*Proceedings of the Madras Government, Revenue Department,*
*19th August* 1872.

No. 144. Read the following letter from the Superintendent of Revenue Survey, to the Secretary to Government. Revenue Department, Fort St. George, dated 8th August

I have the honour to submit a fresh estimate for Scientific Instruments and Stores required for the use of the Revenue Survey Department for the year 1873-74 on account of the general service of the Government of India.

2. Form D, or Classification of Instruments and Stores, accompanies the estimate.

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No. 145. ORDER THEREON, 19th August 1872, No. 1,216.

Miscellaneous.

ORDERED to be forwarded to the Government of India with reference to the Financial Proceedings of that Government, dated 12th January 1872, No. 144.

(True Extract.)

(Signed) W. HUDLESTON,
*Secretary to Government.*

To the Superintendent of Revenue Survey.

Exd. F. R. Bantleman.

No. 1584/47

Revenue Survey Office.
Chepauk
8th August 1872.

From

The Superintendent Revenue Survey.

To

The Secretary to Government,

Revenue Department.

SIR,

With reference to G. O. No. 1016 J the 1st July last, I have the honour to submit a fresh estimate for Scientific Instruments & Stores required for the use of the Revenue Survey Department for the year 1873/74 on account of the General Service of the Government of India.

2/ Form D. or Classification of Instruments & Stores accompanies the Estimate.

I have the honour to be
Sir,
Your most Obdt. Servant.
J Pringle Colonel
Superintendent Rev Survey.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Premiere ——— lbs | 4 | 5 | 5 | 50 | 1/4 | 12 1/2 | | Anticipated increase for Photozincography — |
| Stones Lithographic | | | | | | | | |
| Best german 40 x 28 x 4 1/4 two pieces No 2 | " | 36 | " | 36 | 50 | 1800 | | |
| Tympans | | | | | | | | |
| Leathers best 72 x 38 inches — No | " | 4 | " | 2 | 33 | 66 | | |
| do do 50 x 30 inches — do | " | 16 | " | 10 | 18 1/2 | 185 | | |
| do do 24 x 36 inches do | " | 6 | " | 2 | 10 1/2 | 21 | | |
| Zinc 54 x 36 inches ——— do | " | 12 | " | " | " | " | | |
| do 40 x 28 inches ——— do | " | 24 | " | " | " | " | | |
| do 36 x 26 inches ——— do | " | 6 | " | " | " | " | | |

Revenue Survey Office
Chepauk
8th August 1872 —

1st/ F. Priestley Col.
Supdt Revenue Survey —

£0 532 — " 50 5/ 33

## Colours.

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Paris black (best) | lbs | 6 | 6 | " | * 8 | 5 | 40 | | * Provision for anticipated increase of work. |
| Chinese blue (finest) | do | 5 | 6 | " | ⊗ 6 | 2½ | 15 | | |
| Permanent White | do | " | " | × 8 | * 24 | ¼ | 6 | | × Purchased from octr 1871 to 31st March 1872 used |
| Burnt Sienna | do | " | " | × 2½ | * 12 | ¾ | 9 | | experimentally for printing in colors – |
| Indian yellow | do | " | " | × 1½ | * 15 | 16 | 240. | | |
| Carmine French in powder | do | " | " | " | * 2 | 15 | 30 | | ⊗ For Chromo Lithography – |
| Crimson Lake (best) | do | " | " | × 1 | ⊗ 2 | | | | Not procurable. |
| Green dark | do | " | " | " | * 10 | | | | |
| Calcined black | Barrels | 3 | 6 | " | 3 | 10½ | 31½ | | |

## Gums

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Gum Arabic | lbs | 45 | 50 | 50 | 60 | ½ | 30 | |
| Shell lac refined | do | 7½ | 8 | 8 | A 15 | 4½ | 67½ | A Anticipated increase for Photozincography – |
| Mastic refined | do | 7¾ | | | | | | |

## Levigator

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 15 inches diameter | | " | " | " | 2 | 30 | 60 | Indented for 1872/73 not yet received – |

## Oil

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Linseed | Gallons | 7 | 8 | 8 | A 12 | 3¾ | 45 | |

## Plate

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Zinc for Zincography 40×28 | No | " | " | 12 | 36 | | | Not procurable – |

## Pens.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Perry's Lithographic for transfer paper work | Cards | 40 | 235 | " | 20 | ½ | 30 | |

## Presses.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Lithographic with all the latest improvements and fitted with registering machines for Color printing and to print from Stones 40×28 | No | " | 2 | " | 1 | 320 | 320 | |
| Glazing machine 30 inches wide with two polished Copper plates 4"×29" | | " | " | " | 1 | | | Not procurable. Required for smoothening Transfer paper and for Photozincography – |

## Rollers.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Best French for lining with leather handles Complete – 18" | No | " | 12 | " | * 24 | 15 | 360 | * For Chromo Lithography – |

