

(1) Number of pages \_\_\_\_\_

(2) Date of repair \_\_\_\_\_

(3) Initials of the Referencer \_\_\_\_\_

# MADRAS RECORD OFFICE.

Government of Madras.

*Public works* DEPARTMENT.

|          |          |       |
|----------|----------|-------|
| G.O. No. | 131      | Press |
|          |          | Mis.  |
| 266-267  |          |       |
| Dated    | 15 - 1 - | 1864. |

Not to be folded or roughly handled

10

---

*Proceedings of the Madras Government, Public Works Department,  
15th January 1864.*

---

No. 266. Read the following Proceedings of the Madras Government in the Military Department :—

Approving of the Plans and Estimate, amounting to } (Here enter 6th January 1864, No. 31.)  
Rupees 12,130, for putting the Sea Face of Fort Saint  
George into a more perfect state of defence.

No. 267. ORDER THEREON, 15th January 1864, No. 131.

1: Communicated to the Superintending Engineer, 4th Division, for information and guidance.

2. A sum of Rupees 5,000 will be placed at the disposal of the Superintending Engineer 4th Division, from the current year's Reserve to admit of the prosecution of the work.

(True Extract.)

(Signed) CHARLES A. ORR, Colonel, R. E.,  
Secretary to Government.

To the Superintending Engineer, 4th Division.

„ Accountant General

„ Controller and Auditor of Public Works Accounts.

Exd. S. T. Augustin.

|     |                                                                                            |   |    |    |     |   |   |
|-----|--------------------------------------------------------------------------------------------|---|----|----|-----|---|---|
| 700 | Plumbing with 8 1/2" brick in chimney & a landing, chimney, 8" flue with brick and cement. | 9 | 3  | 7  | 64  | 9 | 1 |
|     | Recovering foundation filling and leveling the walls                                       |   |    |    | 15  |   |   |
| 160 | Brick: Recovering the walls filling the same with concrete & damp well tamped with water   |   | 3  |    | 30  |   |   |
| 950 | Plt. Laying floor of 2" thick with tamped with water over the concrete                     |   | 1  | 8  | 14  | 4 |   |
|     | 2 Single bottom doors with frames new iron hinges & bolts 8"                               |   | 15 |    | 30  |   |   |
|     | 2 New cross new & bolts of 1" for door with staples                                        |   | 1  | 4  | 2   | 8 |   |
|     | 2 New padlocks, 4 inches                                                                   |   |    | 12 | 1   | 8 |   |
| 100 | Refrain 3 Cents to the door                                                                |   |    |    | 2   | 6 |   |
|     | Chimney Chaper & key holding 8"                                                            |   |    |    | 135 | 2 | 2 |

2770 . . .

*Painting*

|          |                                                                           |  |   |    |   |       |         |
|----------|---------------------------------------------------------------------------|--|---|----|---|-------|---------|
| 880      | Plt. Work, finish cutting the joint of the also finish wall and enclosure |  |   |    | 6 | 29    | 8       |
| 2515 1/2 | Plt. Brick work in chimney                                                |  |   |    | 2 | 6     | 393     |
| 287      | Plt. Brick on edge in chimney                                             |  |   |    | 7 | 3     | 15-0-10 |
| 850      | Plastering with 2 Cents a line with the walls 8"                          |  | 3 | 14 |   | 32-15 |         |

Daniel O'Neal

449.10.7 490

No. 6

Alvies Battery

|                              |                                                                                             |    |    |     |
|------------------------------|---------------------------------------------------------------------------------------------|----|----|-----|
| Early knop for removing 5019 | Plot frame of the gun with granite stone                                                    | 1  | 35 |     |
| 108                          | Plt Early knop for demolishing the platform of the old gunpit wall                          | 6  | 3  | 15  |
| 1296 1/2                     | Plt Quick work in channel                                                                   | 2  | 6  | 202 |
| 126                          | Plt Quick work in channel to the gunpit & Battery wall                                      | 3  | 3  | 9   |
| 550                          | Plating with 2 Cuts stone line to the gunpit wall                                           | 3  | 14 | 21  |
|                              | Reconstructing the foundation & filling the wall                                            |    | 3  | 8   |
| 160                          | Early knocking the wall filling the same with timber & with water                           | 3  | 30 |     |
| 1100                         | Plt Long gravel of 2 thick well tamped with water                                           | 1  | 8  | 16  |
| 960                          | Plt Clipping work across the wall                                                           | 14 | 8  | 6   |
| 48                           | Plt Cutting & filling the old granite stone in charge for the new & front access of the gun | 12 | 36 |     |
|                              | Quarry Charge & Staff Holdings &c.                                                          |    | 14 | 3   |

