(1) பக்கங்களின் எண்ணிக்கை 102

(2) புதுக்கித் திருப்பிய நாள் 23-9-88

(3) ஆதாரங்குறிப்பவர் சுருக்கொப்பம்

தமிழ்நாடு ஆவணக் காப்பகம்.

தமிழ்நாடு அரசு

பொதுப்பணி துறை

அரசாணை எண்.
மு. கோப்புத் தாள் எண். 2787

அச்சகம்
பலவகை

நாள் : 7 – 11 – 1884 ~~19~~ .

கண்டபடி கையாளவோ கூடாது

51

சேது

18,006—15-6-87.

7th November 1884, No. 2787 W., Public Works.

2787
1

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.
Account.

Read—the following papers :—

From the General Superintendent, Public Works Stores,		dated 5th Aug. 1884,	No. 571 S.
Telegram from the Superintending Engineer,	IV Circle,	„ 11th „ „	„ ——
„ „ „	VI „	„ 11th „ „	„ ——
„ „ „	IV „	„ 11th „ „	No. 292 C. / E.W.
Letter „ „ „	III „	„ 12th „ „	„ ——
Telegram „ „ „	V „	„ 13th „ „	„ 1828.
Letter „ „ „	I „	„ 19th „ „	„ ——
Telegram „ „ „	V „	„ 21st „ „	„ 935 A.
From the Government of Bombay,		„ 22nd „ „	„ 1966.
„ Superintending Engineer,	VI Circle,	„ 11th Sept., 1884,	„ 754 S.
„ General Superintendent, Public Works Stores,		„ 14th „ „	„ 3326 A.
„ Government of Bengal,		„ 15th „ „	„ 294 T.C.
„ Superintending Engineer,	II „	„ 16th „ „	„ ——
Telegram from „ „	III „	„ 16th „ „	„ ——
From the General Superintendent, Public Works Stores,		„ 16th „ „	„ 770 S.

Order—dated 7th November 1884, No. 2787 W., Public Works.

3/

In drawing attention to certain provisions of the Famine Code for the Madras Presidency, the Chief Engineer, in paragraph 8 of his memorandum, No. 2453 C., dated 8th December 1881, pointed out the necessity for making preliminary arrangements for the provision of an ample supply of tools, and instructed Superintending Engineers to indent on the General Superintendent, Public Works Stores, for the balance of probable requirements, after ascertaining the quantities of each kind in stock in the several divisions.

2. The papers above recorded show the numbers of the various descriptions of famine tools which are in stock in Public Works Circles, and the demands for new tools submitted by Superintending Engineers. The figures have been tabulated in the statement printed with these Proceedings as Appendix A.

3. The Government, having reviewed the demands, and compared them with the supplies now available in store for use on emergency, have determined to eliminate, from the indents, articles which it is considered unnecessary to keep permanently in stock, and of which it is believed a sufficiency can be readily and rapidly procured in local or adjacent markets, when occasion arises. In view also of the fact that the spare tools available in one circle can be quickly transferred to another where the demand happens to be in excess of the supply in hand, the Government have resolved to reduce the quantities indented for, so as to provide sufficiently for emergent relief works, and to avoid encumbering the stores of the Presidency with stocks for which requisitions must be exceptional. The quantities and descriptions of tools to be now supplied are shown in Appendix B, and the General Superintendent, Public Works Workshops and Stores, will at once put in hand the manufacture of such of the articles as can be made up satisfactorily and cheaply at the workshops, and will frame a special indent on the Home Government for the remainder.

4. The tools, when supplied, will be kept in the Presidency Public Works Stores, being distributed nominally against the several circles. Superintending Engineers will be apprised, in due course, of the numbers standing against their respective circles; and it will be their duty, at the commencement of each financial year, to examine carefully the lists of relief tools at their disposal, and to bring to notice any deficiencies, whether in number, description, or quality, which, in view of possible contingencies, they consider should be made good.

(True Extract.)

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

To Superintending Engineers.
To the Chief Engineer for Irrigation.
„ Examiner, Public Works Accounts.
„ Revenue Department.

Exd. A. Grubert.
Spare Copies

2787/2.

√

GENERAL.
ACCOUNT.

Govt. of {1884} Madras.

PUBLIC WORKS.

Dated November, 7th.

Recd. *Encl.*

G.O., 7th Nov. 1884, No. 2787 W.

NOVEMBER.

Famine Tools

Orders on correspondence showing the descriptions of — in stock in Public Works circles and the demands for new tools.

Appendix A to G.O., No. 2787 W., of 7th November 1884.

DETAILED STATEMENT of Famine Tools showing quantities in stock and demands made by Superintending Engineers.

Description of Articles.	I Circle.			II Circle.			III Circle.			IV Circle.			V Circle.			VI Circle.			Grand Total.
	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	
Axes, felling, 6 lb.	150	..	150	750	..	750	2,000	..	2,000	2,119	281	2,400	600	..	600	..	..	..	
Do. country	..	..	..	286	14	300	5,000	..	5,000	798	271	1,069	..	..	..	550	..	550	
Do. pick, 5 lb.	..	186	186	1,315	185	1,500	12,000	118,000	130,000	..	66,046	66,046	2,828	1,172	4,000	4,513	6,400	10,913	
Bars, tamping, brass, 5′-11″ hole.	..	..	..	..	..	..	2,000	..	2,000	932	28	960	..	..	..	..	..	..	
Basket, wicker	..	..	..	..	..	..	..	..	..	44,736	..	44,736	..	..	..	..	..	..	
Bill-hooks, 2½ lb.	..	..	..	300	..	300	4,000	1,000	5,000	2,461	238	2,699	340	..	340	550	..	550	
Chest, cash, W.I., large, 4′ × 3′ × 2½′	..	..	30	27	3	30	100	..	100	61	35	96	16	..	16	11	..	66	
Chest, cash, W.I., small	30															55	..		
Crowbars, 14 lb.	3,000	658	3,658	..	3,302	3,302	4,000	18,000	22,000	5,684	25,795	31,479	4,200	700	4,900	..	1,500	2,750	
Do. 16 lb.	..															1,250			
Hammers, sledge, 10 lb.	..	..	..	..	..	..	2,000	..	2,000	3,046	325	3,371	..	..	..	..	..	550	
Do. do. 8 lb.	..															550	..		
Do. hand, 2 lb.	..	225	225	..	..	..	12,000	85,000	97,000	18,550	28,928	47,478	..	2,297	2,297	..	3,500	3,500	
Do. stone-breaking, 3 lb.	..	..	..	954	2,046	3,000	5,000	..	5,000	..	23,369	23,369	194	..	194	..	..	2,000	
Do. do. 2 lb.	..															2,000	..		
Jumpers, steel, 6′-1″ hole	..	..	..	..	..	..	1,500	2,000	3,500	587	1,113	1,700	200	..	200	..	..	..	
Knives, country, for prickly-pear.	..	..	..	597	..	597	2,000	..	2,000	1,920	..	1,920	1,000	..	1,000	..	..	..	
Do. do. for grass	..	..	..	..	..	..	1,000	..	1,000	4,800	..	4,800	..	..	..	..	..	..	
Mamooties, 5 lb.	..	377	9,377	2,522	3,508	6,030	400	119,000	120,200	..	65,139	72,144	..	8,582	17,961	..	7,000	16,487	
Do. 6 lb.	4,500			..			400			3,502			4,689			4,744			
Do. 7 lb.	4,500			..			400			3,503			4,690			4,743			
Measures, tin, for issuing food	..	..	..	..	..	..	..	..	..	384	..	384	..	..	..	..	..	..	
Do. do. one seer	..	..	..	..	..	..	100	..	100	96	..	96	50	..	50	..	..	..	
Do. do. half seer	..	..	..	..	..	..	100	..	100	96	..	96	50	..	50	..	..	..	
Do. do. quarter seer	..	..	..	..	..	..	100	..	100	96	..	96	50	..	50	..	..	..	
Needles, pruning, copper, 5 feet.	..	..	..	..	..	..	1,000	..	1,000	960	..	960	..	..	..	..	..	..	
Picks, 5 lb.	..	..	..	..	..	..	7,000	..	7,000	4,153	675	4,828	..	..	..	..	..	..	
Rods, measuring, teak, 10 feet.	..	..	..	..	..	..	1,500	..	1,500	573	3	576	50	..	50	110	..	110	
Rammers, cast-iron, 14 lb.	..	436	436	1,200	..	1,200	5,000	..	5,000	1,201	2,750	3,951	1,447	173	1,620	1,650	..	1,650	
Scales with chains and platform, 5 cwt.	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Scales to weigh Rs. 500 with weights	..	..	..	..	..	..	..	..	..	96	..	96	..	..	..	..	..	..	

