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M.R.O. 1—20,002—12-8-65.

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(3) Initials of the Referencer SK 6/11/67

# MADRAS RECORD OFFICE

## GOVERNMENT OF MADRAS

Revenue DEPARTMENT

| | | |
|---|---|---|
| G.O. No. / B.P. No. | 10 | Press / Mis. |
| Dated | 1- 6. | ~~19~~6187.4 |

*Not to be folded or roughly handled*

*Proceedings of the Madras Government, Public Works Department,*
*22nd May* 1874.

No. 456. Read the following letter from R. F. CHISHOLM, Esq., F.R.I.B.A., Consulting Architect to Government, to Colonel G. W. WALKER, R.E., Secretary to Government, Public Works Department, dated Madras, 21st October 1873, No. 587 :—

I HAVE the honour to forward you detailed quantities and specification for the revised design for the first-class standard Taluq Cutcherries, dated April 1872.

2. It will save much repetition of labour if these quantities are printed and circulated to local officers; they will be found more accurate than those prepared by most Mofussil Estimators.

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## SPECIFICATION.

*Specification of Works to be performed in constructing a first-class Taluq Cutcherry, Subsidiary Jail, and Post Office—See Drawing Nos.* 1 *and* 2, *signed by Consulting Architect, dated April* 1872.

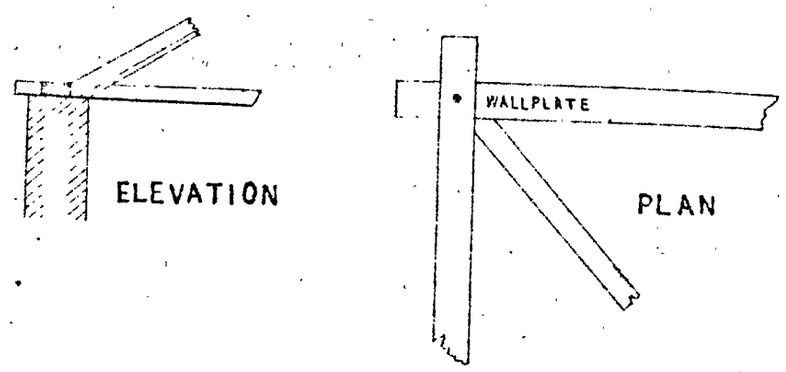
*Excavation.*—After the centre line has been pegged out and the breadths of the foundations lockspitted excavate the trenches to the full depths shown on the drawing.

*Depth.*—(See G. O., No. 1,264, 3rd May.)

*Concrete.*—(Written Order to lay concrete, do. do.)

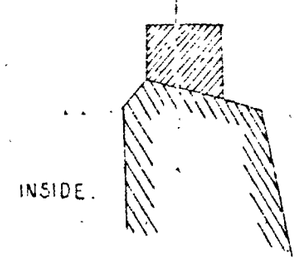
*Brickwork.*—After the concrete has been properly consolidated commence brickwork, and work to the true thickness and heights shown on the drawing.

*Roofing.*—Record-room. A wall plate 5″×4″ will run all round the upper part of the wall except where the spiral intersects the roof. This plate will be either scarped or bolted together so as to receive in the angles the thrust of the hip rafters. The angles will be halved and spiked.

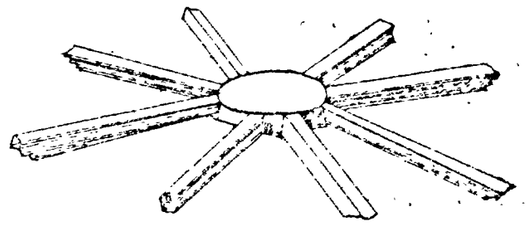



The hip rafter at the spiral angle will be bedded in the masonry of the spiral above the level of the wall-plate so as to preserve the same angle of roofing.

*Roof of Spiral.*—The curb of wood on which the spiral rests must be bolted down by eight bolts as shown on the drawing. Care must be taken to cut the underside of the curb so as to prevent the water from getting in between the wood and the masonry.

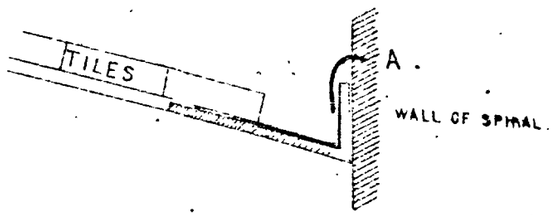



After the uprights and top pieces have been tennoned into the curb, eight horizontal pieces tennoned into a central boss will be spiked on the top.



From the ends of these rise the eight angle pieces forming the spirelet. A piece 3″ × 4″ will receive the lower weather board, after which the boards will overlap each other to the extent of 2 inches. A neatly cut roll notched to fit the weather boarding on the underside and rounded on top will run up the outer angles. A solid wood cap will carry the finial. (*Note.*—These finials can be supplied by Consulting Architect on indent.)

*Flushing at Spiral.*—Where the roof butts the spiral great care must be taken to make it watertight. Under the tiles must be placed a metal gutter 9 inches broad and 6 inches high securely fastened to ¾ inch boarding.




About 1 inch above the gutter, metal "flashing" must be placed in a chiselled groove in the masonry and turned down into the gutter.

For all the particulars regarding materials, trusses, and carpentry, see specification circulated with G. O., No. 2,906, dated 16th November 1871.

