

2ND JULY 1888, No. 1969 W., PUBLIC WORKS.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

General.  
Account.

Read—the following papers :—

|                                                            |                                             |
|------------------------------------------------------------|---------------------------------------------|
| From the Superintending Engineer,                          | I Circle, dated 11th May 1888, No. 95, G.L. |
| " " " I " " 22nd " " " 95, V.Z.                            |                                             |
| " " " II " " 22nd and 24th May 1888 (two state-<br>ments). |                                             |
| " " " III " " 30th April 1888 (three statements).          |                                             |
| " " " IV " " 9th May " No. 174, E.W.                       |                                             |
| " " " V " " 6th June " " 952.                              |                                             |
| " " " V " " " " " 953.                                     |                                             |
| " " " V " " " " " 954.                                     |                                             |
| " " " V " " " " " 955.                                     |                                             |
| " " " VI " " " " " 957.                                    |                                             |
| " " " VI " " " 6th May " " 131, T.C.                       |                                             |
| " Consulting Architect to Government " 10th " " " 212.     |                                             |

## ENCLOSURES.

## A.—STATEMENT showing the amounts applied for and those granted under Imperial—Military and Civil Works.

| Divisions.                                     | AMOUNTS APPLIED FOR |       |              |            |       |           |       |              |            |       | AMOUNTS ALLOTTED. |     |              |            |       |           |       |              |            |       |
|------------------------------------------------|---------------------|-------|--------------|------------|-------|-----------|-------|--------------|------------|-------|-------------------|-----|--------------|------------|-------|-----------|-------|--------------|------------|-------|
|                                                | Minor Works.        |       |              |            |       | Repairs.  |       |              |            |       | Minor Works.      |     |              |            |       | Repairs.  |       |              |            |       |
|                                                | Military.           |       | Civil Works. |            |       | Military. |       | Civil Works. |            |       | Military.         |     | Civil Works. |            |       | Military. |       | Civil Works. |            |       |
|                                                | RS.                 | RS.   | Postal.      | Telegraph. | Salt. | RS.       | RS.   | Postal.      | Telegraph. | Salt. | RS.               | RS. | Postal.      | Telegraph. | Salt. | RS.       | RS.   | Postal.      | Telegraph. | Salt. |
| Ganjam ..                                      | 1,120               | ..    | ..           | ..         | ..    | 1,000     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | 1,000     | ..    | ..           | ..         | ..    |
| Rushikulya ..                                  | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Vizagapatam ..                                 | ..                  | ..    | ..           | ..         | ..    | 7,100     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | 5,000     | ..    | ..           | ..         | ..    |
| Godavari, Eastern ..                           | ..                  | ..    | ..           | ..         | ..    | 2,700     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Do. Central ..                                 | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Do. Western ..                                 | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Kistna, Eastern ..                             | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Do. Western ..                                 | ..                  | ..    | ..           | ..         | ..    | 300       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Nellore ..                                     | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Buckingham Canal ..                            | ..                  | ..    | ..           | ..         | ..    | 52,985    | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Bellary ..                                     | 2,500               | ..    | ..           | ..         | ..    | 600       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Cuddapah ..                                    | ..                  | ..    | ..           | ..         | ..    | 600       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Kurnool ..                                     | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Nilgiri ..                                     | 2,500               | ..    | ..           | ..         | ..    | 34,400    | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| West Coast ..                                  | 1,290               | ..    | ..           | ..         | ..    | 26,000    | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Coimbatore ..                                  | 500                 | ..    | ..           | ..         | ..    | 7,000     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| North Arcot ..                                 | 3,970               | ..    | ..           | ..         | ..    | 2,000     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Chingleput ..                                  | ..                  | ..    | ..           | ..         | ..    | 180       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| South Arcot ..                                 | 13,300              | ..    | ..           | ..         | ..    | 30,000    | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Presidency ..                                  | 20,000              | ..    | ..           | ..         | ..    | 1,75,000  | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Tanjore ..                                     | ..                  | ..    | ..           | ..         | ..    | 500       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Nagapatam ..                                   | ..                  | ..    | ..           | ..         | ..    | 180       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Trichinopoly ..                                | ..                  | ..    | ..           | ..         | ..    | 5,000     | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Madura ..                                      | ..                  | ..    | ..           | ..         | ..    | 240       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Tinnevely ..                                   | ..                  | ..    | ..           | ..         | ..    | 600       | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Architect ..                                   | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Officers commanding divisions and districts .. | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Inspector-General of Ordnance ..               | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Director-General of Telegraphs ..              | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Reserve with the Government ..                 | ..                  | ..    | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    | ..                | ..  | ..           | ..         | ..    | ..        | ..    | ..           | ..         | ..    |
| Total ..                                       | 45,524              | 3,954 | 635          | ..         | ..    | 3,46,355  | 8,883 | 2,710        | ..         | ..    | 7,641             | ..  | 4,000        | ..         | ..    | 2,97,630  | 7,000 | 4,000        | ..         | ..    |

\* Excludes Rs. 2,370 allotted in G.O. No. 1267 W., dated 1st May 1888.

† Includes provision of funds promised in G.Os. Nos. 76 W. and 1640 W., dated 10th January and 5th June 1888.