2787/3

Detailed Statement of Famine Tools showing quantities in stock and demands made by Superintending Engineers—*cont.*

Description of Articles.	I Circle.			II Circle.			III Circle.			IV Circle.			V Circle.			VI Circle.			Grand Total.
	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	Number Indented for.	Number in Stock.	Total.	
Wedges, iron, 5 lb.	..	..	..	..	..	..	500	..	2,000	239	2	860	..	..	..	137	..	550	
Do. do. 6 lb.	..						500	..		240			..	..	..	138	..		
Do. do. 8 lb.	..						500	..		239			..	..	..	137	..		
Do. do. 10 lb.	..						500	..		140			..	..	..	138	..		
Weights, cast-iron, 56 lb. ..	300	..	300	..	..	..	500	..	500	1,920	..	1,920	130	..	130	..	..	..	
Do. do. 28 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 14 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 7 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 4 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 3 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 2 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. 1 lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. ½ lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Do. do. ¼ lb. ..	30	..	30	..	..	..	50	..	50	192	..	192	13	..	13	..	..	..	
Mortar pans, 15″ × 5″ ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Ring gauges..	..	..	..	..	..	..	..	..	..	..	33	33	..	..	..	..	..	..	
Instruments.																			
Chains, iron, galvanized, measuring 100 feet	..	..	..	10	20	30	100	..	100	192	3	195	54	..	54	88	..	88	
Levels, Abneys, pocket ..	..	..	..	..	..	..	36	..	36	96	..	96	..	..	..	..	..	..	
Levelling instrument, dumpys, 14″	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	22	..	22	
Do. do. 12″	..	..	..	4	..	4	36	..	36	96	..	96	8	..	8	..	..	..	
Mathematical instruments, fish-skin case, small	..	..	..	..	..	..	80	..	80	96	..	96	..	..	..	..	..	..	
Mathematical instruments box, third class..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	11	..	11	
Prismatic compass with stand..	..	..	..	..	..	..	36	..	36	96	..	96	6	..	6	22	..	22	
Staves, levelling, telescopic ..	..	..	..	4	..	4	36	..	36	192	..	192	8	..	8	22	..	22	
Tapes, metallic, measuring 100 feet	..	..	..	..	..	..	100	..	100	288	..	288	126	..	126	22	..	22	
Tapes, metallic, measuring 50 feet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	55	..	55	

2787
4

Appendix B to G.O., No. 2787 W., dated 7th November 1884.

List of Famine Tools to be supplied.

—	I Circle.	II Circle.	III Circle.	IV Circle.	V Circle.	VI Circle.	Total.
Axes, felling, 6 lb.	500	500	1,000	1,000	500	500	4,000
Bill-hooks, 2½ lb.	500	500	1,000	1,000	500	500	4,000
Crowbars, 14 lb.	1,500	..	..	..	1,500	1,500	4,500
Hammers, stone-breaking, 3 lb. ..	1,000	1,000	..	..	..	1,000	3,000
Mamooties, 6 lb.	5,000	5,000	..	..	5,000	5,000	20,000
Picks, 5 lb.	1,500	1,500	..	..	1,500	1,500	6,000
Rammers, cast-iron, 14 lb.	500	1,000	3,000	1,000	1,000	1,000	7,500

4

PUBLIC WORKS STORE DEPARTMENT,
Madras, 5th August 1884.

No. 571 S.

2787/5

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

To

THE Chief Engineer
P. W.

Enclosures

[illegible]
6.8.84

SIR,

In anticipation of Indents for Famine Tools from Superintending Engineers I have the honor to request Sanction for at once putting in hand the undermentioned articles which are essentially necessary for Famine Relief Works.

1000. Wheel barrows
10,000 – C. I. Road beaters – 14 Lbs
1,000 – C. I. Rammers – 7 Lbs
1,000 – C. I. ——— Do 10 "
1,000 – C. I. ——— Do 12 "
10,000 – Stone breaking Hammers 2 Lbs
20,000 – ——— Do ——— 3 "
20,000 – ——— Do ——— 4 "
30,000 – Crow bars 14 and 16 Lbs
100 – Iron Cash Chests 15" × 12" × 12"
50 – Beam Scales to weigh up to 5 Cwt.

The Mamooties, Pick Axes and Steel Jumpers will have to be obtained from

from England.

I have the honour to be,
Sir,
Your most Obedient Servt

M. C. Baddeley, Captain R.E.

General Supt. P. W. Stores

No 2453 Ex of 8. 12. 83.

S.a.u.

From a d/o received from Ex I understand that this question will be disposed of to-day. This may therefore be sent back in [illegible]

C.S.
6-8-84

Public Works Store Departmen

From

THE GENERAL SUPERINTENDENT,
P. W. STORES, &c.,
MADR

To

The Chief Engineer
P. W.

No. 571 S.

Dated 5th
Despd. 5th August 188
Recd.

NO. OF ENCLOSURES.

Requests San
for at once putting on h
~~the~~ within mentioned Arti
which are essentially nec
for Famine Relief Works.

Dr
For orders
C.S.
5/8/84

O.L.S: 157/8

O. 28. 8. 84.

INDIAN TELEGRAPH

Local No. 0246C

Class. DS

To (Station) Madras

From (Station) Calicut

OFFICIAL INSTRUCTIONS.

Words.	Day.	Hour.	Minute.
23	11	14	45

To (Person) Madras Works
Chepauk

From (Person) Supdtg Engr
Fourth Circle

Your telegram of 3787/7 ninth am sending you this day statement of famine tools in hand

RECD. FROM L. N.
AT Hrs. Mts., BY

SENT TO L. N.
AT Hrs. Mts., BY

Telegr

Date

MADRAS 11-8-84

Kg

Div

Coimbe

Salem

North

Sup

Com

ress (including name of sender, and name and residence of addressee) is transmitted free.

	First 8 words.	Each additional word.	
rred Message ...	... 8 Annas	... 1 Anna	A group of 3 or less figures, is reckoned as one word.
nary " ...	... 1 Rupee	... 2 Annas	
ent " ...	... 2 Rupees	... 4 Annas	

harge for delivery within a distance of 5 miles.

(1)

Weth. Oke 67 21

INDIAN TELEGRAPH

Local No. 289

Class: D

To (Station): Ootacamund

From (Station): Trichinopoly Junction

Words	Day	Hour	Minute
21	16	11	17

To (Person): Madras Works

From (Person): Superintending Engineer

Available in Madura district 7000 mamuties 1500 crowbars 6400 picks 3500 hammers

2787/8

8

J. Murphy

OOTACAMUND 11-8

Telegraph Master

Statement shewing ... of the Fourth Circle ... 9th August 1884

Divisions

Coimbatore Division

Salem — Do

North Arcot — Do

Total 271 281 66046 28 238 35 3 25795 28928 325 23360 1113 66139 675750 3 2 33

2787/9

Remarks

L. Beatty — Colonel R.E.
Superintending Engineer IV Circle

Superintending Engineer's Office 4th Circle
Camp Calicut 11th August 1884

9

CHARGE FOR INLAND TELEGRAMS

...dress (including name of sender, and name and residence of addresses) is transmitted free.

		First 8 words.	Each additional word.	
...rred Message	... ...	8 Annas	... ... 1 Anna.	A group of 5, or less figures, is reckoned as one word.
...nary	„	1 Rupee	... ... 2 Annas.	
...nt	„	2 Rupees	... ... 4 Annas.	

...harge for delivery within a distance of 5 miles.

(1)

Wk. C. No. 6721

INDIAN TELEGRAPH

Local No. 289

Class D

To (Station) Ootacamund

From (Station) Trichinopoly junction

Words.	Day.	Hour.	Minute.
21	16	11	17

OFFICIAL INSTRUCTIONS

To (Person) Madras Works

From (Person) Superintending Engineer

Available in Madura district 7000 mamuties crowbars 6400 1500 picks 3500 hammers

2787/8

8

J. Murphy

RECD. FROM L. N.
At Hrs. Mts., By

SENT TO L. N.
At Hrs. Mts., By

Date OOTACAMUND 11-8

Telegraph Master

Statement of the Fou...
9th August

Divisions

Coimbatore Di...
Salem —
North Arcot —

Superintending
Camp Coimbatore

Cash Issued -

L.S. 12-8-84

Send to Madras.

Recd 15-8-84

12 AUG 84

Should not this have been addressed to Madras

Compile

It should have been addressed to Madras

old 157/84

Off. 50/84

Resubmitted to G. 28-8-84

No. 292 C / C.W.

II Circle D. P. W.

Statement shewing the quantities of Famine Tools now in Store in each of the Divisions of the Fourth Circle; prepared with reference to Chief Engineer's Telegram, dated 9th August 1884.

Divisions	Axes country	Do. Felling	Do. Pick	Barstamping braces	Bill hooks	Cash chest	Chains	Crow bars	Hammers hand	do. Sledge	do. Stone breaking	Jumpers	Mamooties	Picks 5 lbs	Rammers	Rod measuring	wedges 5 lbs 10 lbs	Ring shapes	Remarks
Coimbatore Division	162	38	10,320	„	10	„	„	418	23,255	20	6,820	50	8,733	647	2,096	„	„	33	
Salem Do.	„	243	14,979	28	25	35	„	1578	„	294	16,549	131	23,239	„	654	3	2	„	
North Arcot Do.	109	„	40,747	„	203	„	3	23,799	5,673	11	„	932	33,167	28	„	„	„	„	
Total	271	281	66,046	28	238	35	3	25,795	28,928	325	23,369	1,113	65,139	675	2,750	3	2	33	

9

2787

9

Superintending Engineer's Office 4th Circle
Camp Calicut 11th August 1884

F. Beatty - Colonel R.E.
Superintending Engineer IV Circle.

2787
10

[illegible] C No 6724

From

The Supg. Engineer
4th Circle

(1)

Dated 11th
Recd. } August 1884

2787

No 292 C / P.W.