(Signed) R. F. CHISHOLM, F.R.I.B.A.,
*Consulting Architect to Government.*

*Proceedings of the Madras Government, Public Works Department,*
*22nd May* 1874.

ESTIMATE FOR CONSTRUCTING A TALUQ CUTCHEERY, SUBSIDIARY JAIL, AND POST OFFICE WITH OUT-HOUSES.

*Detailed Quantities.*

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Excavation for foundations.* | | | | | | |
| Court-house and Post Office.—Outer walls | 1 | 156 0 | 5 0 | 4 0 | 3,120 | |
| Partitions | 2 | 14 6 | 5 0 | 4 0 | 580 | |
| Do. | 1 | 6 6 | 3 10 | 4 0 | 100 | |
| Verandah | 1 | 35 10 | 3 10 | 4 0 | 549 | |
| Steps | 1 | 21 0 | 3 0 | 1 0 | 63 | |
| Clerks' rooms—Front wall | 1 | 29 0 | 5 0 | 4 0 | 580 | |
| Rear do. | 1 | 38 0 | 5 0 | 4 0 | 760 | |
| Partition | 1 | 14 6 | 5 0 | 4 0 | 290 | |
| Do. | 1 | 13 3 | 5 0 | 4 0 | 265 | |
| Turret | 1 | 12 0 | 12 0 | 6 0 | 864 | |
| Sheristadar and Cashier.—Front wall | 1 | 24 9 | 5 3 | 4 0 | 520 | |
| Rear do. | 1 | 27 9 | 5 3 | 4 0 | 583 | |
| Partition | 1 | 14 0 | 4 9 | 4 0 | 266 | |
| Do. | 1 | 26 6 | 5 0 | 4 0 | 530 | |
| Public hall—Front and ends | 1 | 38 6 | 5 0 | 4 0 | 770 | |
| Steps | 1 | 18 0 | 3 0 | 1 0 | 54 | |
| Back Verandah | 1 | 32 1 | 3 10 | 4 0 | 492 | |
| Inspector and Police.—Front, rear, and end | 1 | 51 0 | 5 0 | 4 0 | 1,020 | |
| Partition | 1 | 14 6 | 4 9 | 4 0 | 276 | |
| Covered way | 2 | 26 6 | 3 10 | 4 0 | 813 | |
| Jail—Outer walls | 1 | 139 6 | 5 0 | 4 0 | 2,790 | |
| Partitions | 3 | 11 6 | 4 9 | 4 0 | 656 | |
| | | | | C. feet. | 15,941 | |
| | | | | C. yds. | | 590 |
| *Concrete 12″ thick.* | | | | | | |
| Excavation ÷ 4 = | | ..... | ..... | ..... | C. yds. | 147½ |
| *Brickwork in foundations—footings.* | | | | | | |
| Court-house and Post Office.—Outer walls | 1 | 156 0 | 2 10 | 1 6 | 663 | |
| Partitions | 2 | 16 8 | 2 10 | 1 6 | 142 | |
| Do. | 1 | 8 8 | 1 10 | 1 6 | 24 | |
| Clerks' rooms—Verandah | 1 | 38 0 | 1 10 | 1 6 | 105 | |
| Front wall | 1 | 31 2 | 2 10 | 1 6 | 132 | |
| Rear do. | 1 | 38 0 | 2 10 | 1 6 | 162 | |
| Partition | 1 | 16 8 | 2 10 | 1 6 | 71 | |
| Do. | 1 | 15 8 | 2 10 | 1 6 | 67 | |
| Turret | 1 | 9 10 | 9 10 | 1 6 | 145 | |
| Sheristadar and Cashiers.—Front wall | 1 | 26 8 | 3 1 | 1 6 | 123 | |
| Rear do. | 1 | 29 11 | 3 1 | 1 6 | 138 | |
| Partition | 1 | 16 2 | 2 7 | 1 6 | 63 | |
| Do. | 1 | 24 4 | 2 10 | 1 6 | 103 | |
| Public hall—Front and ends | 1 | 40 8 | 2 10 | 1 6 | 173 | |
| Back Verandah | 1 | 34 3 | 1 10 | 1 6 | 94 | |
| Inspector and Police.—Front, rear, and end | 1 | 34 2 | 2 10 | 1 6 | 230 | |
| Partition | 1 | 16 8 | 2 7 | 1 6 | 65 | |
| Covered way | 2 | 28 8 | 1 10 | 1 6 | 158 | |
| Jail—Outer walls | 1 | 139 6 | 2 10 | 1 6 | 593 | |
| Partitions | 3 | 13 8 | 2 7 | 1 6 | 159 | |

