Supplemental

Provincial

Detail of Estimate received from Second Circle, Kistna Eastern division for the official year 1887-88

Circle	Amount	Remarks
	Rs As p.	
Superintending Engineer Second Circle, Kistna Eastern Division ———	5,563 " "	

P. W. Stores
Madras
7th October 1886

(Sd) Hugh O' Connell
Genrl. Supt. P. W. Stores.

Supplemental

Provincial

Estimate of the probable quantity and value of Stores required from England for the use of II Circle, Kistna Eastern Dn D.P.W. for the official year 1887-88.

Description or Class of Stores	Actual expenditure for 3 years 1883-84	1884-85	1885-86	Probable estimated requirements for 1887-88 Quantity	Rate	Value
						Rs A P.
Metals						4,234 " "
Painters Stores						579 " "
Miscellaneous						750 " "
					Total Rupees	5,563 " "

P. W. stores
Madras
7th October 1886

(Sd) Hugh O'Connell
Genrl. Supt. P. W. Stores

Supplemental

Provincial

Abstract of the Estimate for Stores, required from England for Second Circle Kistna Eastern Division for 1887-88

Description	Amount Total Rs A P	Rs A P	Remarks.
Metals			
2nd Circle Kistna Eastern Division	4234 " "		
		4234 " "	
Painters Stores			
2nd Circle Kistna Eastern Division	579 " "		
		579 " "	
Miscellaneous			
2nd Circle Kistna Eastern Division	750 " "		
		750 " "	
Total Rupees		5563 " "	

Pr. Stores
Madras
7th October 1886

(Signed) H. O'Connell.
General Supt Pr.
Stores.

Estimate for the probable quantity and value of stock articles required from England for the use of Victoria Eastern Division during the official year 1887-88.

Description or class of Stores	Actual expenditure for three years			Probable estimated requirements for 1887-88		
	1883-84	1884-85	1885-86	Quantity	Rate	Value.
Small Stores						
Rivets iron 1" long 5/8"				5 cwts	15-0-0	75-0-0
do do 3/4" do 5/8"	817-15-10	366-11-9	192-11-4	5 cwts	15-0-0	75-0-0
Broad nails 1"	0-0-2	0-0-7	0-0-3	6 lbs	0-4-0	1-8-0
Clasp nails	0-13-10	8-2-8	2-1-8	6 lbs	0-8-0	3-0-0
Brass hinges 1"	"	"	"	50	0-1-0	3-2-0
do do 1 1/4"	4-0-0	"	0-2-0	50	0-1-3	3-14-6
do do 1 1/2"	3-2-6	0-7-0	0-6-0	50	0-1-6	4-11-0
do do 2"	6-1-9	1-10-0	1-0-0	50	0-1-9	5-7-6
Wrought iron hinges 2 1/2"	3-2-0	7-10-4	4-0-0	48	0-1-3	3-12-0
do do 3"	1-16-0	2-0-0	1-0-6	48	0-1-6	4-8-0
do do 4"	"	"	2-14-0	48	0-1-9	5-4-0
Brass padlocks 2 1/2"	6-0-0	8-0-0	1-9-0	6	2-8-0	15-0-0
do almyra locks 2 1/2"	7-0-1	"	"	6	0-14-0	5-4-0
do Drawer locks 2 1/2"	8-9-11	6-13-0	11-4-0	6	0-14-0	5-4-0
do Box locks 2 1/2"	6-8-11	4-11-0	5-13-0	6	0-14-0	5-4-0
Brass punka hooks	2-0-0	1-0-0	2-0-0	12	0-8-0	6-0-0
do punka wheels	"	12-0-0	"	12	4-0-0	48-0-0
do punka handles	5-0-0	6-0-0	2-0-0	12	1-0-0	12-0-0
Door nobs porcelain	"	1-12-6	2-4-0	12	2-6-0	24-0-0
Window do do	"	1-9-0	2-0-0	24	0-6-0	9-0-0
Brass screws 3/8"	"	"	0-9-10	2 gross	0-12-0	1-8-0
do do 1 1/4"	"	"	0-4-9	3 do	5-0-0	15-0-0
do do 2"	2-14-8	6-11-2	0-10-8	6 do	6-0-0	36-0-0
Iron door bolts 6"	"	"	0-6-0	12	0-4-0	3-0-0
do do 10"	2-0-0	7-0-0	2-14-0	12	0-6-0	4-8-0
do do 12"	10-0-0	12-0-0	15-2-0	12	0-7-0	5-4-0
do do 18"	8-0-0	8-1-9	10-0-0	12	0-8-6	6-6-0
						386-9-0