Enclosure Nil.
With C No 6677

10

Statement showing the quantity of Famine tools now in store in each of the Divisions of the Fourth Circle, prepared with reference to Chief Engineer's telegram dated 9th August 1884.

Vide C No 6707-18-8-84

Complied

D.S.

Class. INDIAN TELEGRAPH. Local No. 02683

To (Station) Madras				From (Station) Bellary	
Words. 31	Day. 12	Hour. 13	Minute. 40	Official Instructions.	
To (Person) Madras Works				From (Person) Supdg Engr	

One hundred eighteen thousand axes one thousand bill hooks eighteen thousand crowbars eighty five thousand hammers two thousand jumpers one hundred nineteen thousand mamoties are available -

2787
11

11

S. P. No. 4001.—G. T. Press.—No. 8'5.—18-12-83.—[illegible]

Recd. from	At Hrs.	L. N. Mts. By	Sent to	At Hrs.	L. N. Mts. By

Date MADRAS 12-8-84 Telegraph Master.

RATES OF CHARGE FOR INLAND TELEGRAMS.

The address (including name of sender, and name and residence of addressee) is transmitted free.

	First 6 words.	Each additional word.	
Deferred Message	8 Annas	1 Anna.	A group of 5, or less figures, is reckoned as one word.
Ordinary	1 Rupee	2 Annas.	
Urgent	2 Rupees	4 Annas.	

No charge for delivery within a distance of 5 miles.

(1)

Ch. 67 ... 11/8/84

Campbell

Old 15/18

Campbell Cd.

Land Famine Tools transferred from the Revenue Deptt. in Chingleput and South Arcot. Total

Axes Pick	800	172	972
Crow Bars	494	6	500
Stonebreaking Hammers	506	1791	2297
Momaties	6761	621	7382
Rammers cast iron	24	39	63.

Information has not been given from the Presidency and Buckingham Canal Divisions.

Coll. R.E.
Superintg. Engr.
5th Circle

13th August 1884.

2787
12

No. 1399 D.

GOVT. OF MADRAS. } 188 . { P. W. DEPT.

SECRETARY.

Chepâk, 9th August 1884.

OFFICE NOTE.

2787

From

Under Secy to Govt. P.W.D.

To

The Supg: Engr V Circle -

Please report what tools are available in your Circle for relief works should such become necessary

Dy Wks
~~Compt~~

No. 1828

Therefore [illegible] Land

Class. RS

INDIAN TELEGRAPH.

Local No. 04052

To (Station) Madras

From (Station) Rajahmundry

Words. 28/15 Day. 19 Hour. 10 Minute. hs

OFFICIAL INSTRUCTIONS.

To (Person) Madras Works

From (Person) Supg Engineer 1st Circle

Your telegram eighth August tools available in this Circle are rammers 436 mamoties 377 pickaxes 186 crowbars 658 hand hammers 225

2787/13

13

S. P. No 4001,—G. T. Press,—No. 875,—18-12-83,—100000.

RECD. FROM Hrs. L. N. Mts., By

SENT TO At Hrs. L. N. Mts., By

MADRAS 19-8-84

Telegraph Master.

RATES OF CHARGE FOR INLAND TELEGRAMS.

The address (including name of sender, and name and residence of addressee) is transmitted free.

	First 8 words.	Each additional word.	
Deferred Message	8 Annas	1 Anna.	A group of 3, or less figures, is reckoned as one word.
Ordinary "	1 Rupee	2 Annas.	
Urgent "	2 Rupees	4 Annas.	

No charge for delivery within a distance of 5 miles.

(1/.

Od 157/8

10.28.8.86.

2787/14

14

List of Tools obtainable in the Bombay Market.

278/15

Name of article	Each weighing about lbs	Probable number obtainable	Approximate Rate	Per	Remarks,
Hoes steel faced	3 lbs	12,000	6 8 -	Doz	
Do Do	3½ -		7 8 -	-	
Do Do	4 -		8 8 -	-	
Do without steel	3 -	6,000	4 12 -	-	
Do Do	3½ -		5 - -	-	
Do Do	4 -		5 8 -	-	
Pick axes steel edged	5½ -	12,000	6 8 -	-	
Do Do	6 -		7 - -	-	
Do Do	6½ -		7 8 -	-	
Do Do	7 -		8 - -	-	
Crowbars steel from 5½ to 6' d: 1" to 1½	14 to 26		10 - -	Cwt	Could be made at the rate of about 300 a day
Stone breaking hammers steel faced (English made)	2 to 3	6000	16 - -	Cwt	
Do Do Iron (country made)	2 to 3	1000	8 - -	Cwt	

15

Executive Engineer, Presidency.

2787/10

No. 935 A of 1884

Public Works Department

Bombay Castle, 21st August 188

To,

The Secretary to the Govt. of Madras.

Public Works Department.

Sir,

With reference to your letter No. 1395 C., dated 9th August 1884, I am directed to inform you that the Superintending Engineer, Northern Division, to whom your letter was referred, reports that the articles mentioned in your letter are not available for transfer from Stock at the Presidency Town; they can, however, be always procured in the Bombay market at the rates shown in the accompanying list which gives information also as to weights and probable number obtainable.

I have the honor to be

Sir

Your most obedient servant.

10

Walter Hughes CE

Under Secretary to Govt.

Accompaniment to this letter:-

(1) List of Tools.

B. No 1659 W dt 2. 7. 84
No 1341 D. " 11. 8. 84
" 1395 C. " 9. 8. 84

(1)

The Secretary to the Govt of Madras,
Public Works Department

Sir,

With reference to your letter 1395 C. dated 9th August 1884, I am directed to inform you that the [illegible] Superintending Engineer [illegible] Division [illegible] the tools mentioned [illegible] also as to [illegible]

I have the honor to be,
Sir,
Your most obedient servant

My letter might be completed with the replies from Engineers regarding famine tools available in their Circles. A reply from [illegible] has not yet been re[illegible] and [illegible]

CJ
26/8

Yes — the compilation should not be hastened. No reply as yet from Hayat I believe.
CJ
26-8-84

+ No reply
CJ
30/8/84

Obt. 157/8

No. 1966

SUPERINTENDING ENGINEER'S OFFICE,
5TH CIRCLE, MADRAS,
Chepauk, 22 Aug 1884.

2787/17

From
THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To
THE Chief Engineer
P. W. D.

Enclosures.

SIR,

In continuation of my Office Note No 1828, dated 13th Instant, I have the honor to inform you that there are the following Famine tools in the Presidency Division.

17

Pick Axes	200
Momaties	1200
Crowbars	200
Rammers iron	60
— Do — wooden	50

2. There are no Famine tools in the Buckingham Canal

Canal Division -
Indents have now been received from the Executive Engineers in the Circle, and a general indent is about to be sent to the P W Stores

I have the honor to be
Sir
Your Most Obedt Servt
[illegible] Col. R.E.
Superintg Engineer
5th Circle

From

THE SUPERINTENDING ENGINEER,
5TH CIRCLE,

To

THE Chief Engineer
P.W.D.

(9)

Dated 22d } August 1884.
Recd. }

ENCLOSURES.

No. 1966

Famine Tools —

Informs that there certain — in the Presidency Division and states that a General Indent will shortly be sent to the P. W. Stores.

Complied

O.L.d 15/7/8

D. 28.8.84

11

O. 28.8.84.

Abstract List of Tools and Plant required by Superintending Engineers to be held available for Famine Relief Works.

2787/19

Description	Number	Rate	Amount	Remarks
Axes Felling 6 lbs	3619	2 12 .	9952 4 .	
" Country	1634	3 3 .	5208 6 .	
" Pick 5 lbs	8656	" 12 .	6492 . .	
Bars, tamping, brass 5'-1" hole	932	5 4 "	4893 " .	
Basket Wicker	44736	" . 6	1398 . .	
Bill Hooks 2½ lbs	3651	1 . .	3651 " .	
Chest Cash W. I. large 4'×3'×2½'	11	300 " .	3300 " .	
" " Small	189	100 " .	18900 " .	
Crowbars 14 lbs	12884	1 4 .	16105 " .	
" 16 lbs	1250	1 5 "	1640 10 .	
Hammers, Sledge 10 lbs	3046	1 11 .	5140 2 .	
" " 8 lbs	550	1 7 .	790 10 .	
" Hand 2 lbs	18550	" 13 .	15071 14 .	
" Stone breaking 3 lbs	1148	1 " .	1148 " .	
" " 2 lbs	2000	" 11 .	1375 " .	
Jumpers, Steel 6'-1" hole	787	5 12 .	4525 4 .	
Knives, country for Prickly pear	3517	" 12 .	2637 12 .	
" " for Grass	4800	" 8 .	2400 " .	
Mamooties 5 lbs	2522	1 " .	2522 . .	
" 6 lbs	17435	1 2 .	19614 6 .	
" 7 lbs	17436	1 4 .	21795 " .	
Measures Tin for issuing food	384	" 4 .	96 " .	Size not known
			148656 4 .	

