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6/11/67

MADRAS RECORD OFFICE

GOVERNMENT OF MADRAS

Revenue DEPARTMENT

G.O. No.	10	Press
B.P. No.		Mis.
Dated	1-6-	196187.4

Not to be folded or roughly handled

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 Cutcheries, 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.

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.

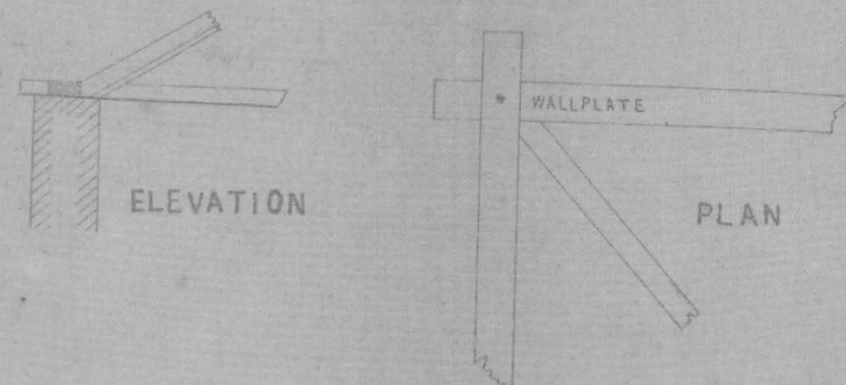
Excavation.—After the centre line has been pegged out and the breadths of the foundations lockspitted excavate the trenches to the full depths shown on the drawing.

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.

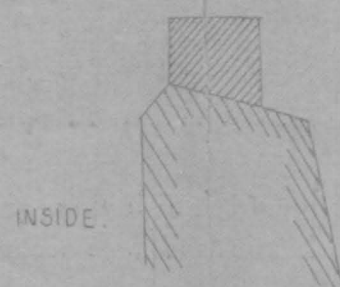
Roofing.—Record-room. A wall plate 5" x 4" will run all round the upper part of the wall except where the spiral intersects the roof. This plate will be either scarped or bolted together so as to receive in the angles the thrust of the hip rafters. The angles will be halved and spiked.



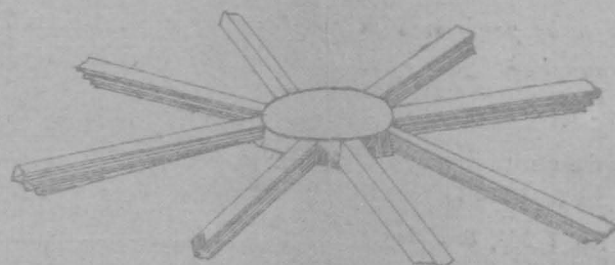
The hip rafter at the spiral angle will be bedded in the masonry of the spiral above the level of the wall-plate so as to preserve the same angle of roofing.

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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.

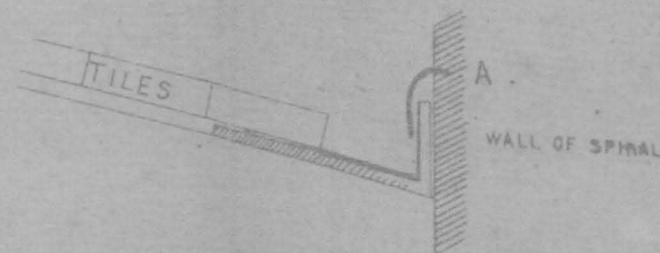


After the uprights and top pieces have been tennoned into the curb, eight horizontal pieces tennoned into a central boss will be spiked on the top.



From the ends of these rise the eight angle pieces forming the spirelet. A piece 3" x 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 $\frac{1}{2}$ 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 CATCHER, 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.		
<i>Excavation for foundations.</i>						
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
<i>Concrete 12" thick.</i>						
Excavation ÷ 4 =					C. yds.	147½
<i>Brickwork in foundations—footings.</i>						
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	
{ Verandah ...	1	38 0	1 10	1 6	105	
Clerks' rooms ... { Front wall ...	4	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	68	
{ 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	54 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	

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Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Above Footings.</i>						
		FT. IN.	FT. IN.	FT. IN.		
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	
<i>Brickwork above ground to floor-level.</i>						
				C. yds.	210	
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	
<i>Deduct stone course on basement.</i>						
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	

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Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Brickwork above floor-level.</i>						
		FT. IN.	FT. IN.	FT. IN.		
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	
Public ... { Upper storey walls ...	1	104 6	1 6	11 6	1,803	
{ 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	
<i>Deduct.</i>						
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	
<i>Out-stone (if procurable at reasonable rates).</i>						
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	
<i>Filling in basement.</i>						
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.