White lead	29-10-2	35-4-11	7-3-3	1 Cwt	18-0-0		
Blue powder	17-5-2	6-0-4	7-1-11	10 lbs	0-6-0	3-12	
Zinc white paint	116-1-3	113-1-8	149-0-10	25 Kegs	5-0-0	125-	
Chocolate paint	167-2-4	373-4-1	201-9-4	50 do	8-0-0	400-	
Vermillion	15-8-7	10-12-7	6-0-10	5 lbs	1-4-0	6-	
Lamp black	2-8-9	16-8-1	10-10-9	60 lbs	0-6-0	18-12	
Painters Brushes of sizes	117-1-7	70-2-2	92-9-6	100	0-6-0	37-8-	
Yellow powder	"	"	3-1-10	10 lbs	0-6-0	3-12-	
Miscellaneous							
Twine Europe	1-8-9	0-1-7	2-14-0	12 lbs	1-0-0	12-0-0	
Canvas	11-7-0	29-15-6	82-1-4	1 Roll	25-0-0	25-0-0	
Gunpowder	474-0-0	399-0-0	540-0-0	600 lbs	1-8-0	750-0-0	
Sand paper rough	3-7-6	1-15-0	2-6-9	24 Thds	0-0-9	1-2-0	
do do Smooth				24 do	0-1-0	1-8-0	
Rosin	30-3-2	14-12-1	33-7-5	300 lbs	0-1-6	28-2-0	
Salamoniac	"	"	"	12 lbs	0-9-0	6-12-0	
Borax	"	"	"	12 do	0-9-0	6-12-0	
Emery paper	0-7-10	0-9-2	4-9-3	50 Shts	0-2-6	7-13-0	
Twine balls Europe	15-7-0	14-15-6	4-2-1	200	0-1-3	15-0-0	
Carpenter pencils	1-7-7	"	1-5-9	1 Gross	0-1-6	13-8-0	
Hinds or Soap cakes	11-4-6	5-9-0	6-8-0	300	0-1-0 each	18-12-0	
Coal tar	166-13-11	262-3-8	233-4-6	3000 lbs	0-1-0	187-8-0	
Chalk	29-6-1	21-2-10	17-6-5	2 Cwt	4-8-0	9-0-0	
Glue	14-11-10	10-14-2	17-11-11	1 do	56-0-0	56-0-0	
Tar Brushes	1-0-0	11-0-8	15-8-0	12	0-8-0	6-0-0	
				Total Rs		8185-1-0	