19

Description	Number	Rate	Amount	Remarks
			14,8656 4 -	
Measures Tin one seer	146	. 3 .	27 6 -	
— " — " — Half seer	146	. 2 6	22 13 -	
— " — " — quarter seer	146	. 2 .	18 4 -	
Needles, priming Copper 5 feet	960	2 . .	1920 " .	
Picks 5 lb	4153	1 . .	4153 . .	
Rods, measuring, 10 feet Teak	733	2 8 .	1832 8 -	
Hammers Cast Iron 14 lb	5498	1 2 .	6185 4 -	For road and earth work.
Scales with chains & platform 5 cwt	235	145 " .	34075 . .	
— " — to weigh Rs 500/- with weight	96	70 . .	6720 . .	
Wedges Iron 5 lb	377	. 15 .	353 7 -	
— " — " — 6 lb	377	1 2 -	424 2 -	
— " — " — 8 lb	377	1 8 .	565 8 -	
— " — " — 10 lb	377	1 14 .	706 14 -	
Weights Cast Iron 56 lb	2350	4 11 .	11015 10 -	
— " — " — " — 28 lb	235	2 2 .	499 6 -	
— " — " — " — 14 lb	235	1 4 .	293 12 -	
— " — " — " — 7 lb	235	1 . .	235 . .	
— " — " — " — 4 lb	235	. 15 .	220 5 -	
— " — " — " — 3 lb	235	. 15 .	220 5 -	
— " — " — " — 2 lb	235	. 11 .	161 9 -	
— " — " — " — 1 lb	235	. 9 .	132 3 -	
— " — " — " — ½ lb	235	. 6 -	88 2 -	
— " — " — " — ¼ lb	235	. 5 -	73 7 -	For cleaning rice
Mortar pans 15" × 5"				
			218600 1 -	

Description	Number	Rate	Amount	Remarks
Instruments				2787 / J.O.
Chains I. Galvd. measg: 100 feet	344	5 " .	1720 " .	
Levels Abney's Pocket	96	21 4 .	2040 " .	
Levelling Instrument Dumpy 14"	22	154 10 -	3401 12 -	
— " — " — 12"	108	134 1 "	14478 12 -	
Mathl. Insts. Fish skin case small	96	3 " .	288 " .	
— " — Box third class	11	10 8 .	115 8 -	
Prismatic Compass with stand	124	63 . .	7812 . .	
Staves Levelling Telescopic	226	22 . .	4972 . .	
Tapes Metallic measuring 100 feet	436	5 . .	2180 " .	
— " — " — 50 feet	55	3 2 -	171 14 -	
			37179 14 -	

Abstract

Tools, excluding value of Mortar pans	2,18600 1 -	
Instruments	37179 14 -	J.O.
Say Rupees	2,55,780 " .	

P. W. Stores

Madras 11th September 1884

W. C. Baddeley, Capt. R.E.

Genl. Supt. P. W. Stores

N.B. This statement is exclusive of the Tools kept in Stock in the different Circles

2787
21

Detailed Statement of Tools and Plant required by Superintending Engineers to be held available for Famine Relief Works.

Description of Articles	First Circle						Second Circle				Third Circle							Fourth Circle					Fifth Circle				Sixth Circle						Total	Remarks
	Ganjam	Vizagapatam	Eastern Godavari	Central Godavari	Western Godavari	W. Project	Eastern Kistna	Gundlacama	Western Kistna	Nellore	Sangam Project	Bellary	Cuddapah	[illegible]	[illegible] Canal	[illegible] Project	Nilgiris	Coimbatore	Salem	Barur Project	North Arcot	[illegible] Project	South Arcot	Chingleput	Buckingham Canal	Presidency & Bangalore	Trichinopoly	Tanjore	Cauvery & Vennar [illegible]	Negapatam	Madura	Tinnevelly		
Axes Felling 6 lb			150				260			500								1037	1082							600							3619	
— country							86			200								260	530								150				300	100	1634	
— Pick 5 lb							336			979																2828	260					1913	~~8656~~ 20456	
Bars, tamping, brass 6'-1" hole																		430	502														~~932~~ 2032	
Basket Wicker																		20028	24698														44736	
Bill Hooks 2½ lb							100			200								1108	1353							340	150				300	100	~~3651~~ 7651	
Cart Coach W. I. large 6'×3'×2½'																											3				6	2	11	
— small			30				7			20								43	18							16	15				30	10	~~189~~ 289	
Crowbars 14 lb			3,000															3022	2662							4200							~~12884~~ 16884	
— 16 lb																											750					500	1250	
Hammers sledge 10 lb																		1485	1561														~~3046~~ 5046	2787
— 9 lb																											150				300	100	550	
— Hand 2 lb																			18550														~~18550~~ 30550	22
— Stone breaking 3 lb							924			30																194							~~1148~~ 6148	
— 2 lb																											100					1000	2000	
Jumpers Steel 6'-1" hole																		294	298							200							~~787~~ 2287	
Knives country for Prickly pear							197			400								860	1060							1000							~~3517~~ 5517	
— for Grass																		2150	2650														~~4800~~ [illegible]	
Mamoties 5 lb										2522																							~~2522~~ [illegible]	
— 6 lb			4500															3502								4689	2250				1000	1494	~~17435~~ 17835	
— 7 lb			4500															3503								4690	2250				1000	1493	~~17436~~ 17836	
Measures Tin for issuing food																		172	212														384	
— One seer																		43	53							50							146	
— Half seer																		43	53							50							146	
— Quarter seer																		43	53							50							146	
Needles priming copper 5 feet																		430	530														960	22
Picks 5 lb																		1503	2650														~~4153~~ [illegible]	
Rods measuring Teak 10 feet							400			500								258	315							50	30				60	20	~~733~~ [illegible]	
Rammers Cast Iron 14 lb																			1201							1647	450				900	300	~~4498~~ 10498	
Scales with chains & platform 5 cwt			30															86	106							13							~~205~~ 235	
— to weigh Rs 500 with weights																		43	53														96	
Wedges Iron 5 lb																		107	132								37				75	25	376	
— 6 lb																		108	132								38				75	25	378	
— 8 lb																		107	132								37				75	25	376	
— 10 lb																		108	132								38				75	25	378	

Detailed Statement of Tools and Plant required by Superintending Engineers to be held available for Famine Relief Works.

Description of Articles	First Circle						Second Circle					Third Circle					Fourth Circle					Fifth Circle				Sixth Circle						Total	Remarks
	Ganjam	Vizagapatam	Eastern Godavari	Central Godavari	Western Godavari	[illegible] Project	Eastern Kistna	Gundlacama	Western Kistna	Nellore	Sangam Project	Bellary	Cuddapah	Kurnool Canal	C. Project	[illegible]	Coimbatore	Salem	Barur Project	North Arcot	B. Project	South Arcot	Chingleput	Buckingham Canal	Presidency & Bangalore	Trichinopoly	Tanjore	Cauvery & Vennar Systems	Negapatam	Madura	Tinnevelly	Total	Remarks
Weights Cast Iron 56 lb.	"	"	300	"	"	"	"	"	"	"	"	"	"	"	"	"	860	1060	"	"	"	"	"	"	130	"	"	"	"	"	"	2350	
" " 28 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " 14 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " 7 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " 4 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	27.87 / 23
" " 3 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " 2 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " 1 lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " ½ lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
" " ¼ lb.	"	"	30	"	"	"	"	"	"	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	13	"	"	"	"	"	"	235	
Motar pans 15" × 5"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	
	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"															
Instruments	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"															
Chains Iron Galvd. measuring 100 feet	"	"	"	"	"	"	"	"	10	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	54	24	"	"	"	48	16	344	
Levels, Abney's, Pocket	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	43	53	"	"	"	"	"	"	"	"	"	"	"	"	"	96	
Levelling Instrument Dumpy 14"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	6				12	4	22	
" " 12"	"	"	"	"	"	"	2	"	2	"	"	"	"	"	"	"	43	53	"	"	"	"	"	"	8	"	"	"	"	"	"	108	
Watch's Insts. Fish skin case small	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	43	53	"	"	"	"	"	"	"	"	"	"	"	"	"	96	
" " Box third class	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	3	"	"	"	6	2	11	
Prismatic Compass with stand	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	43	53	"	"	"	"	"	"	6	6	"	"	"	12	4	124	
Staves Levelling Telescopic	"	"	"	"	"	"	2	"	2	"	"	"	"	"	"	"	86	106	"	"	"	"	"	"	8	6	"	"	"	12	4	226	
Tapes Metallic measuring 100 feet	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	129	159	"	"	"	"	"	"	126	6	"	"	"	12	4	436	
" " 50 feet	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	"	15	"	"	"	30	10	55	23

P. W. Stores
Madras 11th September 1884

Captain R.E.
General Superintendent P. W. Stores

N.B. This statement is exclusive of the Tools kept in stock in the different Circles

PUBLIC WORKS STORE DEPARTMENT,
Madras, 11th September 1884

No. 754 S.