*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Above Footings.* | | | | | | |
| Court-house and Post Office. Outer walls | 1 | 156 0 | 1 6 | 1 6 | 351 | |
| Partitions | 2 | 18 0 | 1 6 | 1 6 | 81 | |
| Do. | 1 | 10 0 | 0 10 | 1 6 | 13 | |
| Verandah | 1 | 39 4 | 0 10 | 1 6 | 49 | |
| Steps | 1 | 21 0 | 3 0 | 0 9 | 47 | |
| Clerks' rooms ... Front wall | 1 | 32 6 | 1 6 | 1 6 | 73 | |
| Rear do. | 1 | 38 0 | 1 6 | 1 6 | 86 | |
| Partition | 1 | 18 0 | 1 6 | 1 6 | 41 | |
| Do. | 1 | 17 0 | 1 6 | 1 6 | 38 | |
| Turret | 1 | 8 6 | 8 6 | 3 0 | 217 | |
| Sheristadar and Cashier. Front wall | 1 | 29 6 | 1 9 | 1 6 | 77 | |
| Rear wall | 1 | 31 3 | 1 9 | 1 6 | 82 | |
| Partition | 1 | 17 6 | 1 3 | 1 6 | 33 | |
| Do. | 1 | 21 3 | 1 6 | 1 6 | 48 | |
| Back verandah | 1 | 35 7 | 0 10 | 1 6 | 44 | |
| Public ... Front and ends | 1 | 42 0 | 1 6 | 1 6 | 95 | |
| Steps | 1 | 18 0 | 3 0 | 0 9 | 41 | |
| Inspector and Police. Front, rear, and end | 1 | 54 6 | 1 6 | 1 6 | 123 | |
| Partition | 1 | 18 0 | 1 3 | 1 6 | 34 | |
| Covered way | 2 | 30 0 | 0 10 | 1 6 | 75 | |
| Jail ... Outer walls | 1 | 139 6 | 1 6 | 1 6 | 314 | |
| Partition | 3 | 15 0 | 1 3 | 1 6 | 84 | |
| Plinth all round | 1 | 409 0 | 0 4 | 1 6 | 205 | |
| | | | | C. feet. | 5,661 | |
| | | | | C. yds. | | 210 |
| *Brickwork above ground to floor-level.* | | | | | | |
| Court-house and Post Office. Outer walls | 1 | 156 0 | 1 6 | 2 0 | 468 | |
| Partition | 2 | 18 0 | 1 6 | 2 0 | 108 | |
| Do. | 1 | 10 0 | 0 10 | 2 0 | 17 | |
| Verandah | 1 | 39 4 | 0 10 | 2 0 | 66 | |
| Clerks ... Front wall | 1 | 32 6 | 1 6 | 2 0 | 98 | |
| Rear do. | 1 | 38 0 | 1 6 | 2 0 | 114 | |
| Partition | 1 | 18 0 | 1 6 | 2 0 | 54 | |
| Do. | 1 | 17 0 | 1 6 | 2 0 | 51 | |
| Turret | 1 | 23 6 | 1 6 | 2 0 | 71 | |
| Sheristadars and Cashiers. Front wall | 1 | 29 6 | 1 9 | 2 0 | 103 | |
| Rear do. | 1 | 31 3 | 1 9 | 2 0 | 109 | |
| Partition | 1 | 17 6 | 1 3 | 2 0 | 44 | |
| Do. | 1 | 21 3 | 1 6 | 2 0 | 64 | |
| Back verandah | 1 | 35 7 | 0 10 | 2 0 | 59 | |
| Public ... Front and ends | 1 | 42 0 | 1 6 | 2 0 | 126 | |
| Steps | 1 | 16 0 | 2 0 | 1 6 | 48 | |
| Inspectors and Police. Front, rear, and end | 1 | 54 6 | 1 6 | 2 0 | 164 | |
| Partition | 1 | 18 0 | 1 3 | 2 0 | 45 | |
| Covered way | 2 | 30 0 | 0 10 | 2 0 | 100 | |
| Jail ... Outer walls | 1 | 139 6 | 1 6 | 2 0 | 419 | |
| Partitions | 3 | 15 0 | 1 3 | 2 0 | 113 | |
| Plinth all round | 1 | 423 0 | 0 4 | 2 0 | 282 | |
| | | | | | | 2,723 |
| *Deduct stone course on basement.* | | | | | | |
| Court-house verandah | 1 | 39 4 | 0 10 | 0 6 | 16 | |
| Back verandah | 1 | 35 7 | 0 10 | 0 6 | 15 | |
| Covered way | 2 | 30 0 | 0 10 | 0 6 | 25 | |
| | | | | | | 56 |
| | | | | C. feet. | | 2,667 |
| | | | | C. yds. | | 99 |