Carried Over

380

66 12 4

1270

No. 3

Throught Over

South East Demi-Battery

Additional Casemates & Ramps

Early knop for removing the demolished ref. with soft rock and demolishing

3 Masonry Pillar &c.

|         |                                                                                        |   |        |     |   |   |
|---------|----------------------------------------------------------------------------------------|---|--------|-----|---|---|
| 9416    | Plt Quick work in channel                                                              | 2 | 6      | 422 | 8 | 4 |
| 217     | Plt Quick work in channel outside 2 Doors                                              | 3 | 4      | 4   | 8 | 0 |
| 252 1/2 | Quick work in channel                                                                  | 3 | 10 1/2 | 61  | 1 | 2 |
| 1960    | Plt Quick work in channel to the arches ref. of the Casemates                          | 3 | 8      | 449 | 2 | 8 |
| 422 1/2 | Quick work in channel                                                                  | 3 | 10 1/2 | 402 | 5 | 8 |
|         | Containing to 1/3                                                                      |   | 135    |     |   |   |
| 695     | Plt Quick work in channel outside ramp and a building coming off the quick work in the | 9 | 10     | 51  | 9 | 6 |
| 2200    | Plating with 2 Cuts stone line to the wall &c.                                         | 3 | 14     | 85  | 4 |   |

2130

# Draught Over

459. 3 3 4900

Excavating foundation & filling the earth  
 90 Cubic Yds. Carrying the earth filling the same well tamped with water  
 900 Sft. Laying gravel 2" thick well tamped with water  
 2800 Drifting work over the earth  
 142 Sft. Cutting & fixing the old granite stones in chimneys for the rear & front views of the guns  
 Lundry Charges & Scaffolding &c.

670

## No 4 Wallajah Bastion

3112 Sft. Brick work in chimney  
 224 Sft. Brick on edge in chimney to the traverses & backing walls  
 860 Plastering with 2 coats stone lime & chunam to the traverses &c.  
 Excavating foundation and filling the earth  
 665 Cubic Yds. Carrying the earth filling the same well tamped with water  
 1 Sft. Laying gravel 2" thick well tamped with water

975 Drifting work over the earth

252 Sft. Cutting & fixing the old granite stones in chimney for the rear & front views

Lundry Charges &c.

1020

## No 5 Sea Face

Body line for removing the 16 old flat forms of the guns with granite stones  
 2900 Sft. Brick work in chimney  
 500 Sft. Brick on edge in chimney to the traverses wall  
 1600 Plastering with 2 coats stone lime to the above walls  
 Excavating foundation & filling the earth  
 192 Cubic Yds. Carrying the earth filling the same well tamped with water  
 1600 Sft. Drifting work over the earth  
 Lundry Charges &c.

740

## Sea Face Expense Magazine

3748 Sft. Body line for demolishing the old flat forms of the Sea Face Bastion

Carried Over

117 2 3 7330

Harb. Saint George  
23<sup>d</sup>. September  
1863

Wm. L. Smith  
Lieut. P. C.  
Assistant Engineer

*Total Expenses \$3,000 . . .*

3. Short heating furnaces and setting for Magazine

No. 8  
Thos. Reading Furnaces.

|                                           | D. | By | To | C. | Dr. | Cr. |
|-------------------------------------------|----|----|----|----|-----|-----|
| Excavating foundation & filling the earth |    |    |    |    | 21  |     |
| Sundry Charges                            |    |    |    |    | 7   |     |
|                                           |    |    |    |    | 25  | 102 |

seen the head in

1st / 1st

Apr. Truck work, in Chumash

2 5 284 13 10

Plt. Lively, saw few pieces of the old Granite Stones of the 6 Flat faces with masonry.