From
THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

2787/24

To
THE Chief Engineer
P. W.
Madras.

JH

SIR,

Enclosures, 2
1. Compiled Statement
1. Abstract — "

I have the honor to forward Compiled Statement, and abstract shewing the numbers and value of Tools and Plant required by Superintending Engineers to be kept in stock in the Public Works Stores for Famine relief Works, amounting to Rupees 2,55,180 – excluding the value of Mortar pans, and beg to request orders for such further action as may be considered necessary. The Supdg. Engr 3rd Circle has not up to date submitted any Estimate.

The number of Tools are so very large that it would take a long time for the Workshop to make them; such articles as Cash Chests Crowbars, Rammers, Steel Jumpers and Mortar pans for cleaning rice can be made here; but to ensure good quality and to avoid delay, I would suggest that the other tools be obtained through the India Store Department.

The

The number of Mortar pans required is not yet known, as the Superintending Engineer 4th Circle only has asked for them.

I have the honor to be,
Sir,
Your most obedient Servt
W.C. Baddeley Captain R.E.
General Supt. P. W. Stores.

2787
25

25

Public Works Store Department.

From

THE GENERAL SUPERINTENDENT, (5)
P. W. STORES, &c.,
MADRAS,

To

The Chief Engineer
P. W.
Madras

No. 754 S.

Dated 11th }
Despd. 11th } September 1884.
Recd. }

No. OF ENCLOSURES. Two

—Forwards Compiled Statement, and abstract showing the numbers and value of Tools and Plant required by Supt. Engineer to be kept in stock in the P. W. Stores for Famine relief Works, amounting to Rs. 2,54,180.

No. 3326 . A

Government of Bengal.

PUBLIC WORKS DEPARTMENT.
Accounts
General

2787/2/10

All communications should be addressed to the Secretary.

To

THE Secretary to the Government of Madras,
P. W. Department.

P. W. DEPT.

Dated Calcutta, the 24th September 1884.

Sir,

I am directed to acknowledge the receipt of your letter No. 1395 C of the 9th August enquiring what supplies of serviceable tools are likely to be available from Calcutta should it be found necessary to make an urgent demand for them; and to state in reply that no stocks of tools are kept in any of the stores of this Government at Calcutta. It is difficult to state what number of tools could be procured on an emergency in the Calcutta Market, but in the last famine in Bengal the Local Government were able to purchase 29,000 Kodalies & 18000 picks without indenting on the English market. I may however state that the Kodalie procurable in Calcutta differs considerably from the mamootie and would probably be found unsuitable for Madras laborers.

With C. No. 7090 sent to O.S.G. 27-8-84

The average cost of Kodalies is Re 1/- and the

pr

A 652—11-2-84—1265—5,002
Genl., P. W. D.—Letter Form—No. 29.

2/10

1,15,709 D. H.

[illegible] 2089

from the 1/5/ according to size and weight.

I have the honor to be,
Sir,
Your Most Obed^t. Servant.

Major M.S.C.
Under Secretary.

(5)

3/9/84

Accompaniment
Nil

Tm

OFFICE OF THE SUPERINTENDING ENGINEER,
6TH CIRCLE.

Kodaikanal 15/9/ 1884.

No. 294 T.C.

2787/27

From
The Superintending Engineer,
6th Circle.

To
The Chief Engineer
P. W. D.

ENCLOSURE.

Sir,

In continuation of my letter No. 771 T.J. dated 19^t August 1884. I have the honor to report that there are in charge of the Revenue Department at Trichinopoly 162 Bill Hooks and 1302 Pickaxes in good order available for Famine purposes.

I have the honor to be
Sir
your most obd^t. serv^t.

Lieut. Col. R.E.
Superintending Engineer

27

1,15709 D.H

No. 837C. 24.4.84
" 1474C. 2.9.84

P. W. D. 6TH CIRCLE.

From

The Superintending Engineer,
6th Circle.

To

The Chief Engineer
P.W.D.

No. 294 T.C.

Dated 15' } Sept. 1884.
Received }

Enclosure

Famine Tools:—

Reports on the —
in charge of the Rev: Depts

o/d. 24/10/84

a. 9.10.84

05807

INDIAN TELEGRAPH.

Class. L.S.				Local No.
To (Station) Madras				From (Station) Masulipatam
Words. 47/34	Day. 26	Hour. 18	Minute. 12	Official Instructions.
To (Person) Madras Works				From (Person) Supg Engr 2nd Circle

Your telegram eighth
following famine tools
on hand nellore
Stonebreaking hammers 1970
pickaxes 21 Crowbars
579 mamoties 1034
Kistna axes Country
14 pickaxes 164
Cash Chests 3
Chains 20 Crowbars
2723 Stonebreaking hammers
76 mamoties 2474

2nd Circle - Total.

Stone breaking hammers	2046	Country axes	14
Pickaxes	185	Cash chests	3
Crowbars	3302	Chains	20
Mamoties	3508		

Recd. from At Hrs. Mts., By L. N.

Sent to At Hrs. Mts., By L. N.

Telegraph Master

Date MADRAS 26-8-84

1,157/09

RATES OF CHARGE FOR INLAND TELEGRAMS.

The address (including name of sender, and name and residence of addressee) is transmitted free.

	First 8 words.	Each additional word.
Deferred Message	8 Annas	1 Anna.
Ordinary "	1 Rupee	2 Annas.
Urgent "	2 Rupees	4 Annas.

A group of 5 or less figures, is reckoned as one word.

No charge for delivery within a distance of 3 miles.

(1)

Compile

Sd. 15/7/8

PUBLIC WORKS STORE DEPARTMENT,
Madras, 16th September 1884.

No. 770 S.

2787/29

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES, &c.,

To

THE Chief Engineer
D. P. W.
Chepauk.

SIR,

In continuation of my letter No. 754 dated 11th September 1884, I have the honor to forward Abstract Estimate of Tools and Plant required by the Supdg. Engineer 3rd Circle to be held in stock for Famine Relief Works in his Circle, amounting to Rupees 1,31,073. The cost of Mortar Pans has not been included.

Enclosure. One

I have the honor to be,
Sir,
Your most Obedient Servant
Captain R.E.
General Supt. P. W. Stores

29

1,15,709 8 4

No 8270. Dt 4.4.84

Abstract List of Tools and Plant required by the Supt. Engineer Third Circle to be held available for Famine Relief Works.

8787/30

Description	Number	Rate	Amount	Remarks
Axes, Country Kodalies	5000	3 3 "	15,937 8 "	
" Felling 6 lbs	2,000	2 12 "	5,500 " "	
" Pick 2 lbs	12,000	" 12 "	9,000 " "	
Bars Jumping Brass 5 feet	2,000	5 4 "	10,500 " "	
Bill Hooks 2½ lbs	4,000	1 " "	4,000 " "	
Chest Cash Wrought Iron small	100	100 " "	10,000 " "	
Crow bars 14 lbs	4,000	1 4 "	5,000 " "	
Hammers hand 2 lbs	12,000	" 13 "	9,750 " "	
" Sledge 10 lbs	2,000	1 11 "	3,375 " "	
" Stone breaking, 3 lbs	5,000	1 " "	5,000 " "	
Jumpers Steel 6' 1" hole	1,500	5 12 "	8,625 " "	
Knives curved for Prickly pear	2,000	" 12 "	1,500 " "	
" " for grass	1,000	" 8 "	500 " "	
Mamooties 5 lbs	400	1 " "	400 " "	JP
" 6 "	400	1 2 "	450 " "	
" 7 "	400	1 4 "	500 " "	
Measures Iron one Seer	100	" 3 "	18 12 "	
" " ½ "	100	" 2 6	15 10 "	
" " ¼ "	100	" 2 "	12 8 "	
Needles Priming copper 5' long	1000	2 " "	2,000 " "	
Picks 5 lbs	7,000	1 " "	7,000 " "	
Rammers Cast Iron 14 lbs	5,000	1 2 "	5,625 " "	
Rods measuring teak 10 feet	1,500	2 8 "	3,750 " "	
Scales, with chains & platforms 5 Cwt	50	145 " "	7,250 " "	
			1,15,709 6 "	

Description	Number	Rate	Amount	Remarks
			4,15,709 6 "	
Wedges iron 5 lbs	500	" 15 "	468 12 "	
"	500	1 2 "	562 8 "	
"	500	1 8 "	750 " "	
"	500	1 14 "	937 8 "	
"	500	4 11 "	2,343 12 "	
Weights [illegible] 56 lbs	500	2 2 "	106 4 "	
28 "	50	1 4 "	62 8 "	
"	50	1 " "	57 " "	
"	50	" 15 "	46 14 "	
"	50	" 15 "	46 14 "	
4 "	50	" 11 "	34 6 "	
"	50	" 7 "	28 2 "	
2 "	50	" 6 "	18 12 "	
"	50	" 5 "	15 10 "	
"	50		1,21,187 4 "	
Mortar pans [illegible]	100	5 " "	400 " "	
[illegible] measuring 100 feet	86	10 " "	2,265 " "	
[illegible]	86	21 4 "	765 " "	
[illegible]	86	13 4 1 "	1,826 4 "	
[illegible] 12"	80	8 " "	240 " "	
[illegible]	86	12 " "	772 " "	
[illegible] measuring 100 feet	100	5 " "	500 " "	
			9,591 4 "	

Abstract.