*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Brickwork above floor-level.* | | | | | | |
| Court-house and Post Office. Outer walls | 1 | 156 0 | 1 6 | 11 6 | 2,691 | |
| Partitions | 2 | 18 0 | 1 6 | 11 6 | 621 | |
| Do. | 1 | 10 0 | 0 10 | 11 6 | 96 | |
| Gables | 2 | 18 0 | 1 6 | 3 6 | 189 | |
| Clerks ... Front wall | 1 | 32 6 | 1 6 | 11 6 | 561 | |
| Rear do. | 1 | 38 6 | 1 6 | 11 6 | 664 | |
| Partition | 1 | 18 0 | 1 6 | 11 6 | 311 | |
| Gables | 2 | 18 0 | 1 6 | 3 6 | 189 | |
| Turret | 1 | 23 0 | 1 3 | 26 0 | 748 | |
| Sheristadar and Cashier. Front wall | 1 | 29 6 | 1 9 | 12 0 | 620 | |
| Rear do. | 1 | 31 3 | 1 9 | 12 0 | 656 | |
| Partition | 1 | 16 0 | 1 6 | 12 0 | 288 | |
| Do. | 1 | 19 0 | 1 6 | 12 0 | 342 | |
| Do. | 1 | 17 6 | 1 3 | 12 0 | 263 | |
| Upper storey walls | 1 | 104 6 | 1 6 | 11 6 | 1,803 | |
| Public ... Front and ends | 1 | 42 0 | 1 6 | 12 0 | 756 | |
| Gable | 1 | 18 0 | 1 6 | 3 0 | 81 | |
| Inspector and Police. Front, rear, and ends. | 1 | 56 6 | 1 6 | 11 6 | 975 | |
| Partition | 1 | 18 0 | 1 3 | 11 6 | 259 | |
| Gable | 1 | 18 0 | 1 6 | 3 6 | 95 | |
| Do. | 1 | 18 0 | 1 3 | 3 6 | 79 | |
| Jail ... Outer walls | 1 | 139 6 | 1 6 | 11 6 | 2,406 | |
| Partition | 3 | 15 0 | 1 3 | 11 6 | 647 | |
| Gables | 3 | 18 0 | 1 3 | 3 6 | 236 | |
| | | | | | | 15,576 |
| *Deduct.* | | | | | | |
| Doors | 4 | 4 0 | 1 9 | 4 0 | 112 | |
| Do. | 25 | 4 0 | 1 6 | 4 0 | 600 | |
| Do. | 1 | 4 0 | 1 3 | 4 0 | 20 | |
| Large archway | 1 | 12 0 | 1 6 | 4 6 | 81 | |
| Small do. | 6 | 5 0 | 1 6 | 5 0 | 225 | |
| Do. do. | 3 | 4 0 | 1 6 | 4 0 | 72 | |
| Do. do. | 1 | 4 0 | 1 3 | 4 0 | 20 | |
| Spiral doors | 2 | 3 0 | 1 3 | 3 0 | 23 | |
| Record-room windows | 7 | 2 3 | 1 6 | 2 6 | 59 | |
| Jail ventilators | 6 | 1 9 | 1 6 | 1 0 | 16 | |
| Honey-comb work | 2 | 5 6 | 1 6 | 4 0 | 66 | |
| Stone under trusses | 14 | 1 6 | 1 6 | 0 6 | 16 | |
| | | | | | | 1,310 |
| | | | | C. feet. | 14,266 | |
| | | | | C. yds. | | 528½ |
| *Cut-stone* (if procurable at reasonable rates). | | | | | | |
| On basement ... Court-house verandah. | 1 | 39 4 | 0 10 | 0 6 | 16 | |
| Back verandah | 1 | 35 7 | 0 10 | 0 6 | 15 | |
| Covered way | 2 | 30 0 | 0 10 | 0 6 | 25 | |
| Court-house steps | 1 | 64 6 | 1 3 | 0 6 | 40 | |
| Public steps | 1 | 54 0 | 1 3 | 0 6 | 34 | |
| Under trusses | 14 | 1 6 | 1 6 | 0 6 | 16 | |
| | | | | C. feet. | 146 | |
| *Filling in basement.* | | | | | | |
| Court-house, etc. | 1 | 63 2 | 18 0 | 1 9 | 1,990 | |
| Clerks, Inspectors, and Police | 1 | 50 6 | 18 0 | 1 9 | 1,591 | |

*N.B.*—Half the quantity of void only is deducted; the other half covering the cost of centring and archwork.