## B.—STATEMENT of requirements on account of Imperial incomplete works of 1887-88 and of new works sanctioned, but not commenced.

| Division.   | Item No. | Name of work.                                                                                                | Amount of estimate. | Number and date of sanction.                | Past expenditure. | Balance of estimate. | AMOUNTS APPLIED FOR, FOR 1888-89. |                         |                        |                         | AMOUNTS ALLOTTED       |                         |                        |                         | Item No. | Remarks.                                                                                           |
|-------------|----------|--------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-------------------|----------------------|-----------------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|------------------------|-------------------------|----------|----------------------------------------------------------------------------------------------------|
|             |          |                                                                                                              |                     |                                             |                   |                      | For in-complete works.            | For new complete works. | For in-complete works. | For new complete works. | For in-complete works. | For new complete works. | For in-complete works. | For new complete works. |          |                                                                                                    |
| 1           | 2        | 3                                                                                                            | 4                   | 5                                           | 6                 | 7                    | 8                                 | 9                       | 10                     | 11                      | 12                     | 13                      |                        |                         |          |                                                                                                    |
| Architect   | 1        | IMPERIAL.<br>CIVIL WORKS.<br>Minor Works.                                                                    | RS.                 | ..                                          | ..                | ..                   | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 1        | No appropriation necessary under Code para. 1908, Part III.                                        |
|             | 2        | Alterations and improvements to the outside latrine of the Central Telegraph office, Madras.                 | 80                  | ....                                        | 56                | 24                   | 24                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 2        |                                                                                                    |
|             | 3        | Providing colored glass, including frames, &c., to the Superintendent's bath-room, Telegraph office, Madras. | 205                 | ....                                        | 154               | 51                   | 51                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 3        |                                                                                                    |
|             |          | Ceiling with teak planking the bedroom of the Superintendent of Telegraphs, Madras.                          | 411                 | ....                                        | 138               | 273                  | 273                               | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 4        | No funds are available.                                                                            |
|             |          | Total ..                                                                                                     | ..                  | ....                                        | ..                | ..                   | 348                               | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 5        | From minor works grant, vide G.O. No. 1228 W., dated 26th April 1888. Revised estimate is awaited. |
| Ganjam      | 4        | Major Works.—NIL.<br>IMPERIAL.<br>MILITARY WORKS.<br>Minor Works.                                            | ..                  | ..                                          | ..                | ..                   | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 6        | No funds are available.                                                                            |
|             | 5        | Constructing a Commissariat store-room and office in the compound of the Military hospital at Berhampore.    | 2,290               | G.O. No. 3167 W., dated 22nd November 1887. | ..                | 2,290                | ..                                | 2,290                   | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 7        | Do.                                                                                                |
|             | 6        | Constructing a new school-house for the Native Infantry Regiment at Berhampore.                              | 1,390               | G.O. No. 3536 W., dated 10th December 1883. | ..                | 1,390                | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 8        | Do.                                                                                                |
| Vizagapatam | 7        | Extension of the main drain of the regimental lines at Berhampore.                                           | ..                  | ....                                        | ..                | ..                   | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 9        | Do.                                                                                                |
|             | 8        | Magazine for the 16th Regiment, Native Infantry, at Vizianagrum.                                             | 1,530               | G.O. No. 278 W., dated 5th February 1885.   | ..                | 1,530                | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 10       | Do.                                                                                                |
|             | 9        | Additions to the regimental hospital at Vizianagrum.                                                         | 515                 | G.O. No. 179 W., dated 21st January 1884.   | ..                | 515                  | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 11       | Do.                                                                                                |
|             |          | Improvements to the hospital of the 16th Regiment, Native Infantry, at Vizianagrum.                          | 545                 | G.O. No. 1746 W., dated 16th July 1884.     | ..                | 545                  | ..                                | ..                      | ..                     | ..                      | ..                     | ..                      | ..                     | ..                      | 12       | Do.                                                                                                |