Written Canteen Qrs. office
13th July 1886

J. W. Hunt
Executive Engr. & Qr. Master

Screws iron 1/4"	"	1-8-0	0-0-3	12 Gross	0-3-0	2-4-0	
do do 3/8"	0-0-6	1-4-10	0-10-10	12 do	0-4-0	3-0-0	
do do 1/2"	7-3-7	4-13-10	1-5-10	12 do	0-4-6	3-6-0	
do do 3/4"				24 do	0-5-0	7-8-0	
do do 3/4" then	14-3-5	6-12-9	15-8-1	12 do	0-5-0	3-12-0	
do do 1"	13-12-3	6-6-8	7-2-9	24 do	0-8-0	12-0-0	
do do 1 1/4"	14-14-7	7-3-2	12-13-0	12 do	0-9-0	6-12-0	
do do 1 1/2"	20-15-7	8-7-6	12-13-0	24 do	0-10-0	15-0-0	
do do 1 3/4"	33-10-9	2-3-10	4-9-10	12 do	0-10-6	7-14-0	
do do 2"	26-10-2	13-1-1	13-4-7	24 do	1-4-0	30-0-0	
do do 2 1/2"	5-2-8	3-1-8	7-7-6	6 do	1-8-0	9-0-0	
do do 3"	9-6-9	5-0-10	0-15-4	6 do	1-12-0	10-8-0	
do do 3 1/2"	26-13-10	0-15-6	3-8-0	6 do	2-0-0	12-0-0	
do do 4"	"	"	"	6 do	2-4-0	13-8-0	
Tacks iron 1/2"				12 lb	0-6-0	4-8-0	
do do 3/4"	0-11-1	0-13-8	2-14-7	12 do	0-6-0	4-8-0	
do do 1"				12 do	0-6-0	4-8-0	
Copper Tacks 1"				25 do	1-4-0	31-4-0	
do do 1/2"	0-12-7	0-12-10	77-0-4	12 do	1-4-0	15-0-0	
do do 3/4"				12 do	1-4-0	15-0-0	
Glass frames 8" x 6"	9-0-0	13-11-7	40-0-0	100 "	0-3-6	21-14-0	
do do 10" x 8"	7-5-0	8-2-9	50-0-0	100	0-5-0	31-4-0	
do do 14" x 12"	"	16-7-6	16-14-1	50	0-7-6	23-7-0	
do do 18" x 16"	5-0-0	3-0-0	10-0-0	50	1-0-0	50-0-0	
Metal							
Angle iron 2 1/2" x 2 1/2" x 3/8"	68-6-3	130-6-8	714-7-9	56 Bars	7-7-0	371-14-0	
T bar iron 2" x 1"	81-5-11	298-3-3	349-14-7	25 00	4-8-0	112-8-0	
do do 3" x 1/2"	10-8-10	227-3-8	3-2-4	25 do	4-0-0	100-0-0	
do do 2" x 1/2"	46-10-4	67-2-11	94-15-7	12 do	2-12-0	33-0-0	
do do 2" x 1/4"	19-4-8	63-7-3	25-11-8	25 do	2-0-0	50-0-0	
do do 1 1/2" x 1/4"	"	"	"	20 do	1-12-0	35-0-0	
do do 4" x 1/2"	40-14-10	81-7-4	3-13-9	10 do	4-8-0	45-0-0	
do do 4" x 1 1/2"	"	19-10-0	"	5 do	6-0-0	30-0-0	
do do 1" x 1/4"	1-0-6	2-6-6	"	15 do	1-8-0	22-8-0	
Square bar iron 2"	18-10-7	19-9-2	33-12-0	5 do	12-0-0	60-0-0	
do do 1/2"	7-0-10	100-9-8	21-10-1	75 do	1-0-0	75-0-0	
do do 3/8"	14-6-9	11-11-2	1-12-2	50 do	0-12-0	37-8-0	
							1696-12-0