*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Filling in basement.*—(Concld.) | | | | | | |
| Sheristadar and Cashier... ... ... | 1 | 30 0 | 17 6 | 1 9 | 919 | |
| Verandah ... ... ... ... | 1 | 29 7 | 4 8 | 1 9 | 244 | |
| Public and Jail ... ... ... ... | 1 | 60 0 | 15 0 | 1 9 | 1,575 | |
| Covered way ... ... ... ... | 1 | 30 0 | 14 0 | 1 9 | 735 | |
| | | | | C. feet. | 7,054 | |
| | | | | C. yds. | | 261 |
| *Teakwood.* | | | | | | |
| Court-house and Post Office— | | | | | | |
| Truss, 18 feet span. Tie-beams ... ... | 2 | 21 0 | 0 4 | 0 8 | 9 | |
| Principal rafters ... | 4 | 11 3 | 0 4 | 0 5 | 6 | |
| Struts... ... ... | 4 | 5 6 | 0 3 | 0 4 | 2 | |
| Purlins ... ... | 2 | 69 0 | 0 7 | 0 8 | 54 | |
| Do. ... ... | 2 | 60 0 | 0 4 | 0 4 | 13 | |
| Do. ... ... | 1 | 21 0 | 0 4 | 0 4 | 2 | |
| Ridge pole ... ... | 1 | 49 0 | 0 2 | 0 9 | 6 | |
| Common rafters ... | 61 | 16 9 | 0 3 | 0 3½ | 75 | |
| Do. ... | 13 | 13 0 | 0 3 | 0 3½ | 12 | |
| Hip rafters ... ... | 6 | 22 0 | 0 4 | 0 6 | 22 | |
| Verandah posts ... | 6 | 0 5 | 0 5 | 13 6 | 14 | |
| Do. breastsummer. | 1 | 43 0 | 0 5 | 0 6 | 9 | |
| Do. do. ... | 1 | 41 0 | 0 3 | 0 4 | 3 | |
| Do. struts ... | 113 | 3 0 | 0 2 | 0 2 | 9 | |
| Uprights, double ... | 226 | 0 3 | 0 1 | 4 2 | 20 | |
| Purlin supports ... | 13 | 1 0 | 1 0 | 0 6 | 7 | |
| Clerks— | | | | | | |
| Truss, 18 feet span. Tie-beam ... ... | 1 | 21 0 | 0 4 | 0 8 | 5 | |
| Principal rafters ... | 2 | 11 3 | 0 4 | 0 5 | 3 | |
| Struts ... ... ... | 2 | 5 6 | 0 3 | 0 4 | 1 | |
| Purlins ... ... | 2 | 43 0 | 0 7 | 0 8 | 33 | |
| Do. wall ... ... | 2 | 38 6 | 0 4 | 0 4 | 9 | |
| Ridge pole ... ... | 1 | 48 0 | 0 2 | 0 9 | 6 | |
| Common rafters ... | 48 | 16 9 | 0 3 | 0 3½ | 59 | |
| Struts ... ... ... | 46 | 3 0 | 0 2 | 0 2 | 4 | |
| Uprights, double ... | 92 | 0 3 | 0 1 | 4 2 | 8 | |
| Purlin supports ... | 6 | 1 0 | 1 0 | 0 6 | 3 | |
| Sheristadar and Cashier. Beam ... ... ... | 1 | 33 3 | 0 9 | 1 0 | 25 | |
| Joist ... ... ... | 22 | 19 0 | 0 2½ | 0 4 | 29 | |
| Record-room— | | | | | | |
| Wall-plate ... ... | 1 | 100 0 | 0 5 | 0 4 | 14 | |
| Trusses, 18 feet span. Tie-beam ... ... | 2 | 21 0 | 0 4 | 0 8 | 9 | |
| Principal rafters ... | 4 | 11 3 | 0 4 | 0 5 | 6 | |
| Struts ... ... | 4 | 5 6 | 0 3 | 0 4 | 2 | |
| Purlins ... ... | 2 | 23 0 | 0 7 | 0 8 | 18 | |
| Do. ... ... | 2 | 10 0 | 0 7 | 0 8 | 8 | |
| Do. on wall ... | 2 | 33 0 | 0 4 | 0 4 | 7 | |
| Do. do. ... | 2 | 20 0 | 0 4 | 0 4 | 4 | |
| Ridge pole ... ... | 1 | 13 0 | 0 2 | 0 9 | 2 | |
| Hip rafters ... ... | 4 | 18 0 | 0 4 | 0 6 | 12 | |
| Common rafters ... | 44 | 13 0 | 0 3 | 0 3½ | 42 | |
| Purlin supports ... | 8 | 1 0 | 1 0 | 0 6 | 4 | |
| Back verandah— | | | | | | |
| Posts ... ... ... ... ... | 4 | 0 5 | 0 5 | 11 0 | 8 | |
| Breastsummers ... ... ... ... | 1 | 32 0 | 0 5 | 0 6 | 7 | |
| Rafters ... ... ... ... ... | 22 | 7 6 | 0 2 | 0 4 | 9 | |

*Proceedings of the Madras Government, Public Works Department,*
*22nd May* 1874.