## B.—Statement of requirements on account of Imperial incomplete works of 1887-88, &amp;c.—cont.

| Division. | Item No. | Name of work.                                                                                                       | Amount of estimate. | Number and date of sanction.                | Past expenditure. | AMOUNTS APPLIED FOR, FOR 1888-89. |                        |                | AMOUNTS ALLOTTED       |                | Item No. | Remarks.                                                                                  |
|-----------|----------|---------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-------------------|-----------------------------------|------------------------|----------------|------------------------|----------------|----------|-------------------------------------------------------------------------------------------|
|           |          |                                                                                                                     |                     |                                             |                   | Balance of estimate.              | For in-complete works. | For new works. | For in-complete works. | For new works. |          |                                                                                           |
| 1         | 2        | 3                                                                                                                   | 4                   | 5                                           | 6                 | 7                                 | 8                      | 9              | 10                     | 11             | 12       | 13                                                                                        |
| Bellary   |          | IMPERIAL.—cont.<br>Military Works.—cont.                                                                            | RS.                 |                                             | RS.               | RS.                               | RS.                    | RS.            | RS.                    | RS.            |          |                                                                                           |
|           | 10       | Compound wall for the quarters of the army hospital corps at Bellary.                                               | 1,346               | G.O. No. 790 W., dated 31st March 1885.     | ..                | 1,346                             | ..                     | 1,346          | ..                     | ..             | 10       |                                                                                           |
|           | 11       | Compound wall with two gates to enclose the female hospital attached to the station hospital at Bellary.            | 1,300               | G.O. No. 3662 W., dated 20th December 1883. | ..                | 1,300                             | ..                     | 1,300          | ..                     | ..             | 11       |                                                                                           |
|           | 12       | Compound wall for the medical subordinate's quarters at the station hospital, Bellary.                              | 535                 | G.O. No. 611 W., dated 6th March 1884.      | ..                | 535                               | ..                     | 535            | ..                     | ..             | 12       | No funds are available.                                                                   |
|           | 13       | Enlarging a well in the cantonment at Bellary.                                                                      | 854                 | G.O. No. 2949 W., dated 9th December 1885.  | ..                | 854                               | ..                     | 854            | ..                     | ..             | 13       |                                                                                           |
|           | 14       | Providing pipes to carry off rain water from the roofs of the buildings occupied by the Royal Artillery at Bellary. | 1,690               | G.O. No. 863 W., dated 19th March 1887.     | ..                | 1,690                             | ..                     | 1,690          | ..                     | ..             | 14       |                                                                                           |
|           | 15       | Gratings for wash-houses, Bellary.                                                                                  | ..                  | ....                                        | ..                | ..                                | ..                     | 220            | ..                     | ..             | 15       | From minor works grant, vide G.O. No. 1758 W., dated 13th June 1888.                      |
|           | 16       | Constructing a dining shed for the patients in the lock hospital, Bellary.                                          | 511                 | G.O. No. 1511 W., dated 4th June 1887.      | 51                | 460                               | 623                    | ..             | ..                     | ..             | 16       | The cost should be debited to cantonment funds; not to military works grant.              |
|           | 17       | Reconstructing the compound wall round the forage yard of the S/1st Royal Artillery at Bellary.                     | 1,609               | G.O. No. 96 W., dated 11th January 1888.    | 486               | 1,123                             | 1,123                  | ..             | 1,123                  | ..             | 17       | From minor works grant.                                                                   |
|           | 18       | Constructing three platforms for stacking grass for the horses of the S/1st Royal Artillery at Bellary.             | 1,489               | G.O. No. 417 W., dated 6th February 1888.   | 244               | 1,245                             | 1,245                  | ..             | ..                     | ..             | 18       | No funds can be provided until receipt of reply to G.O. No. 1666 W., dated 6th June 1888. |
|           | 19       | Disbanding and re-roofing the coffee shop, Royal Artillery, at Bellary with Mangalore tiles.                        | 1,063               | G.O. No. 167 W., dated 20th January 1886.   | 948               | 115                               | 607                    | ..             | 607                    | ..             | 19       | From minor works grant.                                                                   |
|           | 20       | Ammunition boxes ..                                                                                                 | 585                 | G.O. No. 1052 W., dated 7th April 1888.     | ..                | 585                               | ..                     | 585            | ..                     | 585            | 20       | From minor works grant, vide G.O. No. 75 W., dated 9th January 1888.                      |
|           | 21       | Laying 2-inch pipes from the drinking cistern to the station hospital at Wellington.                                | 2,226               | G.O. No. 893 W., dated 2nd April 1886.      | 686               | 1,540                             | 1,540                  | ..             | 1,540                  | ..             | 21       | From minor works grant.                                                                   |

|            |    |                                                                                                                                                   |       |                                              |     |       |       |       |       |     |    |                                                                                                                                                       |
|------------|----|---------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|-----|-------|-------|-------|-------|-----|----|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Ndgri      | 22 | Ammunition boxes                                                                                                                                  | ..    | ..                                           | ..  | ..    | ..    | 390   | ..    | ..  | 22 | From minor works grant, vide G.O. No. 1158 W., dated 17th April 1888.                                                                                 |
|            | 23 | Providing cooking stoves for staff sergeants' quarters at Wellington.                                                                             | 536   | G.O. No. 1476 W., dated 11th June 1886.      | ..  | 536   | ..    | 536   | ..    | ..  | 23 |                                                                                                                                                       |
|            | 24 | Leveling the rifle range at Wellington.                                                                                                           | 1,050 | G.O. No. 2492 W., dated 21st September 1887. | ..  | 1,050 | ..    | 1,050 | ..    | ..  | 24 | No funds are available.                                                                                                                               |
|            | 25 | Reconstructing the compound wall of the lock hospital, Wellington.                                                                                | 1,085 | G.O. No. 612 W., dated 21st February 1888.   | ..  | 1,085 | ..    | 1,085 | ..    | ..  | 25 | The Government of India have decided that the cost should not be debited to the grant for military works, vide G.O. No. 1677 W., dated 7th June 1888. |
|            | 26 | Alterations and Improvements to No. V barrack at Wellington for providing Regimental Institutes.                                                  | ..    | ....                                         | ..  | ..    | ..    | 525   | ..    | ..  | 26 | No funds are available.                                                                                                                               |
|            | 27 | Constructing a slaughter-house and hanging shed at the West Hill barracks, Calicut.                                                               | 1,954 | G.O. No. 2548 W., dated 2nd November 1885.   | 885 | 1,059 | 1,059 | ..    | 1,059 | ..  | 27 |                                                                                                                                                       |
|            | 28 | Converting into a bakery the cook-room at the West Hill barracks, Calicut.                                                                        | 1,010 | G.O. No. 2740 W., dated 16th November 1885.  | 407 | 603   | 603   | ..    | 603   | ..  | 28 | From minor works grant.                                                                                                                               |
|            | 29 | Converting the beer godown at Malapuram into a gymnasium-shed.                                                                                    | 790   | G.O. No. 348 W., dated 13th February 1885.   | ..  | 790   | ..    | 790   | ..    | ..  | 29 | No funds are available.                                                                                                                               |
|            | 30 | Providing ammunition boxes to the Military buildings in the West Coast division.                                                                  | 600   | G.O. No. 1158 W., dated 17th April 1888.     | ..  | 600   | ..    | 600   | ..    | 600 | 30 | From minor works grant, vide G.O. No. 1158 W., dated 17th April 1888.                                                                                 |
|            | 31 | Constructing two servants' room and stables for the quarters occupied by the Assistant Apothecary, station hospital, West Hill barracks, Calicut. | 606   | G.O. No. 3305 W., dated 3rd December 1887.   | ..  | 606   | ..    | 606   | ..    | ..  | 31 |                                                                                                                                                       |
|            | 32 | Constructing a platform and pump for a well at the Malapuram barracks.                                                                            | 1,110 | G.O. No. 1034 W., dated 2nd May 1885.        | ..  | 1,110 | ..    | 1,110 | ..    | ..  | 32 |                                                                                                                                                       |
|            | 33 | Constructing a permanent verandah for the Quartermaster's stores, Native Infantry Regiment, Mangalore.                                            | 630   | G.O. No. 1648 W., dated 1st July 1884.       | ..  | 630   | ..    | 630   | ..    | ..  | 33 |                                                                                                                                                       |
|            | 34 | Substituting asphalt for chunan in the flooring of the wards and surgery of the hospital attached to the Native Infantry Regiment, Mangalore.     | 695   | G.O. No. 1647 W., dated 1st July 1884.       | ..  | 695   | ..    | 695   | ..    | ..  | 34 | No funds are available.                                                                                                                               |
|            | 35 | Flooring with tar composite the Native Infantry place-of-arms at Mangalore.                                                                       | 653   | G.O. No. 285 W., dated 6th February 1885.    | ..  | 653   | ..    | 653   | ..    | ..  | 35 |                                                                                                                                                       |
|            | 36 | Petty improvements to the regimental lines at Mangalore.                                                                                          | 671   | G.O. No. 1973 W., dated 23rd July 1887.      | ..  | 671   | ..    | 671   | ..    | ..  | 36 |                                                                                                                                                       |
|            | 37 | Constructing solitary cells attached to the barracks at Quilon.                                                                                   | 1,245 | G.O. No. 1861 W., dated 12th July 1887.      | ..  | 1,245 | ..    | 1,245 | ..    | ..  | 37 |                                                                                                                                                       |
| West Coast |    |                                                                                                                                                   |       |                                              |     |       |       |       |       |     |    |                                                                                                                                                       |

