engineer 1st. Circle.

ENCLOSURE
6 SEP 86
EXAMINER P.W. ACCOUNTS

.L

3
6989/86
7040

No. 423 G.N.

FROM,

THE SUPERINTENDING ENGINEER
FIRST CIRCLE.

TO,

THE Chief Engineer
P. W. Department

Encl 2
1 Statement
1 Extract
2

Dowlaishweram, 23rd Augt 1886.
Despd 28-8-86.

SIR,

I have the honor to submit for sanction the accompanying proposition statement for the revision of Office Establishment in the Rushikulya Division.

2. An extract from the Division Officer's letter No 769 dated the 2nd July 1886 explaining the necessity for the increase of the establishment entered in the statement is enclosed.

3. The statement includes an increase of office establishment for a new Sub Division - a 3rd one. This Sub Division has not yet been sanctioned by Government but now I recommend for sanction with reference to G.O No 1617 W. dated the 25th June 1886 the formation of a new Sub Dn to be called Surada Sub Division on account of several important Irrigation works× connected with the Project being carried out at or near that place. An Assistant

× Surada reservoir dam
— Do — Supply channel &c
Head works at Jana
Imilli &c.

Engineer S. Venkataramaniah Pantulu has been posted to the place.

4. In case you are not disposed to sanction a new Sub Division I trust you will be good enough to sanction for the Assistant Engineer a clerk on Rs 20 and a lascar on Rs 6 per mensem.

I have the honor to be,
Sir
your most obedient St.

Supt. Engr. 1st Circle.

JK

R No 368
6-9-86

EXAMINER
No.
6 SEP 1886
ENCLOSURES
P. W. ACCOUNTS

Inclo 2
No 3004 C of 4th September 1886

To 6

For favor of remarks and check as regards present scale.

D H
3/9/86
D.H.

From
Misc 6739
1840/86

The Supg Engineer
1st Circle

To

The Chief Engineer
P.W. Depart

Dated 23
Despd 28 } August/86
Recd 2/9

No 423. G.N.

Enclosures (two)

Proposition Statement for revision of Office Establishment in Rushikulya Dn — Submits for Sanction a —

with Endorsement

KEEP-WITH Genl. No.

dated 188

[C. No. 8.]

GOVT. OF MADRAS. } 1886. { P. W. DEPT.

EXAMINER, P. W. ACCOUNTS.

Madras, 9th September 1886.

OFFICE NOTE No. 410.

To Ex. 3

W.

Your O. N. No. 3004 C. dated 4th. September 1886.

Entries in column "Present Scale" of the proposition statement have been checked and found correct.

2. It is for Govt. to decide whether the additional Sub Division and Sub Divisional Establishment as also the additional clerk for each Sub Division should be sanctioned.

C.

9/9

AWC
7/9

1617 w 25. 6. 86.
2095 C. 8. 6. 86.
778 w 23.3. 86.
1121 w 5.5.84
3420 w 30.11.83
923 w 18.4.85

P.W.C. No 7040

Recd: 10.9.86

Enclos: 3

2393 W

B

Genl Estabt

No. 2393 W PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

21st September/86.

READ the following

Draft revised Statement

From the Supg Engineer I Circle H.E. No. 423 G. N. dated 23d August 1886.

Office note from the Examiner of P. W. Acct H.E. No. 410 dated 9th September 1886

The Executive Engineer brings to notice that the work in the Rushikulya division has become so heavy that the accounts, &a are getting ~~hopelessly~~ into arrears; but as the statements made by him and by the Superintending Engineer are in general terms only, the Government are not in a position to determine whether the circumstances of the Rushikulya Division are so peculiar as to require such a large extra establishment as that now applied for.

2. In existing financial circumstances, the Government are not prepared to sanction more than one extra clerk on

Rs

Rs 20 and a lascar on Rs 6 per mensem as proposed in the latter part of the Superintending Engineer's letter. The statement submitted by the Supdg Engineer has been revised accordingly and sanction is granted to the reduced amount.

3. Should it be found hereafter, that, with the additional establishment now sanctioned, it is impossible to keep the work of the Division current, a detailed report on the subject should be submitted accompanied by proposals for the necessary remedial measures.

4. The sanction accorded in para 2 has been registered as Provincial No. 4 W of 1886-87, and classified as Establishment, Temporary.

18/9/86

20/9/86

H.B.

B 21/9

To

The Supg: Engineer I Circle

" Examiner of P.W. Accts.

29/9

No. 3480 C a/ 8th October

No. ~~734~~

7958/86

7040

Govt. of [1886] Madras.

PUBLIC WORKS.

Dated

Recd. Encl.

G.O., 21st Sept. 1886, No. 2393 W.

Temporary Estabt

Sanctioning, with remarks, an ~~Estab~~ additional of a clerk & a lascar for the Rushikulya Divn

40/4

22/9

C-D-5-(7983) R0047) R2) PW-038