*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Teakwood.*—(Concluded.) | | | | | | |
| Public— | | | | | | |
| Purlins ... ... ... ... ... | 2 | 17 6 | 0 6 | 0 5 | 7 | |
| Do. wall ... ... ... ... | 2 | 17 6 | 0 4 | 0 4 | 4 | |
| Rafters ... ... ... ... ... | 22 | 12 0 | 0 2 | 0 3 | 11 | |
| Ridge pole ... ... ... ... | 1 | 17 6 | 0 2 | 0 9 | 2 | |
| Barge board ... ... ... ... | 2 | 12 0 | 0 1½ | 1 0 | 3 | |
| Finial ... ... ... ... | 1 | 16 0 | 0 3 | 0 3 | 1 | |
| Inspectors and Police— | | | | | | |
| Purlins ... ... ... .. ... | 2 | 18 0 | 0 7 | 0 8 | 14 | |
| Do. wall ... ... ... ... | 2 | 18 0 | 0 4 | 0 4 | 4 | |
| Ridge ... ... ... ... ... | 1 | 18 0 | 0 2 | 0 9 | 2 | |
| Rafters ... ... ... ... ... | 26 | 16 9 | 0 3 | 0 3½ | 32 | |
| Struts ... ... ... ... ... | 26 | 3 3 | 0 2 | 0 2 | 2 | |
| Uprights, double ... ... ... | 52 | 4 2 | 0 3 | 0 1 | 5 | |
| Covered way— | | | | | | |
| Trusses, 15 feet span. Tie-beam ... ... | 2 | 18 0 | 0 4 | 0 6 | 6 | |
| Principal rafters ... | 8 | 15 0 | 0 1½ | 0 3 | 4 | |
| Struts... ... ... | 4 | 4 9 | 0 3 | 0 3 | 1 | |
| Purlins ... ... | 6 | 31 6 | 0 5 | 0 6 | 39 | |
| Ridge pole ... ... | 1 | 31 6 | 0 2 | 0 9 | 4 | |
| Common rafters ... | 42 | 15 0 | 0 2 | 0 3 | 26 | |
| Struts... ... ... | 4 | 3 0 | 0 3 | 0 4 | 1 | |
| Posts ... ... ... | 4 | 13 6 | 0 5 | 0 5 | 9 | |
| Do. side pieces ... | 8 | 0 5 | 0 4 | 2 3 | 3 | |
| Jail— | | | | | | |
| Truss, 15 feet span. Tie-beam ... ... | 2 | 18 0 | 0 4 | 0 6 | 6 | |
| Principal rafter ... | 4 | 9 6 | 0 4 | 0 4 | 4 | |
| Struts... ... ... | 4 | 4 9 | 0 3 | 0 3 | 1 | |
| Purlins ... ... | 2 | 52 9 | 0 6 | 0 5 | 22 | |
| Do. wall ... ... | 2 | 53 0 | 0 4 | 0 4 | 12 | |
| Ridge pole ... ... | 1 | 37 0 | 0 2 | 0 9 | 5 | |
| Common rafters ... | 74 | 15 0 | 0 2 | 0 3 | 46 | |
| Hip rafters ... ... | 6 | 20 0 | 0 4 | 0 5 | 17 | |
| Struts... ... ... | 86 | 3 3 | 0 2 | 0 2 | 8 | |
| Uprights, double ... | 172 | 4 2 | 0 3 | 0 1 | 15 | |
| Turret— | | | | | | |
| Wall-plates ... ... ... ... | 8 | 2 6 | 0 6 | 0 5 | 4 | |
| Uprights ... ... ... ... | 8 | 1 0 | 0 6 | 6 0 | 24 | |
| Breastsummers ... ... ... ... | 8 | 2 6 | 0 6 | 0 6 | 5 | |
| Angle pieces ... ... ... ... | 16 | 0 7 | 0 7 | 0 6 | 3 | |
| Venetians ... ... ... ... | 48 | 1 6 | 1 9 | 0 1 | 11 | |
| Joists ... ... ... ... ... | 8 | 8 0 | 0 4 | 0 6 | 11 | |
| Above do. ... ... ... ... | 8 | 3 0 | 0 3 | 0 4 | 2 | |
| Rafters ... ... ... ... ... | 8 | 0 4 | 0 2 | 11 3 | 5 | |
| Planks ... ... ... ... 22 | 8 | 1 6 | 0 ¾ | 0 9 | 12 | |
| Finial ... ... ... ... ... | 1 | 1 3 | 1 3 | 2 9 | 4 | |
| Eaves board throughout ... ... | 1 | 506 0 | 0 1½ | 0 9 | 47 | |
| | | | | C. feet. | 1,044 | |
| | | | | lbs. | lbs. | |
| *Wrought Iron in Trusses, etc.* | | | | | | |
| King rods for 18 feet trusses ... ... | 5 | 8 0 | = 40 × | 2·62 = | 104·80 | |
| ,, ,, for 15 ,, ,, ... ... | 4 | 7 0 | = 28 × | 1·02 = | 28·56 | |
| ″×½″ flat iron straps for 18 feet trusses | 10 | 3 0 | = 30 × | 2·50 = | 75·00 | |
| ″×⅜″ ,, ,, ,, for 15 ,, ,, | 8 | 2 3 | = 18 × | 1·87 = | 33·66 | |
| ″×½″ plates for 18 feet trusses ... | 10 | 0 6 | = 5 × | 2 92 = | 14·60 | |
| ″×½″ ,, for 15 ,, ,, ... ... | 8 | 0 6 | = 4 × | 2·19 = | 8·76 | |

*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| *Wrought Iron in Trusses, etc.*—(Conld.) | | FT. IN. | FT. IN. | lbs. | lbs. | |
| 1″ hex nut and bolt head for 18 feet trusses. | 5 | ... ... | ... ... | 1·10 = | 5·50 | |
| ⅝″ „ „ „ 15 „ „ | 4 | ... ... | ... ... | 0·26 = | 1·04 | |
| 1″ bolt for holding down turret wall-plates. | 8 | 5 0 | = 40 × | 2 62 = | 104·80 | |
| 1″ hex nuts for „ „ „ | 8 | ... ... | ... ... | 1·10 = | 8·80 | |
| ½″ bolts for securing covered way posts ... | 8 | 1 6 | = 12 × | 0·65 = | 7·80 | |
| ½″ „ „ „ „ rafters ... | 12 | 0 8 | = 8 × | 0·16 = | 1·28 | |
| ½″ „ „ „ uprights to rafters ... | 542 | 0 6 | =271 × | 0·16 = | 43·36 | |
| | | | | | 437·96 | |
| | | | | Say... | lbs. | 438 |
| *Doors.* | | | | FT. IN. | | |
| Venetian and panel ... ... ... | 24 | 4 0 | ... ... | 8 0 | 768 | Supl. ft. |
| *Iron doors for Jail.* | | | | | | |
| With wooden shutters ... ... ... | 6 | 4 0 | ... ... | 8 0 | 192 | Supl. ft. |
| *Windows with Iron bars.* | | | | | | |
| For record-room ... ... ... | 7 | 2 3 | ... ... | 4 6 | 71 | |
| Circular portions ... ... ... | 8½ | 4 0 | ... ... | Area. | 34 | |
| | | | | | 105 | Supl. ft. |
| Jail ventilators with iron bars... ... | 6 | 4 0 | ... ... | 2 6 | 60 | Supl. ft. |
| *Painting with Oak colour.* | | | | | | |
| Venetian and panel doors, 3 ... ... | 24 | 4 0 | ... ... | 8 0 | 2,304 | |
| Jail doors, 4 ... ... ... ... | 6 | 4 0 | ... ... | 8 0 | 768 | |
| Do. ventilators, 2 ... ... ... | 6 | 4 0 | ... ... | 2 6 | 120 | |
| Record-room windows, 3 ... ... ... | 7 | 2 3 | ... ... | 4 6 | 213 | |
| Do. cir. portions, 3 ... ... | 8½ | Area. | 4 0 | ... ... | 102 | |
| Public, barge board ... ... ... | 2 | 12 0 | ... ... | 1 0 | 24 | |
| Do. finial ... ... ... ... | 1 | 16 0 | ... ... | 1 0 | 16 | |
| Wood-work in turret ... ... ... | 3 | 22 0 | ... ... | 6 6 | 429 | |
| Do. ... ... ... | 8 | 8 0 | ... ... | 1 8 | 107 | |
| Do. ... ... ... | 2 | 12 0 | ... ... | 12 0 | 288 | |
| | | | | Supl. ft. | 4,371 | |
| | | | | | Squares. | 44 |
| *Pointing exterior.* | | | | | | |
| Court-house, Clerks, Inspectors and Police and Jail. | 1 | 411 6 | ... ... | 13 6 | 5,555 | |
| Gables ... ... ... ... ... | 2 | 21 0 | ... ... | 4 0 | 168 | |
| Do. ... ... ... ... ... | 1 | 17 0 | ... ... | 4 0 | 68 | |
| Turret ... ... ... ... ... | 1 | 14 6 | ... ... | 28 0 | 406 | |
| Sheristadars and public front ... ... | 1 | 29 6 | ... ... | 25 0 | 738 | |
| Do. rear ... ... ... ... | 1 | 32 6 | ... ... | 25 0 | 813 | |
| Do. sides ... ... ... ... | 2 | 20 0 | ... ... | 8 0 | 320 | |
| Public sides ... ... ... ... | 2 | 13 6 | ... ... | 14 0 | 378 | |
| | | | | Supl. ft. | 8,446 | |
| | | | | | Squares. | 84½ |