B.—Statement of requirements on account of Imperial incomplete works of 1887-88, &c.—*cont.*

| Division.      | Item No. | Name of Work.                                                                                                                                                           | Amount of estimate. | Number and date of sanction.                | Past expenditure. | Balance of estimate. | AMOUNTS APPLIED FOR, FOR 1888-89. |                |                        | AMOUNTS ALLOTTED |    | Item No.                                                                      | Remarks. |
|----------------|----------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-------------------|----------------------|-----------------------------------|----------------|------------------------|------------------|----|-------------------------------------------------------------------------------|----------|
|                |          |                                                                                                                                                                         |                     |                                             |                   |                      | For in-complete works.            | For new works. | For in-complete works. | For new works.   |    |                                                                               |          |
| 1              | 2        | 3                                                                                                                                                                       | 4                   | 5                                           | 6                 | 7                    | 8                                 | 9              | 10                     | 11               | 12 | 13.                                                                           |          |
| Presidency ..  |          | IMPERIAL— <i>cont.</i>                                                                                                                                                  | RS.                 |                                             | RS.               | RS.                  | RS.                               | RS.            | RS.                    | RS.              |    |                                                                               |          |
|                |          | MILITARY WORKS— <i>cont.</i>                                                                                                                                            |                     |                                             |                   |                      |                                   |                |                        |                  |    |                                                                               |          |
|                | 38       | Minor Works— <i>cont.</i><br>Converting a portion of lower story of regimental workshops, Fort St. George, into an armourer's shop for a regiment of European infantry. | 2,367               | G.O. No. 13 W., dated 5th January 1885.     | 664               | 1,703                | 1,703                             | ..             | 1,703                  | ..               | 38 | From minor works grant.                                                       |          |
|                | 39       | Constructing a wheat store for the Government bakery at Teynampett.                                                                                                     | 1,785               | G.O. No. 1868 W., dated 5th July 1883.      | 672               | 1,113                | 1,113                             | ..             | 1,113                  | ..               | 39 |                                                                               |          |
|                | 40       | Fixing corrugated iron roof over the passage between the hospital godowns Nos. 1 and 2 attached to the Commissary-General's Office, Madras.                             | 1,520               | G.O. No. 3026 W., dated 10th November 1887. | 240               | 1,280                | 1,280                             | ..             | 1,280                  | ..               | 40 |                                                                               |          |
|                | 41       | Works ordered to be stopped for want of funds in 1887-88.                                                                                                               | ..                  | ....                                        | ..                | ..                   | ..                                | 1,266          | ..                     | ..               | 41 | No funds are available.                                                       |          |
|                | 42       | Ammunition boxes ..                                                                                                                                                     | ..                  | ....                                        | ..                | ..                   | ..                                | 2,440          | ..                     | 2,440            | 42 | From minor works grant, <i>vide</i> G.O. No. 1378 W., dated 11th May 1888.    |          |
|                | 43       | Providing arm-racks to Nos. 1 and 2 of the married sergeants' quarters in the British Infantry barracks, Bangalore.                                                     | 466                 | G.O. No. 1248 W., dated 27th April 1888.    | ..                | 466                  | ..                                | 466            | ..                     | 466              | 43 | From minor works grant, <i>vide</i> G.O. No. 1248 W., dated 27th April 1888.  |          |
|                | 44       | Removing the walls at the west end of the old cavalry stables at Agram, Bangalore, and rebuilding them at the ends of the new stables.                                  | 749                 | G.O. No. 264 W., dated 23rd January 1888.   | ..                | 749                  | ..                                | 749            | ..                     | 749              | 44 | From minor works grant, <i>vide</i> G.O. No. 264 W., dated 23rd January 1888. |          |
| North Arcot .. | 45       | Ammunition boxes ..                                                                                                                                                     | ..                  | ....                                        | ..                | ..                   | ..                                | 70             | ..                     | 70               | 45 | From minor works grant, <i>vide</i> G.O. No. 1378 W., dated 11th May 1888.    |          |
|                | 46       | Works ordered to be put in hand in the last official year (1887-88), but on which no expenditure has been incurred.                                                     | ..                  | ....                                        | ..                | ..                   | ..                                | 1,462          | ..                     | ..               | 46 | No funds are available.                                                       |          |
| Chingleput ..  | 47       | Ammunition boxes ..                                                                                                                                                     | ..                  | ....                                        | ..                | ..                   | ..                                | 300            | ..                     | 300              | 47 | From minor works grant, <i>vide</i> G.O. No. 1378 W., dated 11th May 1888.    |          |