117  
 118  
 119  
 120  
 121  
 122  
 123  
 124  
 125  
 126  
 127  
 128  
 129  
 130  
 131  
 132  
 133  
 134  
 135  
 136  
 137  
 138  
 139  
 140  
 141  
 142  
 143  
 144  
 145  
 146  
 147  
 148  
 149  
 150  
 151  
 152  
 153  
 154  
 155  
 156  
 157  
 158  
 159  
 160  
 161  
 162  
 163  
 164  
 165  
 166  
 167  
 168  
 169  
 170  
 171  
 172  
 173  
 174  
 175  
 176  
 177  
 178  
 179  
 180  
 181  
 182  
 183  
 184  
 185  
 186  
 187  
 188  
 189  
 190  
 191  
 192  
 193  
 194  
 195  
 196  
 197  
 198  
 199  
 200  
 201  
 202  
 203  
 204  
 205  
 206  
 207  
 208  
 209  
 210  
 211  
 212  
 213  
 214  
 215  
 216  
 217  
 218  
 219  
 220  
 221  
 222  
 223  
 224  
 225  
 226  
 227  
 228  
 229  
 230  
 231  
 232  
 233  
 234  
 235  
 236  
 237  
 238  
 239  
 240  
 241  
 242  
 243  
 244  
 245  
 246  
 247  
 248  
 249  
 250  
 251  
 252  
 253  
 254  
 255  
 256  
 257  
 258  
 259  
 260  
 261  
 262  
 263  
 264  
 265  
 266  
 267  
 268  
 269  
 270  
 271  
 272  
 273  
 274  
 275  
 276  
 277  
 278  
 279  
 280  
 281  
 282  
 283  
 284  
 285  
 286  
 287  
 288  
 289  
 290  
 291  
 292  
 293  
 294  
 295  
 296  
 297  
 298  
 299  
 300  
 301  
 302  
 303  
 304  
 305  
 306  
 307  
 308  
 309  
 310  
 311  
 312  
 313  
 314  
 315  
 316  
 317  
 318  
 319  
 320  
 321  
 322  
 323  
 324  
 325  
 326  
 327  
 328  
 329  
 330  
 331  
 332  
 333  
 334  
 335  
 336  
 337  
 338  
 339  
 340  
 341  
 342  
 343  
 344  
 345  
 346  
 347  
 348  
 349  
 350  
 351  
 352  
 353  
 354  
 355  
 356  
 357  
 358  
 359  
 360  
 361  
 362  
 363  
 364  
 365  
 366  
 367  
 368  
 369  
 370  
 371  
 372  
 373  
 374  
 375  
 376  
 377  
 378  
 379  
 380  
 381  
 382  
 383  
 384  
 385  
 386  
 387  
 388  
 389  
 390  
 391  
 392  
 393  
 394  
 395  
 396  
 397  
 398  
 399  
 400  
 401  
 402  
 403  
 404  
 405  
 406  
 407  
 408  
 409  
 410  
 411  
 412  
 413  
 414  
 415  
 416  
 417  
 418  
 419  
 420  
 421  
 422  
 423  
 424  
 425  
 426  
 427  
 428  
 429  
 430  
 431  
 432  
 433  
 434  
 435  
 436  
 437  
 438  
 439  
 440  
 441  
 442  
 443  
 444  
 445  
 446  
 447  
 448  
 449  
 450  
 451  
 452  
 453  
 454  
 455  
 456  
 457  
 458  
 459  
 460  
 461  
 462  
 463  
 464  
 465  
 466  
 467  
 468  
 469  
 470  
 471  
 472  
 473  
 474  
 475  
 476  
 477  
 478  
 479  
 480  
 481  
 482  
 483  
 484  
 485  
 486  
 487  
 488  
 489  
 490  
 491  
 492  
 493  
 494  
 495  
 496  
 497  
 498  
 499  
 500  
 501  
 502  
 503  
 504  
 505  
 506  
 507  
 508  
 509  
 510  
 511  
 512  
 513  
 514  
 515  
 516  
 517  
 518  
 519  
 520  
 521  
 522  
 523  
 524  
 525  
 526  
 527  
 528  
 529  
 530  
 531  
 532  
 533  
 534  
 535  
 536  
 537  
 538  
 539  
 540  
 541  
 542  
 543  
 544  
 545  
 546  
 547  
 548  
 549  
 550  
 551  
 552  
 553  
 554  
 555  
 556  
 557  
 558  
 559  
 560  
 561  
 562  
 563  
 564  
 565  
 566  
 567  
 568  
 569  
 570  
 571  
 572  
 573  
 574  
 575  
 576  
 577  
 578  
 579  
 580  
 581  
 582  
 583  
 584  
 585  
 586  
 587  
 588  
 589  
 590  
 591  
 592  
 593  
 594  
 595  
 596  
 597  
 598  
 599  
 600  
 601  
 602  
 603  
 604  
 605  
 606  
 607  
 608  
 609  
 610  
 611  
 612  
 613  
 614  
 615  
 616  
 617  
 618  
 619  
 620  
 621  
 622  
 623  
 624  
 625  
 626  
 627  
 628