*N.B.*—No deduction made for voids and no allowance for jambs and soffits.



5/10

*Detailed Quantities.*—(Continued.)

| Description of Work. | No. | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| *Plastering interior.* | | FT. IN. | FT. IN. | FT. IN. | | |
| Post Office ... ... ... ... ... | 1 | 2[illegible] 4 | ... ... | 11 6 | 2,695 | |
| Do. gables ... ... ... ... | 5 | [illegible] 8 0 | ... ... | 3 6 | 315 | |
| Clerks ... ... ... ... ... | 1 | [illegible]42 0 | ... ... | 11 6 | 1,633 | |
| Do. gables ... ... ... ... | 4 | [illegible]18 0 | ... ... | 3 6 | 252 | |
| Turret ... ... ... ... ... | 1 | [illegible] 0 | ... ... | 26 0 | 494 | |
| Sheristadar, cashier ... ... ... | 1 | 129 0 | ... ... | 12 0 | 1,548 | |
| Record-room ... ... ... ... | 1 | 98 6 | ... ... | 11 6 | 1,133 | |
| Public ... ... ... ... ... | 1 | [illegible]54 0 | ... ... | 12 0 | 648 | |
| Do. gables ... ... ... ... | 2 | [illegible]15 0 | ... ... | 3 0 | 90 | |
| Inspector and Police ... ... ... | 1 | 103 0 | ... ... | 11 6 | 1,185 | |
| Do. gables ... ... ... ... | 4 | 18 0 | ... ... | 3 6 | 252 | |
| Jail ... ... ... ... ... | 1 | 216 0 | ... ... | 11 6 | 2,484 | |
| Do. gables ... ... ... ... | 6 | 15 0 | ... ... | 3 6 | 315 | |
| | | | | Supl. ft. | 13,044 | |
| | | | | | Squares. | 130½ |
| *Terracing.* | | | | | | |
| Sheristadars and cashiers ... ... ... | 1 | 32 0 | ... ... | 18 0 | 576 | |
| | | | | | Squares. | 5½ |
| *Tiling with flat tiles underneath, including reepers and nails.* | | | | | | |
| Court-house, etc. ... ... ... ... | 1 | 73 0 | ... ... | 33 6 | 2,446 | |
| Clerks' rooms ... ... ... ... | 1 | 33 6 | ... ... | 33 6 | 1,122 | |
| Record-room ... ... ... ... | 1 | 37 0 | ... ... | 29 0 | 1,073 | |
| Back verandah ... ... ... ... | 1 | 32 0 | ... ... | 7 3 | 232 | |
| Public ... ... ... ... ... | 1 | 16 6 | ... ... | 24 0 | 396 | |
| Police and Inspectors and covered way ... | 1 | 45 3 | ... ... | 32 0 | 1,448 | |
| Jail ... ... ... ... ... ... | 1 | 62 3 | ... ... | 30 0 | 1,868 | |
| | | | | Supl. ft. | 8,585 | |
| | | | | | Squares. | 86 |
| *Flooring with square pavement tiles.* | | | | | | |
| Court-house and Post Office ... ... | 1 | 64 0 | ... ... | 18 0 | 1,152 | |
| Clerks' rooms ... ... ... ... | 1 | 35 0 | ... ... | 18 0 | 630 | |
| Sheristadar and cashiers ... ... ... | 1 | 30 0 | ... ... | 17 6 | 525 | |
| Back verandah ... ... ... ... | 1 | 31 3 | ... ... | 5 6 | 172 | |
| Inspector and Police ... ... ... | 1 | 15 6 | ... ... | 18 0 | 279 | |
| Covered way ... ... ... ... | 1 | 30 0 | ... ... | 16 6 | 495 | |
| Public ... ... ... ... ... | 1 | 12 0 | ... ... | 15 0 | 180 | |
| Doorways ... ... ... ... ... | 23 | 4 0 | ... ... | 1 0 | 92 | |
| Archways ... ... ... ... ... | 11 | 4 0 | ... ... | 1 6 | 66 | |
| | | | | Supl. ft. | 3,591 | |
| | | | | | Squares. | 36 |