|              |    |                                                                                                                                                             |       |                                              |     |       |        |        |       |       |    |                                                                             |
|--------------|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------|-----|-------|--------|--------|-------|-------|----|-----------------------------------------------------------------------------|
| Trichinopoly | 48 | Altering into workshops buildings of 4th Madras Pioneers at Trichinopoly.                                                                                   | ..    | ....                                         | ..  | ..    | ..     | 1,015  | ..    | ..    | 48 | No funds are available.                                                     |
| Negapatam    | 49 | Constructing bath-rooms and kitchen to the old taluk cutcherry occupied by sergeant instructors of South Indian Railway Volunteer Rifle Corps at Negapatam. | ..    | ....                                         | ..  | ..    | ..     | 700    | ..    | 700   | 49 | From minor works grant, <i>vide</i> G.O. No. 1669 W., dated 7th June 1888.  |
|              |    | Total ..                                                                                                                                                    | ..    | ....                                         | ..  | ..    | 10,896 | 33,841 | 9,028 | 8,970 |    |                                                                             |
| Bellary.     | 50 | Ordnance.<br>Converting No. 5 division workshop in the Arsenal at Bellary into an office for the gate conductor.                                            | 1,750 | G.O. No. 1270 W., dated 19th May 1886.       | ..  | 1,750 | ..     | 1,750  | ..    | ..    | 50 | No funds are available.                                                     |
|              | 51 | Additions to the gate conductor's office attached to the Arsenal at Bellary.                                                                                | 1,464 | G.O. No. 2222-A W., dated 20th August 1887.  | ..  | 1,464 | ..     | 1,464  | ..    | ..    | 51 | No funds are available.                                                     |
|              | 52 | Erecting a verandah to the godowns north side of the Arsenal in the fort at Bellary.                                                                        | 1,985 | G.O. No. 2562 W., dated 27th September 1887. | ..  | 1,985 | ..     | 1,985  | ..    | ..    | 52 | No funds are available.                                                     |
|              | 53 | Alterations to the store-room Grand Arsenal XIII division, Fort St. George.                                                                                 | 290   | ....                                         | ..  | 290   | ..     | 290    | ..    | ..    | 53 | No funds are available.                                                     |
|              | 54 | Constructing V-shaped surface drains in rear of Ordnance lines, North Esplanade, Madras.                                                                    | 758   | G.O. No. 1453 W., dated 17th May 1888.       | ..  | 758   | ..     | 758    | ..    | ..    | 54 | Do. do. do.                                                                 |
| Presidency.  | 55 | Reconstructing the police guard-room at the Gun Carriage Factory, Madras.                                                                                   | 2,460 | G.O. No. 2705 W., dated 13th October 1887.   | ..  | 2,460 | ..     | 2,460  | ..    | 2,460 | 55 | From minor works grant, <i>vide</i> G.O. No. 972 W., dated 26th March 1888. |
|              | 56 | Extending and enclosing verandahs of steam hammer-sheds, Gun Carriage Factory, Madras                                                                       | 904   | G.O. No. 3082 W., dated 11th November 1887.  | 328 | 576   | 576    | ..     | 576   | ..    | 56 | From minor works grant.                                                     |
|              | 57 | Providing a canvas screen to the office of the Inspector-General of Ordnance, Fort St. George.                                                              | 40    | ....                                         | ..  | 40    | ..     | 40     | ..    | ..    | 57 | No funds are available.                                                     |
|              | 58 | Improvements to two gun-sheds, Gun Carriage Factory, Madras.                                                                                                | 2,420 | G.O. No. 3419 W., dated 15th December 1887.  | ..  | 2,420 | ..     | 2,420  | ..    | 2,420 | 58 | From minor works grant, <i>vide</i> G.O. No. 972 W., dated 26th March 1888. |
| Chingleput.  | 59 | Converting into a room the south-east corner of the smith's shed at the Gun Carriage Factory, Madras.                                                       | 270   | ....                                         | ..  | 270   | ..     | 270    | ..    | ..    | 59 | No funds are available.                                                     |
|              | 60 | Making an opening in the north wall of cap-room of Ordnance Department and fixing a sliding door, St. Thomas' Mount.                                        | 230   | ....                                         | ..  | 230   | ..     | 230    | ..    | ..    | 60 | Do. do. do.                                                                 |
|              | 61 | Re-roofing the cap-room of the Ordnance Department, St. Thomas' Mount.                                                                                      | 2,140 | G.O. No. 1493 W., dated 21st May 1888.       | ..  | 2,140 | ..     | 2,140  | ..    | ..    | 61 | Do. do. do.                                                                 |