1696-12-0

Square bar iron 1"	47-10-8	22-8-10	128-2-9	20 Bars	3-0-0	60-0-0	
do do 3/4"	106-15-5	102-6-1	61-1-2	50 do	2-4-0	112-8-0	
do do 1 1/2"	11-11-2	40-15-3	7-2-4	5 do	4-8-0	22-8-0	
Round bar iron 1/2"	66-10-5	207-13-8	200-2-4	100 do	0-9-0	56-4-0	
do do 3/4"	103-9-1	286-0-6	516-8-0	100 do	1-0-0	100-0-0	
do do 5/8"	23-5-11	81-9-2	72-0-1	50 do	0-12-0	37-8-0	
do do 1"	122-7-8	258-2-2	233-15-0	50 do	2-0-0	100-0-0	
do do 1 1/2"	14-1-2	93-1-11	45-12-4	25 do	5-0-0	125-0-0	
do do 2 1/2"	4-10-3	38-11-8	8-0-4	5 do	8-0-0	40-0-0	
do do 1/4"	1-11-9	7-12-2	9-2-9	50 do	0-4-0	12-8-0	
do do 3/8"	34-5-2	19-7-3	98-9-4	25 do	0-6-0	9-6-0	
				20 Sheets	25-0-0	600-0-0	
Sheet iron 8' x 4' x 1/4"	1319-4-0	1035-12-2	331-1-1	20 do	30-0-0	600-0-0	
do do 12' x 4' x 1/4"							
do do 8' x 3' x 1/2"	45-5-8	269-10-2	85-11-3	5 do	30-0-0	150-0-0	
do do 6' x 3' x 3/4"	19-13-5	147-4-10	89-4-0	3 do	30-0-0	90-0-0	
Brass Sheet 1/8" thick				3 do	36-0-0	108-0-0	
do do 1/16" do	12-4-4	31-7-1	258-11-5	5 do	18-0-0	90-0-0	
				5 do	50-0-0	250-0-0	
Copper Sheet 1/8"				5 do	25-0-0	125-0-0	
do do 1/16"	61-0-3	4-11-10	62-11-0				
				50 lb	0-1-0	3-2-0	
Hoop iron 1 1/2" x 1/16"				50 do	0-1-0	3-2-0	
do do 2" x 1/8"	30-13-3	13-2-0	3-9-0				
				25 do	15-0-0	15-0-0	
Brass bar 1/2" thick	"	"	"	25 do	17-8-0	17-8-0	
Copper bar 1/2" do "	"	21-5-7	"				
				1 Coil	15-0-0	15-0-0	
Steel Europe hexagonal							
Square do Steel 3/4"	95-5-4	38-15-9	2-1-0	200	14-8-0	29-0-0	
Zinc Sheet 1/32"	7-9-4	39-13-11	5-6-9	105 Sheets	1-12-0	17-8-0	
Zinc pig, do pig.	9-15-8	5-2-2	76-3-7	12	1-8-0	18-0-0	
Lead do, do do.	72-13-1	19-11-0	380-4-11	12	1-0-0	12-0-0	
Tin	24-7-4	11-4-11	47-4-6	1 Coil	76-0-0	76-0-0	
Painters Stores							
Carsons Medicinal green.	51-4-8	53-12-7	"	12 Keys	10-0-0	120-0-0	
Linseed oil raw	593-12-11	512-4-11	381-7-9	60 Drums	15-0-0	750-0-0	
do do boiled	133-3-10	198-3-3	207-2-3	30 do	15-0-0	450-0-0	
Turpentine	112-8-1	157-14-3	98-1-3	30 do	17-8-0	525-0-0	
Copal Varnish	86-15-2	25-5-8	17-3-10	2 Gallon	9-0-0	18-0-0	
Black Japan Varnish	15-2-4	7-5-5	2-8-9	2 do	9-0-0	18-0-0	
Red lead	116-14-11	99-9-6	148-6-9	3 Cwt	18-0-0	54-0-0	
							6426-10-0

CHIEF ENGINEER
14SEP
1886
FOR IRRIGATION

R 181 M

T

Ph. 7280/86
723

Krishna Eastern division

Estimate for the probable quantity and value of stock articles required from England for the use of Krishna Eastern div. during the official year 1887-88.

	625-0-0
-12-0	18-0-0
-25-0-0	
-0-0-0	
6-4-0	
8-12-0	
7-8-0	
-12-0	
-0-0	
-0-0	
-0-0	
-2-0	
-8-0	
-2-0	
-12-0	
-12-0	
-13-0	
-0-0	
-8-0	
-12-0	
-8-0	
-0-0	
-0-0	
-0-0	
-1-0	

No. 5884

P. W. Store Department,

Madras, 13th September 1886.

From

The General Superintendent,
Public Works Stores,

To

The Chief Engineer for Irrigation
Madras.

Sir,

Enclosure One

I have the honor to forward the accompanying Estimate received this day for stores required from England by the Superintending Engineer Second Circle for the Kistna Eastern Division for the year 1887-88.

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

Stud. O'Connell
General Supt. P. W. Stores

CHIEF ENGINEER 14 SEP 1886 FOR IRRIGATION

1886

R1813

From

The General Supt. P. W. Stores
Madras

To

The Chief Engineer for Irrig.
Madras

Encl: 7
RW 723 of 86
723

Dated 13th } September 1886

No. 588 I

Forwards estimate for stores required from England by the Supt. Engineer Second Circle for the Kistna Eastern Division for the year 1887-88.