*Detailed Quan[illegible]ts.*—(Concluded.)

| Description of Work. | | Length. | Breadth. | Depth. | Contents. | Total. |
|---|---|---|---|---|---|---|
| | | FT. IN. | FT. IN. | FT. IN. | | |
| *Flooring with Asphalte.* | 1 | | | | | |
| Jail wards ... ... ... ... ... | | 48 0 | ... ... | 15 0 | 720 | |
| Doorways ... ... ... ... ... | | 4 0 | ... ... | 0 6 | 12 | |
| | | | | Supl. ft. | 732 | |
| | | | | | Squares. | 7⅓ |
| *Cornice.* | 1 | | | | | |
| Record-room, exterior and interior ... | | 209 0 | ... ... | ... .... | 209 | |
| Court-house, interior ... ... .. | 2 | 54 0 | ... ... | ... ... | 108 | |
| Inspectors and Police, interior ... ... | 2 | 15 6 | ... ... | ... ... | 31 | |
| Clerks' rooms, interior ... ... ... | 2 | 35 0 | ... ... | ... ... | 70 | |
| Public do. ... ... ... | 2 | 12 0 | ... ... | ... ... | 24 | |
| Turret, exterior ... ... ... ... | 1 | 28 0 | ... ... | ... ... | 28 | |
| | | | | L. feet. | 470 | |
| *Fixing zinc sheets to the valleys.* | | | | | | |
| Over Court-house .. ... ... ... | 2 | 22 0 | ... ... | ... ... | 44 | |
| Do. Jail ... ... ... ... ... | 2 | 20 0 | ... ... | ... ... | 40 | |
| | | | | L. feet. | 84 | |
| Wrought iron finial for turret, 1 in No. ... | ... | ... ... | ... ... | ... ... | ... ... | |
| Spiral stairs, 1 in No. ... ... ... | ... | ... ... | ... ... | ... ... | ... .... | |

ABSTRACT.

| Quantity. | Item. | Rate. | Per. | Amount. | Total. |
|---|---|---|---|---|---|
| | | RS. | | RS. A. P. | RS. |
| 590 C. yds. | Excavation for foundations. | | | | |
| 147½ ,, | Concrete ... ... ... | | | | |
| 210 ,, | Brickwork in foundations... | | | | |
| 99 ,, | Do. in basement ... | | | | |
| 528½ ,, | Do. in superstructure. | | | | |
| 146 C. feet. | Cut-stone ... ... ... | | | | |
| 261 C. yds. | Filling in basement ... | | | | |
| 1,030 C. feet. | Teakwood ... ... ... | | | | |
| 438 lbs. | Wrought Iron work in trusses, etc. ... ... ... | | | | |
| 768 S. feet. | Venetian and panel doors ... | | | | |
| 192 ,, | Iron doors with wooden shutters for Jail... ... | | | | |
| 105 ,, | Windows, the iron bars for Record-room ... ... | | | | |
| 60 ,, | Ventilators, with iron bars for Jail ... ... ... | | | | |
| 44 Squares. | Painting oak colour ... | | | | |
| 84½ ,, | Pointing exterior walls ... | | | | |
| 130½ ,, | Plastering interior walls ... | | | | |
| 5¾ ,, | Terracing ... ... ... | | | | |
| 86 ,, | Tiling with flat tiles underneath, including reepers, nails, etc. ... ... | | | | |



ABSTRACT.—(*Co[illegible]luded.*)

| Quantity. | Item. | Rate. | Per. | Amount. | Total. |
|---|---|---|---|---|---|
| | | RS. | | RS. | RS. |
| 36 Squares. | Flooring with square pavement tiles ... ... | | | | |
| 7⅓ ,, | Flooring jail with asphalte | | | | |
| 470 L. feet. | Cornice ... ... ... | | | | |
| 84 ,, | Zinc sheets to the valleys... | | | | |
| 1 in No. | Wrought iron finial for turret ... ... ... | | | | |
| 1 in No. | Spiral stairs ... ... | | | | |

No. 457. ORDER THEREON, 22nd May 1874, No. 1,366.

CIVIL WORKS, No. 49.

COMMUNICATED for information and guidance to District Engineers, in continuation of G. O., No. 120-A, dated 14th May 1873, and No. 1,014, of 20th April 1874.

(True Extract.)

Colonel, R.E.,
*Secretary to Government.*

To District Engineers.
To the Executive Engineer, Wynaad.
,, Consulting Architect.
,, ~~Inspecting Engineer for Buildings.~~
,, Judicial Department.
,, Revenue do.

Exd. E. C. Shunker.
No Spare Copies will follow from Madras.

Revenue Department

Copt. of 1874 Sitting.

PUBLIC WORKS.

To

DISTRICT ENGINEER.

&c, &c, &c.

1/6

1 Years C.T.H.

Dated May 22nd.

Recd. 1 June/74. Encl.

G. O., 22nd May 1874, No. 1,502.

XIII.

Nos. 450-457

1/6

Taking Quotations.—Letter from Consulting Architect forwarding estimates and specification for the revised design for first-class Tidal Cut-keeper recommended, to the District Engineer for information and guidance.

No. 10 Communicated 6/6
Board of Revenue
Dublin, June 24 C.C.

To Secy Public Works 6 June 74