## B.—Statement of requirements on account of Imperial incomplete works of 1887-88, &amp;c.—cont.

| Division.    | Item No. | Name of work.                                                                                         | Amount of estimate. | Number and date of sanction.                | Past expenditure. | AMOUNTS APPLIED FOR, FOR 1888-89. |                        |                |                        | AMOUNTS ALLOTTED |                        |                | Item No. | Remarks.                                                                 |
|--------------|----------|-------------------------------------------------------------------------------------------------------|---------------------|---------------------------------------------|-------------------|-----------------------------------|------------------------|----------------|------------------------|------------------|------------------------|----------------|----------|--------------------------------------------------------------------------|
|              |          |                                                                                                       |                     |                                             |                   | Balance of estimate.              | For in-complete works. | For new works. | For in-complete works. | For new works.   | For in-complete works. | For new works. |          |                                                                          |
| 1            | 2        | 3                                                                                                     | 4                   | 5                                           | 6                 | 7                                 | 8                      | 9              | 10                     | 11               | 12                     | 13             |          |                                                                          |
| Chingleput.  |          | IMPERIAL—cont.                                                                                        | RS.                 |                                             |                   |                                   |                        |                |                        |                  |                        |                |          |                                                                          |
|              |          | MINOR WORKS—cont.                                                                                     |                     |                                             |                   |                                   |                        |                |                        |                  |                        |                |          |                                                                          |
|              |          | Ordnance—cont.                                                                                        |                     |                                             |                   |                                   |                        |                |                        |                  |                        |                |          |                                                                          |
|              | 62       | Providing copper bolts to the magazine of the 15th Native Infantry Regiment at Pallavaram.            | 30                  | ....                                        | ..                | 30                                | ..                     | 30             | ..                     | ..               | 62                     |                |          |                                                                          |
|              | 63       | Re-modelling the lightning conductors of the expense magazine, Royal Artillery, at St. Thomas' Mount. | 1,210               | G.O. No. 2680 W., dated 31st October 1884.  | ..                | 1,210                             | ..                     | 1,210          | ..                     | ..               | 63                     |                |          |                                                                          |
|              | 64       | Improving the sergeants' quarters, reserve powder magazine, St. Thomas' Mount.                        | 585                 | G.O. No. 2557 W., dated 2nd November 1885.  | ..                | 585                               | ..                     | 585            | ..                     | ..               | 64                     |                |          | No funds are available.                                                  |
| Vizagapatam. | 65       | Improving lightning conductor to the reserve powder magazine, St. Thomas' Mount.                      | 640                 | G.O. No. 688 W., dated 5th March 1887.      | ..                | 640                               | ..                     | 640            | ..                     | ..               | 65                     |                |          |                                                                          |
|              | 66       | Providing a gate to the old laboratory compound of the small magazine, St. Thomas' Mount.             | 113                 | ....                                        | ..                | 113                               | ..                     | 113            | ..                     | ..               | 66                     |                |          |                                                                          |
|              |          | Total ..                                                                                              | ..                  | ....                                        | ..                | ..                                | 576                    | 16,385         | 576                    | 4,880            |                        |                |          |                                                                          |
|              |          | MAJOR WORKS.                                                                                          |                     |                                             |                   |                                   |                        |                |                        |                  |                        |                |          |                                                                          |
|              | 67       | Constructing a store-shed for the 16th Regiment, Madras Native Infantry, at Vizianagrum.              | 3,480               | G.O. No. 2628 W., dated 27th October 1884.  | ..                | 3,480                             | ..                     | 3,480          | ..                     | ..               | 67                     |                |          | No funds are available.                                                  |
|              | 68       | Constructing collar makers' and wheelers' shop, Royal Artillery, at Bellary.                          | 5,663               | G.O. No. 214 W., dated 3rd April 1884.      | 5,663             | ..                                | 512                    | ..             | 512                    | ..               | 68                     |                |          | From the reserve for incomplete major works.                             |
| Bellary      | 69       | Re-roofing the verandah of the married range of the European Infantry barracks at Bellary.            | 13,307              | G.O. No. 3420 W., dated 15th December 1887. | ..                | 13,307                            | ..                     | 13,307         | ..                     | ..               | 69                     |                |          | No funds are available.                                                  |
|              | 70       | Constructing quarters for three purveyors at Bellary.                                                 | 3,046               | G.O. No. 771 W., dated 7th March 1888.      | ..                | 3,046                             | ..                     | 2,000          | ..                     | ..               | 70                     |                |          | In addition to Rs. 6,500 provided in the budget. No funds are available. |
|              | 71       | Quarters for three Apothecaries at Wellington.                                                        | ..                  | ....                                        | ..                | ..                                | ..                     | 9,500          | ..                     | ..               | 71                     |                |          |                                                                          |