1890  
Brought Over  
May 1. 1890

*Brought Over*

1894

Therapeutic Battery

|                                                                                        |   |   |   |     |     |    |
|----------------------------------------------------------------------------------------|---|---|---|-----|-----|----|
| Work new floor; carrying the old granite slabs of low & flat forms to road from corner | y | . | . | .   | .42 | .  |
| <u>Cft. Brick work, in chimney</u>                                                     | . | 2 | 5 | 284 | 13  | 10 |

Plt. Only, one few facing the old Granite stones of the 6 Plat faces with masonry.

D. near the water 8 . 21 .

D. of the 6 Pisto 3 .

Occupations, foundations & filling the earth

January charges \$50

No. 8  
J. H. S. J. J. J.

1911 Peabody Committee.

3. Hot-water furnaces and boilers for Massachusetts

19140

100

|       |            |
|-------|------------|
| Total | Rs. 13,000 |
|-------|------------|

St. Louis - Mo.

101.  
 September  
 1812

862

MILITARY DEPARTMENT.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Read the following letter:—

From the Superintending Engineer 4th Division, Madras, 11th December 1863, No. 3986; to the Secretary to Government, Public Works Department.

With reference to the Proceedings of Government, No. 1732, dated 1st July 1863, I have the honor to submit for sanction Plans and Estimate amounting to Rupees 13,130 for putting the Sea Face of Fort Saint George into a more perfect state of defence.

- Enclosures.  
1 Abstract Estimate.  
1 Specification.  
2 Plans.

2. The Plans have been drawn out almost in accordance with the instructions given on the spot by His Excellency the Commander-in-Chief, by whom, however, they have subsequently been approved of; and I beg to recommend the entry of the Estimate\* in the Budget for 1864-65.

\* Rupees 13,130.

3. Under verbal orders from yourself, the works were stopped in the end of October last, up to which period the expenditure thereon had amounted to Rupees 733.

4. In the Estimate now submitted, a lump sum, Rupees 3,470, has been set down for 3 Shot-heating Furnaces, as those made wholly of Iron would probably have to be obtained from England, and their price is not known.

Referred to the Military Department, with reference to the Order in that Department, No. 2020, dated 22nd June 1863.

The Superintending Engineer 4th Division has been instructed to proceed with the work, on the understanding that, on the Estimate being sanctioned, a sum of Rupees 5,000 will be allotted from the Reserve.

CHEPAUK.  
14th December 1863.

(Signed) C. A. ORR, Colonel, R. E.,  
Secretary to Government.

ORDER, No. 34, 6th January 1864.

Approved.

(True Extract.)

*M. M. M. M. M.*  
Deputy Secretary to Government.

To the Public Works Department,

with four enclosures.

- 120 spare Copies  
,, Quarter Master General.  
,, Barrack Master.  
,, Inspector General of Ordnance.  
,, Adjutant General.  
,, Brigade Major, Fort Saint George.

Exd. T. Stubbs.

1077/66/14

2077/3770/14

M. O. No. 5314 of 1863