Tools excluding cost of mortar pans — 1,21,187 4 "

Instruments — 9,591 4 "

Say Rupees — 1,31,078 " "

per Buddeley, Captain R.E.

General Supt. J. W. Stevens

2787
32

Class. X S

INDIAN TELEGRAPH.

Local No. 69

To Station: Triplicane Madras

From (Station): Bellary

Words.	Day.	Hour.	Minute.	Official Instructions.
15	16	14	42	Urgent

To Person: Madras Works

From (Person): Superintg Engr

Indent for famine tools sent three days ago.

2787
31

31

Z TRIPLICANE TELEGRAPH

Recd. from At Hrs. Mts. By L. N.

Sent to At Hrs. Mts. By

Date

Coolburn Telegraph Master.

Traffic Code Form C 1. S. P. No. 4000 G. T. Press, No. 128,—27-5-90,—100000.

32

Description	Number	Rate	Amount	Remarks
			1,15,709 6 „	
Wedges Iron 5 lbs	500	„ 15 „	468 12 „	
„ „ 6 „	500	1 2 „	562 8 „	
„ „ 8 „	500	1 8 „	750 „ „	
„ „ 10 „	500	1 14 „	937 8 „	
Weights	500	4 11 „	2343 12 „	
„				
„				
„				
„				
„				
„				
„				
„				
Mortar pa				
Chains Iron				
Compass				
Scale M				
Levelling				
Instrument				
Stone Levelling Telescopic			500 „ „	
Tapes Metallic measuring 100 feet	100	5 „ „	9,891 4 „	

Abstract.

Tools excluding value of Mortar pans	1,21,187 4 „
Instruments	9,891 4 „
Say Rupees	1,31,078 „ „

H. C. Baddeley, Captain R.E.
General Supt. I. W. Stores.

I. W. Stores
1st Sept 1884

2787
32

The Chief Engin
I. W.
Ag

770

15th
15th September

Forwards Ab
Abstract of Tools and P
required by the Superin
Engineer 2nd Circle, for
Relief Works.

32

Add these to the [illegible] recently received [illegible]

17/9

Public Works Store Department.

From

The General Superintendent,
P. W. Stores, &c.,
Madras.

To The Chief Engineer
P. W. D.
Chepauk

No. 770 S.

Dated 16th
Despd. 16th September 1884
Recd.

No. of Enclosures. One

Forwards Abstract Estimate of Tools and Plant required by the Superintending Engineer 5th Circle, for Famine Relief Works.

Vide C.E. 7757
16-9-84

Dw. 8787/33

I find ~~that an~~ office note was sent to Genl Supdt on 8th inst. telling him to go on with manufacture of tools — & I have now had it put up —

The office note concluded by saying ~~that~~ further orders would be issued with regard to the No of ~~to~~ coolies to be provided for — This point will probably be settled when ~~[illegible]~~ replies come in from Supdg Engrs as ~~to the~~ No of tools in their circles — If approved, this paper will be compiled with the others.

33

Yes — [illegible] shall be come in & judge [illegible] these [illegible] tools — C.

C.

13/9/84

---

(1)

to Dw. 8787/35

The replies to your telegram of 8th Inst. to Supdg Engrs. relative to famine tools, have now all come in, & have been tabulated in the accy. Statement.

Capt. Baddeley has submitted a statement showing what tools are available in the General Stores, & the Govt of Bombay have furnished a list of articles procurable in the Bombay market. No reply has been recd from Govt of Bengal —

In office note No 1391 d/d 8.8.84. Capt Baddeley was ordered to begin

Engineer

Add thanks [illegible]

d/d 24/10

Note to be recorded with file connected with Famine Tools.

Capt. Kensington informs me (in d/o of 14th August) that Jeypore P.W.D. has been steadily using up its reserve stock of picks, mamoties, &c. ever since 178, and they are therefore short of what requisites may be in the event of relief works.

Tools cannot therefore be spared by Jeypore.

C.J.
15-8-84

2787/34

34

(1)

To D.W. 2787/35

The replies to your telegram of 8th Inst., to Supdg. Engrs., relative to famine tools, have now all come in, & have been tabulated in the accy. statement.

Capt. Baddeley has submitted a statement showing what tools are available in the General Stores, & the Govt of Bombay have furnished a list of articles procurable in the Bombay market. No reply has been recd from Govt of Bengal.

In office note No 1391 D dd 8.8.84. Capt Baddeley was ordered to begin

Engineer

P

From

To

No.

(4)

To D.W. 8787/35

The replies to your telegram of 8th Inst. to Supdg. Engrs. relative to famine tools, have now all come in, & have been tabulated in the accy. statement.

Capt. Baddeley has submitted a statement showing what tools are available in the General Stores, & the Govt of Bombay have furnished a list of articles procurable in the Bombay market. No reply has been recd from Govt of Bengal.

In office note No 1391 d/d 8.8.84, Capt Baddeley was ordered to begin

37

8.84 to 20.10.84

10

manufacture of tools suitable for relief Works – He was told that "Quantities sufficient for "50,000 coolies may be taken "for what is required – "but on this point further "orders will shortly issue"

For orders.

CW
27-8-86

---

(1)

To Ur Famine Tools 2787/36

I now submit for your consideration a statement of the quantities of Famine Tools in the six circles.

You will observe therefrom that there are tools available for the employment of over 50,000 Coolies.

In addition there is a small stock in the P.W. Stores, and some 40,000 suitable tools are procurable from Bombay.

No reply as yet from Bengal.

I believe prospects are improving, and in the circumstances I presume no further action is needed at present. I think the order to P.W. Workshops for the manufacture of mammoties, &c, might now be withdrawn.

CW
27-8-86

36

7647 (5)

To D.W.

The Genl Supdt D.W.S. submits for orders a compiled statement showing the numbers & value of Famine tools indented for by Supdg Engrs – The total value amounts to Rs 2,53,780. No indent has yet been received from the III Circle, where famine is usually most severe.

In para 8 of Circular No 2453 C dd 8.12.83 it was stated that "the articles indented for will, after sanction by Govt, be procured by the Genl Supdt, either locally or from England, & will be kept in stock at Madras

Engineer

manufacture of Tools suitable for relief Works. He was told that "quantities sufficient for "10,000 coolies may be taken "for what is required. "but on this point further "orders will shortly issue"

For orders.

Ce
27-8-[illegible]

General Supt P. W. Wor

S.A.W.

2787/37

An Indent may now be framed according to the single list herewith. I shall submit same to W with further remarks.

"Proceedings" will I presume be necessary on the S.E.'s letters, &c. These should I think, state simply that the Govt having reviewed the demands made by the S.Es. of the different circles for famine relief tools to supplement the existing stocks, & having compared the same with the supplies now available in store for any emergency, have determined to eliminate from the indents articles which it is considered unnecessary to keep permanently in stock, inasmuch as it is ~~considered~~ believed that a sufficiency of same can be readily & rapidly procured in local or near markets when occasion arises and ~~[illegible]~~, bearing in mind that the spare tools available in one circle can always be quickly transferred to another should the demand happen to be in excess of the supply in hand, have reduced the quantities indented for so as to provide sufficiently for urgent relief works & avoid encumbering the stores of the Presidency with stocks for which requisitions must be exceptional.

The tools, to be now indented for, will, when supplied, be kept in the P.W. Presidency Stores, being distributed nominally against the several Circles. The S.Es will be apprised in due course of the numbers standing against their circles, and it will be their duty at the commencement of each financial year

37

7647

(5)

To DW.

The Genl Supt P.W.S. submits for orders, a compiled statement showing the numbers & value of Famine tools indented for by Supdg Engrs. The total value amounts to Rs 2,53,780. No indent has yet been received from the III Circle, where famine is usually most severe.

In para 8 of Circular No 2453 C dy 8.12.83 it was noted that "the articles indented for will, after sanction by Govt, be procured by the Genl Supt, either locally or from England, & will be kept in stock at Madras

Engineer

manufacture of Tools suitable for relief Works. He was told that "Quantities sufficient for "10,000 coolies may be tak[en] "for what is required "but on this point fur[ther] "orders will shortly issu[e]

For orders.

C.

27-8-84

---

to examine carefully the lists of relief tools at their disposal, and bring to notice any deficiencies, whether in numbers, description, or quality, which they think, in view to possible contingencies, ought to be made good.

C.S.

24.10.84

General [illegible]

Famine Tools.