|            |    |                                                                                                                             |        |                                             |        |       |        |        |       |       |    |  |  |                                                                                              |
|------------|----|-----------------------------------------------------------------------------------------------------------------------------|--------|---------------------------------------------|--------|-------|--------|--------|-------|-------|----|--|--|----------------------------------------------------------------------------------------------|
| Nilgiri    | 72 | Converting Sapper hospital into quarters for two sergeant instructors of the Nilgiri Volunteer Rifles, Octadumund.          | 3,600  | G.O. No. 1068 W., dated 9th April 1888.     | ..     | 3,600 | ..     | 3,600  | ..    | ..    | 72 |  |  | No funds are available.                                                                      |
| West Coast | 73 | Quarters for three purveyors at Wellington.                                                                                 | 4,750  | G.O. No. 615 W., dated 21st February 1888.  | ..     | 4,750 | ..     | 4,750  | ..    | ..    | 73 |  |  |                                                                                              |
|            | 74 | Constructing armourer's shop ..                                                                                             | 8,248  | G.O. No. 3114 W., dated 18th November 1887. | ..     | 8,248 | ..     | 5,590  | ..    | ..    | 74 |  |  | Do.                                                                                          |
|            | 75 | Constructing a fortified post at Malapurm.                                                                                  | 25,097 | G.O. No. 3000 W., dated 9th November 1887.  | 15,324 | 9,773 | 3,820  | ..     | 3,820 | ..    | 75 |  |  | Do.                                                                                          |
| Presidency | 76 | Converting the sergeants' mess and adjacent godowns into a latrine and lavatory for single men's barracks, Fort St. George. | 11,890 | G.O. No. 1552 W., dated 20th June 1884.     | 9,754  | 2,136 | ..     | ..     | 2,206 | ..    | 76 |  |  | From the reserve for incomplete major works.                                                 |
|            | 77 | Converting the racket court, Fort St. George, into a covered gymnasium.                                                     | ..     | ....                                        | 145    | ..    | 6,168  | ..     | ..    | ..    | 77 |  |  | The question of providing funds for the work will be considered on receipt of estimate.      |
|            | 78 | Extending and raising the existing stop butt, Veyasarpady Rifle ranges, Madras.                                             | 3,860  | G.O. No. 2945 W., dated 5th November 1887.  | 2,120  | 1,740 | ..     | ..     | 1,740 | ..    | 78 |  |  | From the reserve for incomplete major works.                                                 |
|            | 79 | Constructing quarters for European station butcher, Bangalore.                                                              | ..     | ....                                        | ..     | ..    | ..     | 2,000  | ..    | 2,000 | 79 |  |  | From the reserve for incomplete major works, vide G.O. No. 2810 W., dated 20th October 1887. |
| Chingleput | 80 | Water-supply, Bangalore                                                                                                     | ..     | ....                                        | ..     | ..    | 14,446 | 52,475 | 8,278 | 2,000 | 80 |  |  |                                                                                              |
|            |    | Total ..                                                                                                                    | ..     | ....                                        | ..     | ..    | 14,446 | 52,475 | 8,278 | 2,000 |    |  |  |                                                                                              |
|            | 81 | Alterations and improvements to the barrel racks, reserve powder magazine, St. Thomas' Mount.                               | 2,505  | G.O. No. 2416 W., dated 15th October 1885.  | 882    | 1,623 | ..     | ..     | 1,623 | ..    | 81 |  |  | From the minor works grant for ordnance works.                                               |
|            |    | Total ..                                                                                                                    | ..     | ....                                        | ..     | ..    | 1,623  | ..     | 1,623 | ..    |    |  |  |                                                                                              |

ORDER—dated 2nd July 1888 No. 1969 W., Public Works.

With the papers above recorded, the Superintending Engineers and the Consulting Architect to Government submit statements of demands under Imperial Military and Civil Works, in lump sum, against each division, for minor new works and repairs, and in detail, for incomplete works of 1887-88 and for new works proposed to be undertaken in the current official year.

2. Under "Military," the demands for major original works amount to—

| Incomplete works | ... | ... | ... | ... | ... | ... | ... | RS.    |
|------------------|-----|-----|-----|-----|-----|-----|-----|--------|
| New works        | ... | ... | ... | ... | ... | ... | ... | 14,446 |
|                  |     |     |     |     |     |     |     | 52,475 |
| Total            |     |     |     |     |     |     |     | 66,921 |

while the budget grant for incomplete major works amounts to only Rs. 15,973. Of this sum, Rs. 8,278 for incomplete works and Rs. 2,000 to meet payment of the honoraria referred to in G.O. No. 2810 W., dated 20th October 1887, have been allotted; and the balance (Rs. 5,695) has been transferred, in anticipation of sanction by the Government of India, to the grant for minor works, which will then exceed the average outlay of the five previous years on such works.

3. A sum of Rs. 3,820 has been allotted for completing the conversion of certain buildings in Fort St. George into barracks for sixty single men, as the special grant applied for in para. 7 of G.O. No. 1199 W., dated 23rd April 1888, has not yet been sanctioned by the Government of India.

4. The demands for minor works, ordinary, amount to—

| Incomplete works | ... | ... | ... | ... | ... | ... | ... | RS.    |
|------------------|-----|-----|-----|-----|-----|-----|-----|--------|
| New works        | ... | ... | ... | ... | ... | ... | ... | 10,896 |
|                  |     |     |     |     |     |     |     | 33,841 |
| Total            |     |     |     |     |     |     |     | 44,737 |

and the budget grant for the purpose amounts to Rs. 20,000; but allotments, aggregating Rs. 2,489, having been already made, *vide* Proceedings of Government noted in the margin, the balance available for distribution is now Rs. 17,511. Adding to this sum, Rs. 5,695, transferred from major works, the total amount available for minor works will be Rs. 23,206. Of this sum Rs. 17,998 have been allotted for incomplete works of 1887-88 and for new works considered emergent; and the balance (Rs. 5,208) has been placed at the disposal of the officers commanding divisions and districts, to whom the Superintending Engineers should apply for funds for such works as are indispensably necessary.