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Detailed Quantities.—(Continued.)

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Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Wrought Iron in Trusses, etc.—(Conld.)</i>		FT. IN.	FT. IN.	lbs.	lbs.	
1" hex nut and bolt head for 18 feet trusses.	5	...	...	1-10	5-50	
1" " " " " 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	
1/2" bolts for securing covered way posts	8	1 6	12 ×	0-65	7-80	
1/2" " " " " rafters	12	0 8	8 ×	0-16	1-28	
1/2" " " " " uprights to rafters	542	0 6	271 ×	0-16	43-36	
					437-96	
				Say...	lbs.	438
<i>Doors.</i>				FT. IN.		
Venetian and panel ...	24	4 0	...	8 0	768	Supl. ft.
<i>Iron doors for Jail.</i>						
With wooden shutters ...	6	4 0	...	8 0	192	Supl. ft.
<i>Windows with Iron bars.</i>						
For record-room ...	7	2 3	...	4 6	71	
Circular portions ...	8 1/2	4 0	...	Area.	34	
					105	Supl. ft.
Jail ventilators with iron bars...	6	4 0	...	2 6	60	Supl. ft.
<i>Painting with Oak colour.</i>						
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	8 1/2	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	
<i>Pointing exterior.</i>						
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.	84 1/2	

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

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22nd May 1874.

Detailed Quantities.—(Continued.)

Description of Work.	No.	Length.	Breadth.	Depth.	Contents.	Total.
<i>Plastering interior.</i>		FT. IN.	FT. IN.	FT. IN.		
Post Office ...	1	2 1 4	...	11 6	2,695	
Do. gables ...	5	8 0	...	3 6	315	
Clerks ...	1	7 12 0	...	11 6	1,633	
Do. gables ...	4	18 0	...	3 6	252	
Turret ...	1	29 0	...	26 0	494	
Sheristadar, cashier	1	129 0	...	12 0	1,548	
Record-room	1	98 6	...	11 6	1,133	
Public	1	54 0	...	12 0	648	
Do. gables	2	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.	130 1/2	
<i>Terracing.</i>						
Sheristadars and cashiers ...	1	32 0	...	18 0	576	
				Squares.	54	
<i>Tiling with flat tiles underneath, including reepers and nails.</i>						
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	
<i>Flooring with square pavement tiles.</i>						
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	

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22nd May 1874.

Detailed Quantities.—(Concluded.)

Description of Work.	Length.	Breadth.	Depth.	Contents.	Total.
	FT. IN.	FT. IN.	FT. IN.		
<i>Flooring with Asphalte.</i>					
Jail wards	48 0	...	15 0	720	
Doorways	4 0	...	0 6	12	
			Supl. ft.	732	
			Squares.		7½
<i>Cornice.</i>					
Record-room, exterior and interior	209 0	...	...	209	
Court-house, interior	54 0	...	...	108	
Inspectors and Police, interior	15 6	...	...	31	
Clerks' rooms, interior	35 0	...	...	70	
Public do.	12 0	...	...	24	
Turret, exterior	28 0	...	...	28	
			L. feet.	470	
<i>Fixing zinc sheets to the valleys.</i>					
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 ...				
5½ "	Terracing				
86 "	Tiling with flat tiles under- neath, including reepers, nails, etc.				

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22nd May 1874.

ABSTRACT.—(Continued.)

Quantity.	Item.	Rate.	Per.	Amount.	Total.
		RS.		RS.	RS.
36 Squares.	Flooring with square pave- ment tiles				
7½ "	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 con-
tinuation of G. O., No. 120-A, dated

14th May 1873, and No. 1,014, of 20th April 1874.

(True Extract.)

Quarles 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.

100 Spare Copies will follow from Madras.

Revenue Department

Govt. of 1874 Madras.

PUBLIC WORKS.

To

DISTRICT ENGINEERS.

cc. cc. cc.

No 19 10

1 June 1874

Dated May 22nd.

Recd. *1 June 74*

Encl.

G. O., 22nd May 1874, No. 1,366.

MAY.

Nos. 456-457

1/6

To B. of Revenue 16 June 74

Taluk Catcherries.—Letter from Consulting Architect forwarding details quantities and specification for the revised design for first-class Taluk Catcherries communicated to the District Engineer for information and guidance.

10/10 Communicated to the Board of Revenue

June 74 C/C