## Scrapers bone end.

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 35×3/4×1 inches | | " | 12 | " | " | " | " | |
| 28½×3×1 inches | No | " | 80 | " | 20 | 2½ | 50 | |
| 22×3×1 inches | | " | 18 | " | 20 | 2 | 40 | |
| 18×2 ½×1 inches | | " | 18 | " | 24 | 1½ | 36 | |
| Soap hard Curd | lbs | 16½ | 17 | 17 | A 20 | 1 | 20 | A Anticipated increase for Photozincography – |
| Stones polishing Snakestone 2 lbs | No | 30 | 40 | " | 40 | ½ | 20 | |

Estimate for Scientific Instruments and Stores required for the use of Revenue Survey Deptt for the year 1873/74 on account of the General Service of the Government of India.

| Description of Stores. | Receivd during the years — 1869/70 | 1870/71 | 1871/72 | Number estimated for 1873/74. | Approximate Rate | Value | Remarks. |
|---|---|---|---|---|---|---|---|
| **Surveying and drawing Instruments** | | | | | | | |
| **Chains with arrows.** | | | | | | | |
| Gunters | 578 | 300 | 500 | 100 | 6 | 600 | |
| 100 feet | 148 | 100 | 200 | " | " | " | |
| **Compasses Prismatic with Stands** | | | | | | | |
| Prismatic | " | 18 | " | 4 | 27½ | 110 | |
| Surveying | " | 6 | 12 | " | " | " | |
| **Colors spare** | | | | | | | |
| Burnt Sienna — Cakes | 36 | " | 40 | 12 | 2 | 24 | |
| Crimson Lake — do | " | " | " | *24 | ¾ | 18 | * Issued in 1869/70 — "<br>70/71 — 12<br>71/72 — 26. |
| Prussian Blue (Newmans) do | 12 | 32 | 12 | 12 | 2 | 24 | |
| Indigo | " | " | " | " | " | " | |
| Burnt umber | " | 20 | " | " | " | " | |
| Gamboge | 12 | " | " | " | " | " | |
| Carmine | " | 15 | " | " | " | " | |
| **Mathematical Instruments —** | | | | | | | |
| Drawing in boxes 1st Size with Pr. Compasses | " | " | " | *3 | 30 | 90 | * Issued in 1871/72 — 2 |
| do in polished Cases | " | " | " | *50 | ¾ | 37½ | * do 1871/72 — 2<br>The quantity estimated for is required to replace those in use for the last 4 years — |
| **Pens drawing** | | | | | | | |
| Drawing | 73 | 200 | " | " | " | " | |
| Road or double | " | 3 | " | *20 | 5 | 100 | * Issued in 1871/72 — 4<br>The quantity estimated for is actually required for the Lithog[e] deptt. |
| Setting | " | " | " | " | " | " | |
| **Rules flat brass** | | | | | | | |
| Plain 4 feet | " | " | " | *2 | Not procurable | | * Weight about 6 lbs each. None of this size in use — |
| Or Rollers | " | " | 10 | " | " | " | |
| **Rules parallel ebony.** | | | | | | | |
| Six inches | " | " | " | *50 | ½ | 25 | * Issued in 1869/70 — 24<br>70/71 — 0<br>71/72 — 36. |
| **Lithographic Apparatus & Stores —** | | | | | | | |
| Beds elastic | | | | | | | |
| 63 × 36 inches | " | 3 | " | 2 | 6 | 12 | |
| 45 × 30 inches | " | 24 | " | 12 | 3½ | 42 | |
| 33 × 24 inches | " | 3 | " | 5 | 2 | 10 | |
| **Boards** | | | | | | | |
| Glazed mill boards double royal size | 450 | " | 450 | *100 | Not procurable | | * As per sample attached. |
| **Cloth** | | | | | | | |
| Long cloth 1 yard wide — yard | 500 | 520 | 580 | 600 | ¼ | 150. | |

Copy

Enclosure to letter
No 1584/47 of 8th Sept/72

Rec: No 2620/72-

R & O 19th August/72
No 1216

Revenue 1872 Dept
From No 2620
The Superintendent
Rev Survey
To
The Secretary to Govt
Rev Department
Dated 8th
Dept. do August/72
Received 12
Enclosure 1
No 1584
Subject
Submits a Fresh estimate
for Scientific Instruments
& stores for the use of the
Rev Survey Department
for the year 1873/74

W Sayer

With Order
No 1216 - 17th August 72

No 1216
Ordered to be forwarded
to the Govt of India with reference
to the Financial Proceedings of that
Govt dated 12th January 1872 No 144.

19 Augt 72

Govt of India - Dept. of Mss. 19 Augt
with Estimate

No 13 Mr Supdt of Rev Survey - Dec 22nd August/72.

No 144-145

Secy/1618