From the General Superintendent, P.W. Stores, No. 588. Dt. 13th September 1886.

No. 77 G.W.

Encl: 2.

Forwarded to the Chief Engineer, P.W.D. for disposal.

2. The amount of the estimate is chargeable to stock, a suspense account, usually provided from Provincial funds.

3. The Supg. Engr. II Circle should have sent the estimate on the 15th June under para 1996A of the P.W. Code.

4. The estimate includes several articles which need not be obtained from England.

R Davidson.

For Chief Engineer for Irrig.

Chepauk, 15th Sept. 1886.

General Supt. P. W. Stores

(P.W.C. No 3679 24-9-86)

No 3222C d/22 Septr/86.

Thro' the Suptg Engr: V Circle.

P.W.C. No 7230 Subs 1 7223/86

Recd: 16-9-86

Encls: 2

With reference to para 4 of the Chief Engineer's note, the Estimate is returned to the Genl Supt of P.W. Stores in view to the elimination of all such articles as can be obtained of local manufacture and the submission of a revised Estimate.

Inclosure, Col. RE
Chief Engineer P.W.D.

21/9/86

P. W. STORE DEPARTMENT,

No. 1801 Madras, 7th October 1886.

From

THE GENERAL SUPERINTENDENT,
PUBLIC WORKS STORES,

To

THE Superintending Engineer
5th Circle

SIR,

With reference to Chief Engineer's endorsement No 3222 b dated 22nd September 1886, on Memo: from Chief Engineer for Irrigation, forwarded with your docket No 3219 of the 29th idem, I have the honor to submit a Supplemental Abstract Estimate for Stores required from England by the Superintending Engineer 5th Circle for the Kistna Eastern Division.

2. I have eliminated several items from the list amounting to Rupees 2122 - - and have entered only those which I consider should be obtained from England. There are many petty items valued from Rupee 1-8 - - to Rupees 50 - - in the list which might more conveniently be purchased locally, either of Country or Europe manufacture - these I have omitted. In view of all Public Works Stores being hereafter "Provincial" I have included the articles required by the Kistna Division under this head of Service.

Encloses 4 - Pattus for Elec. 7910 & detail Estimate 12-10-86

I have the honor to be,
Sir,
Your most Obedient Servant
(Sd) O'Connell
General Supt P. W. Stores

No 3444

Forwarded to the
Chief Engineer P.W.
Department.

W.H. Burton
Coll. R.E.
Supdt. Engr
2 Circle
11 October 1886.

Enclosures: 6 viz
1 orgl Indorsement No 3222 C dated
22 September 1886.
1 orgl letter from Genl Supdt
P.W. Stores No 588 dated
13 September 1886.
3 Estimates of Stores and
1 Detl & Misc.

P.W.C. No 792
8-10-86
1886

From
The General Supt P. W. Stores
Madras

To
The Superintending Engineer
2nd Circle.

Dated 7th } October 1886.
Rec'd 12
Encls: 6
No. 1801

Submits supplemental
Abstract Estimates for stores re-
=quired from England by the
Superintending Engineer 2nd Circle
for the Kistna Eastern Division.

SKW.

PUBLIC WORKS DEPARTMENT.

1

No 2744 Wa/ 18th Octr/86.

B/

PROCEEDINGS OF THE MADRAS GOVERNMENT.

READ the following

From the Chief Engineer for Irrigation No. 77 Gw. dated 15th Septr 1886
Memo to the General Supt P. W. Stores No. 3222 C dated 22nd Septr 1886
From the Supg. Engineer 2 Circle No. 3444 dated 11th October/86

Ordered that the supplemental abstract estimate of stores required for the Kistna Eastern Division as prepared by the General Supt P. W. Stores be forwarded to the Govt of India in continuation of no. 2583 W dated 1st Octr 1886

H. E. No. 2745 Wa/. 18th Octr/86

Forwarded.

Lee
14/10/86

To
The Supg. Engr II Circle
" do. do. V Circle
" Chief Engineer for Irrign

Jcu
14/10/86.

№ 2744 Way 18th Oct/86
2745