2787/38

To W

With reference to your remarks of 16th, I now submit for consideration a list of tools to be ordered, together with proposed draft Proceedings on the subject.

I have not adopted any of the figures given by the S.E's., but have simply entered such round numbers as will, I think, meet requirements, at all events for the present. On what exact basis the demands made by the S.E's. were framed it is difficult to make out.

The indents comprised Pick-axes, 5lbs., and Picks, 5lbs. It is not clear to me what the distinction is. If quarry-picks are meant by one of the terms, such would hardly be required for relief works.

The weight of the tools — picks, mamoties, & hammers — is a point of importance to be considered.

5lbs. was the weight assigned for the picks. This seems to me rather light for this class of tool. They should be of malleable cast iron, tipped with about 2lbs. of best steel. The English picks used by the relief gangs on the Mysore Railway weighed 6lb. 6oz.

As regards mamoties the weights originally assigned were 5lbs., 6lbs., & 7lbs., and the S.Es. have asked mostly for those of 6lbs. & 7lbs. In my opinion, 5lbs. would be the weight to adopt. They should be of Sheffield cast steel.

For stone-breaking hammers I am inclined to think 2lbs. the proper weight.

C.S.

30.10.84

7647

(5)

To D.W.

The Genl. Supt. D.W.S. submits for orders, a compiled statement showing the numbers & value of Famine tools indented for by Supdg. Engrs. The total value amounts to Rs 2,53,780. No indent has yet been received from the III Circle, where famine is usually most severe.

In para 8 of Circular No 2453 C d/ 8.12.83 it was stated that "the Articles indented for will, after sanction by Govt., be procured by the Genl. Supdt., either locally or from England, & will be kept in stock at Madras

Engineer

manufacture of Tools
suitable for relief
Works - He was told that
"Quantities sufficient for
"10,000 coolies may be tak
"for what is required -
"but on this point fur
"orders will shortly iss

For orders.

C.G.
27-8-84

1

2787/39

I think a message should be wired to S.E. III directing him to submit at once his indent to the Supdt P.W. Stores. We cannot well deal with the question as a whole until that indent has been received ——

C.G.
15-9-84

D.W.

A fresh abstract is now submitted, including the demand of S.E. III Circle - The total demand now amounts to Rs 3.86.852.

C.G.
18/9/84

S.G.W. I think that before dealing with this we ought to have the several indents of S.Es. to compare one with the other. Some of the items demanded strike me as curious.

C.G.
18/9.

39

The Genl Supdts consolidated statement shows the demands by Divisions.

C.G.

10.7.10.84

30.10.84

7647

(5)

To D.W.

The Genl Supdt P.W.S. submits for orders, a compiled statement showing the numbers & value of Famine tools indented for by Supdg Engrs - The total value amounts to Rs 2,53,780. No indent has yet been received from the III Circle, where famine is usually most severe.

In para 8 of Circular No 2453 C dy 8.12.83 it was stated that "the Articles indented for will, after sanction by Govt, be procured by the Genl Supdt, either locally or from England, & will be kept in stock at Madras for issue when an emergency may arise".

Also that "the authorised stock" "will be laid down, on complete information being received".

It seems necessary now therefore to decide as to an authorised stock, and to obtain sanction of Govt to the supply of the articles.

The Genl. Supdt. states that such articles as Cash chests, crow bars, rammers, steel jumpers & mortar pans can be made in the workshops, but he suggests that, to ensure good quality & to avoid delay, the other tools be obtained through the India Store dept.

Before final orders are passed, the S.E. III Circle should apparently be asked to state his requirements.

The S.E. IV Circle is the only officer who has indented for mortar pans for cleaning rice. It is a question whether other Supply Engrs. should be asked to consider their requirements as regards this item.

For orders.

3787/50

Cu
13.9.11

QD

D.W. 2787/97

The telegrams & statements showing the number of famine tools at present in stock in the several Circles, were sent to Bay on 28.8.84 with a note from you to W.

The file has not yet been returned.

Cl
20/9/84

Please have the demand from III Circle entered in the Detailed Statement which enables us to compare the several requirements of the Circles, one with another. —

CJ
24.9

D.W. Demand from III Circle has been entered in the detailed statement. It has been inserted in lump numbers, as the Genl Supt has not given the demands by Divisions.

Cl
25.9.84

[illegible] 4.11.84

---

(5)

Caw 2787/92

We have received from Genl Supt P.W. Stores, a consolidated statement showing the demands made by Supdg Engrs for famine tools, in accordance with Circular No 2453C of 8.12.83 para 8, & it is now necessary to decide on how far the demands shall be complied with, and to lay down an authorised stock for famine relief purposes.

D.W. who is now dealing with the subject, writes as follows—

"I cannot deal

residency, the Consg Engineer

S.a.W.

I cannot deal with this satisfactorily unless I have also the statement of Famine Tools now in stock in each circle. Can you collect these early. I believe it is of urgency.

C.A.
25.9.84

2787

Wrote C.A.W.
25.9.84
C.A.

CH

Seen CG
29.9

Resubmitted 9.10.84 R. 10.10.84
25.9.84 Returned

C.A.W. 2787/2

We have received from Genl. Supdt. P.W. Stores, a consolidated statement showing the demands made by Supply Engrs for famine tools, in accordance with Circular No. 2453C d/8.12.83 para 8, & it is now necessary to decide on how far the demands shall be complied with, and to lay down an authorised stock for famine relief purposes.

G.W. who is now dealing with the subject, writes as follows—

"I cannot deal

necessary, no Supply Engineer

with this satisfactorily unless I have also the statement of Famine tools now on stock in each circle – Can you call for same early. I believe it is at Ooty".

On 28.8.84 we sent ~~up~~ up, with a note from D.W. to W., the letters & telegrams from the several S.E.'s, reporting the quantities of tools already in stock. also an abstract statement prepared in this office.

Can you kindly order the return of the file to Madras, for resubmission to D.W.?

Cu
25/9/84

S. CW

All the papers on the subject of Famine have been taken away by W. I will ask for the file on his return.

C.S.
26.9.84

DW

Submitted for information.

Cu
29.9.84

Famine Tools.

2787
44

To W.

Herewith a statement of the requisitions from each of the 6 circles for Famine Tools.

The file connected with the Famine Tools already in store is with you, so I have been unable to enter the numbers in hand in the column prepared for that purpose, & thus show exactly the totals of tools required in each circle. This can be done at Ooty & will enable you to compare the demands of one district with those of another.

I venture to say that it will be unwise to lay in stocks of some of the articles indented for – instruments for instance. Should necessity arise for relief works, even on an extensive scale, it will not be difficult surely to supply the needful in this respect without much loss of time. Mathematical instruments do not improve by being kept on stock, & to sink money in purchasing a lot for the problematical requirements of the far-off (let us hope) future seems to me injudicious.

I observe that 132 Abney's Pocket Levels have been asked for. These may be useful little instruments on occasion, but why a lot of them should be wanted for famine works I cannot imagine.

S.E. IV. indents for 44,736 wicker baskets. To store up a lot of such perishable articles is hardly wise. They could very quickly be made up on the approach of distress, & their manufacture would then give employment at a poor time.

44

---

7. W

PUBLIC WORKS DEPARTMENT.

IE MADRAS GOVERNMENT.

UNDER date the 7 November/84

READ the following

H.E. No. 571 dt. 5th Augt/84
" — dt. 11th " "
" dt. do
" No. 292C E.W. dt. do
" dt. 12th "
" No. 1828 dt. 13th do
" dt. 19th do
" No. 935 A dt. 21st do
" 1966 dt. 22d do
" 754 I dt. 11th Sept/84
" 3326 A dt. 14th do
" 294 F.C. dt. 15th do
dt. 16th do
dt. do
No. 1770 I dt. do

In drawing ttention to certain rovisions of the Famine ode for the Madras Presidency, the Chief Engineer with this satisfactorily unless I have also the statement of famine tools now in stock in each Circle. Can you call for same early; I believe it is at Ooty.

On 28.8.84 we sent up, with a note from D.W. to W., the letters & telegrams from the several S.E.'s, reporting the quantities of tools already in stock. Also an abstract statement prepared in this office.

Can you kindly order the return of the file to Madras, for resubmission to D.W.?

Ch
25/9/84
30

Should it be decided to lay in now a sufficiency of relief tools for all emergencies, I am inclined to recommend that we should limit such stocks to tools of undoubted necessity for famine relief works, viz: axes, bill-hooks, crowbars, hammers, knives, mamoties, picks, rammers.

In case of need, I believe such things as cash chests, tin measures, rods, scales, weights could be procured in the local or near markets, or be made up sufficiently rapidly to obviate all possible inconvenience.

C.B.
9. 10. 84

S.A.W.

2782/45

This statement gives the number of tools required by Divisions. I think we shall have to consider the requirements by Circles, not by Divisions. We shall then be better able to compare the demands made by one Circle, with those made by another, & eliminate what is useless. Let a statement be quickly prepared giving the totals for each of the 6 circles. There might be 3 columns to each Circle — one for the tools indented for now, the second for the famine tools already in hand, & the third the total, which latter will show exactly what each S.E. thinks will be required for relief works.