5. The budget grant for minor ordnance works is Rs. 9,570. But the Director-General of Ordnance having transferred a sum of Rs. 58 to Burma, *vide* G.O. No. 1549 W., dated 25th May 1888, the balance available for allotment is Rs. 9,512, while the demands amount to Rs. 18,584 as shown below:—

| Incomplete minor works | ... | ... | ... | ... | ... | ... | ... | RS.    |
|------------------------|-----|-----|-----|-----|-----|-----|-----|--------|
| Minor new works        | ... | ... | ... | ... | ... | ... | ... | 576    |
| Incomplete major works | ... | ... | ... | ... | ... | ... | ... | 16,385 |
|                        |     |     |     |     |     |     |     | 1,623  |
| Total                  |     |     |     |     |     |     |     | 18,584 |

Allotments have been made to the extent of Rs. 7,079 for incomplete works of 1887-88 and for new works for which funds have been promised; and the balance (Rs. 2,433) has been placed at the disposal of the Inspector-General of Ordnance, to whom Superintending Engineers will apply for further funds required.

6. The amount reserved for military repairs is Rs. 3,00,000; but a sum of Rs. 2,370 having been allotted to the Godavari, Eastern Division, *vide* G.O. No. 1267-A.W., dated 1st May 1888, the amount now available is Rs. 2,97,630. As the demands under this head amount to Rs. 3,46,385, they have been reduced\* so as to bring the allotments within the available grant.

\* Statement A.

7. Under "civil works" the demands against original works, telegraphs, amount to Rs. 348; but in each case the demand is within Rs. 500, and it is on account of incomplete work of the previous year. Specific appropriation of funds is not, therefore, necessary, *vide* Code para. 1908, Part III. The budget grant of Rs. 4,000 for works under this head will, therefore, be placed at the disposal of the Director-General of Telegraphs, to whom Superintending Engineers should apply for funds, if required hereafter.

8. The allotments under postal and telegraph repairs will be found in Statement A. The demands under postal repairs have been reduced to Rs. 7,000 to bring the sum within the provision in the budget.

9. Ordered that a copy of these Proceedings be forwarded to the Government of India in the Military Department, with a request that the transfer of Rs. 5,695 from major to minor works referred to in para. 2 may be sanctioned at an early date.

(Here enter dated 2nd July 1888, No. 1970 W.)

(True Extract.)

(Signed) J. O. HASTED, Colonel, R.E.,  
Secretary to Govt., P.W.D.

To Superintending Engineers.  
To the Consulting Architect to Government.  
" Examiner, Public Works Accounts.  
" Director-General of the Post Office of India.  
" Director-General of Telegraphs.  
" Military Department.

ENDORSEMENT—dated 2nd July 1888 No. 1970 W., Public Works.

Forwarded.

(Signed) J. O. HASTED, Colonel, R.E.,  
Secretary to Govt., P.W.D.

Exd. F. R. Bantleman.  
Spare Copies

GENERAL.  
ACCOUNT.

Gobt. of {1888} Madras.  
PUBLIC WORKS.

Dated July, 2nd.

Recd.

Encl.

G.O., 2nd July 1888, Nos. 1969,  
1970 W.

JULY.

**Funds**

Forwarding copy of Proceedings distributing — under Imperial Military and Civil Works for incomplete and minor new works and repairs.

No. 750

Superintending Engineer's Office,

3RD CIRCLE

Bellary 11<sup>th</sup> July 1888.

FROM

Col. H. C. Smalley R.E.

THE SUPERINTENDING ENGINEER,

3RD CIRCLE.

TO

THE Chief Engineer

P. W. Department

Madras

SIR,

Enclosures.

I have the honor to request that further allotment of Rs. 225 in addition to the sum of Rs. 585 already sanctioned may be provided to cover the cost of Ammunition boxes required by the Officer Commanding the P.W. Light Cavalry.

I have the honor to be  
Sir

Your most Obedient Servant

H. Smalley R.E.

Superintending Engineer 3rd Circle

*[Signature]*

1969-70 W of 2-7-88

The available balance  
The available balance  
of the grant for military  
of the funds for military  
minor works having  
been placed at the  
disposal of the Officer  
Commanding District  
Commanding District

of Districts vide para  
4 of G.O. No 1969 W of 2-7-88  
July 1888 the S.E. should  
apply to the Officer  
Commanding the Ceded  
Districts for the requisite  
funds.

14.7.88

16/7/88

14/7 19/7 19/7  
To the Officer  
Commanding the Ceded  
Districts

14-7-88  
1897-98 7-88  
1897-98 7-88

P.W. C. No 6955

From  
The Superintending Engineer,  
IIIrd Circle.

To  
The Chief Engineer  
P.W.D.  
Madras

Dated 11 }  
Received 13 } July 1888

Enclosures.

No. 750.

Ammunition Boxes  
required by the Officer Com-  
manding the 2nd Light  
Cavalry

Requesting the grant  
of Rs 225 in addition to Rs  
585 already sanctioned for

with order