C.B.
8. 10. 84

D.W.

Statement submitted accordingly. The columns "No. in stock" & "Total" have been left blank, the papers being at Ooty.

Ch
8. 10. 84

WS

P.W.

PUBLIC WORKS DEPARTMENT.

E MADRAS GOVERNMENT.

UNDER date the 7 November/84

READ the following

H.E. No. 571 dated 5th August/84
" — dated 11th " "
" dated Do
" No. 292C/E.W. dated Do
" dated 12th "
" No. 1828 dated 13th Do
" dated 19th Do
" No. 935 A dated 21st Do
" 1966 dated 22d Do
" 754 A dated 11th Sept/84
" 3326 A dated 14th Do
" 294 T.C dated 15th Do
" dated 16th Do
" dated Do
No. 770 A dated Do

In drawing ttention to certain rovisions of the Famine ode for the Madras Presidency, the Chief Engineer

with this satisfactorily
unless I have also
the statement of Famine
tools now on stock
in each Circle. Can
you call for same or
I believe it is at Ba

On 28.8.84 we
sent up, with a
note from D.W. to
W., the letters &
Telegrams from the
several S.E's, reporting
the quantities of tools
already in stock.
also an abstract
statement prepared
in this Office.

Can you kindly
order the return of
the file to Madras,
for resubmission
to D.W.?

C
25/9/84

	I Circle.	II Circle	III Circle	IV Circle	V Circle	VI Circle	Total.
Axes, Felling, 6 lbs.	500 ~~250~~	500 ~~250~~	1000 ~~250~~	1000 ~~250~~	500 ~~250~~	500 ~~250~~	
Bill hooks, 2½ lbs.	500	500	1000 ~~500~~	1000 ~~500~~	500	500	
Crowbars, 14 lbs.	1500	0 ~~1500~~	~~1500~~	"	1500	1500	
Hammers, stone Walling, 3 lbs.	1000	1000	"	"	"	1000	
Mamoties, 6 lbs.	5000	5000	"	"	5000	5000	
Picks, 5 lbs.	1500	1500	"	"	1500	1500	
Rammers cast iron, 14 lbs.	500	1000 ~~500~~	3000 ~~1000~~	1000 ~~"~~	1000	1000	

50

27787/46

7.W

PUBLIC WORKS DEPARTMENT.

HE MADRAS GOVERNMENT.

UNDER date the 7th November 84

READ the following

H.E. No. 571 d/ 5th August 84
— d/ 11th " "
d/ Do
No. 292C/E.W d/ Do
le — d/ 12th "
No. 1828 d/ 13th Do
le — d/ 19th Do
No. 935A d/ 21st Do
1966 d/ 22nd Do
754 A d/ 11th Sept/84
3326 A d/ 14th Do
274 Z.C d/ 15th Do
le — d/ 16th Do
d/ Do
le No. 1770 d/ Do

In drawing ttention to certain rovisions of the Famine Code for the Madras Presidency, the Chief Engineer

with this satisfactorily
unless I have also
~~the statement~~ of Fami
tools now on stock
in each Circle - Can
you call for same ca
I believe it is at Ba

On 28.8.84 we
sent ~~[illegible]~~ up, with a
note from D.W. to
W., the letters ~~&~~
Telegrams from the
several S.E.'s, report
the quantities of too
already in stock.
also an abstract
Statement prepared
in this Office.

Can you kindly
order the return of
the file to Madras,
for resubmission
to D.W.?

Ce
25/10/

To D.W.

I quite accept your recommendation that the stocks of Relief tools to be laid in should be limited to the articles specified.

Even of those articles, it seems to me that the numbers applied for in the several Circles can be much reduced.

E.G. in III Circle, the No. in stock of pick axes, crowbars, hammers, & mamooties, should be sufficient, without sanctioning the additions asked for.

Similarly, in IV Circle, there seems [illegible] no sufficient reason for sanc[illegible] additional crowbars, or mamoo[illegible] &c.

On such lines, I think all the Circle indents may be dealt with, & a list drafted for approval showing the numbers of the specified articles which it is proposed to sanction in each Circle.

3786/G3

W
16.10.

43

---

7 H

Public Works Department.

HE MADRAS GOVERNMENT.

Under date the 7 November/84

Read the following

H.E. No. 571 d/ 5th Sept/84
" d/ 11th "
" d/ do
" No. 292C/E.W. d/ do
" d/ 12th "
" No. 1828 d/ 13th do
" d/ 19th do
" No. 935 A d/ 21st do
" 1966 d/ 22d do
" 754 A d/ 11th Sept/84
" 3326 A d/ 14th do
" 294 T.C. d/ 15th do
" d/ 16th do
d/ do
No. 770 A d/ do

In drawing
ttention to certain
rovisions of the Famin
ode for the Madras
residency, the Chief
Engineer

with this satisfactorily
unless I have also
the statement of Famin
tools now on stock
in each circle - Can
you call for same ca
I believe it is at Ba

On 28.8.84 we
sent up, with a
note from D.W. to
W., the letters &
telegrams from the
several S.E.'s, report
the quantities of too
already in stock.
also an abstract
statement prepared
in this office.

Can you kindly
order the return of
the file to Madras,
for resubmission
to D.W.?

Ch
25/10/

No. 2787 W

7 A

PUBLIC WORKS DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

2787/47

UNDER date the 7th November 84.

READ the following

From the Genl Suptt P.W. Stores - H.E.	No. 571 d/ 5th Aug/84
Telegram from the Supg Engr IV Circle	d/ 11th do
do do do VI do	d/ do
From the Supg Engr IV Circle	No. 292C/E.W. d/ do
Telegram from the Supg Engr III Circle	d/ 12th do
From the Supg Engr V Circle	No. 1828 d/ 13th do
Telegram from the Supg Engr I Circle	d/ 17th do
From the Govt of Bombay	No. 935 A d/ 21st do
do the Supg Engr V Circle	1966 d/ 22d do
do the Genl Suptt, P.W. Stores	754 d/ 11th Sept/84
do the Govt of Bengal	3326 A d/ 14th do
do the Supg Engr VI Circle	2947 C d/ 15th do
Telegram from the Supg Engr II Circle	d/ 16th do
do do do III do	d/ do
From the Genl Suptt, P.W. Stores	No. 770 d/ do

47

In drawing attention to certain provisions of the Famine Code for the Madras Presidency, the Chief Engineer

Engineer, in para 8 of his Memorandum No. 2453 C dated 8th December 1883, pointed out the necessity for making preliminary arrangements for the provision of an ample supply of tools, and instructed Superintending Engineers to indent on the General Superintendent P. W. Stores for the balance of probable requirements, after ascertaining the quantities of each kind in stock in the several divisions

2. The papers above recorded show the numbers of the

2787/48

the various descriptions of famine tools which are in stock in P. W. Circles, and the demands for new tools submitted by Superintending Engineers. The figures have been tabulated in the statement printed with the Proceedings as Appendix A.

3. The Government, having reviewed the demands, and compared them with the supplies now available in store for ~~any~~ use on emergency, have determined to eliminate, from the indents, articles which it is considered unnecessary

48

unnecessary to keep permanently in stock, and of which it is believed a sufficiency can be readily and rapidly procured in local or adjacent markets, when occasion arises. In view also of the fact that the spare tools available in one circle can ~~always~~ be quickly transferred to another where the demand happens to be in excess of the supply in hand, the Government have resolved to reduce the quantities indented for; so as to provide sufficiently for emergent

3787/[illegible]

emergent relief works, and ~~[illegible]~~ to avoid encumbering the Stores of the Presidency with stocks for which requisitions must be exceptional. The quantities and descriptions of tools to be now supplied are shown in Appendix B, and the General Superintendent, P. W. Workshops and Stores, will at once put in hand, the manufacture of such of the articles ~~which~~ as can be made up satisfactorily & cheaply at the Workshops, and will frame a special indent on the Home Government for the remainder.

4. The tools, when supplied, will be kept in

in the Presidency P. W. Stores, being distributed nominally against the several circles, Superintending Engineers will be apprised, in due course, of the numbers standing against their respective circles; and it will be their duty, at the commencement of each financial year, to examine carefully the lists of relief tools at their disposal, and to bring to notice any deficiencies, whether in numbers, description, or quality, which, in view of possible

possible contingencies, they consider ~~ought~~ ~~to~~ should be made good.

2787/50

CW.
30-10-84

1.11.84

50

To
Supg Engineers
The Chief Engineer for Irrgn
" Examiner, P W Accts
" Revenue Department

26/11/84.

CM

No 1391 D d/ 8-8-84
- 1395 C d/ 9-8-84
- 1341 D d/ 1-8-84
Bk No 1659 W d/ 2-7-84

7 NOV 84

2787/51

51

17-2-92
29.4.12

Govt. of (1884) Madras.

PUBLIC WORKS.

511

Dated

Recd 10/11/1884

Recd.

Encl.

G.O. 1884, No.

160
12

[illegible] on 26/11/[illegible]
only issue [illegible] in printing