PUBLIC WORKS DEPARTMENT.

Public Works (1896) Department.

G.O., No. 1034-5.9

DATED 5th December 1896

[Despatch Abstract.]

Steam Launch: Orders that the Govt of India be requested to arrange for His Govt being furnished with a design specification and estimate for Constructing at the Kidderpore Dockyard a — for use in the Xistna delta.

Steam Launch: Requesting that His Govt may be furnished with a design specification and estimate for Constructing at the Kidderpore Dockyard a — for use in the Xistna delta.

1.1 5/12

5/12

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No	Department	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

PUBLIC WORKS DEPARTMENT.

IRRIGATION BRANCH.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

UNDER date the ~~Read the following~~

Letter from the Supg. Engr. Second Circle (His No 1820-K dated 5 October 1896)

Memo to do do (His No 165-K8 — — 21 to ~~Ruan the following~~

Letter from the Supg:Engr: II Circle (H.L.No:2147 K, dated 7th Novr 1896

Note by the Chief Engineer for Irrgn: (H.L.No: 214 I d/27 Nov 1896)

Order thereon:—

The following letter will be sent to the Government of India .....

Marine Department.

To the Supg. Engineer, Second Circle.
Chief Engineer for Irrigation
with copy/letter to Govt of India, Marine Dept.

27/11/96

To,

The Secretary to the
Govt: of India
Marine Department.

Sir,

In forwarding herewith a copy of proceedings Madras Government No: 1034 I dated 5th Dec 1896, I am directed to request, that the Government of India will be pleased to arrange for this Government being furnished, as soon as possible, with a design specification and estimate for constructing at the Kidderpore Dockyard, a ... steam launch, for use in the Kistna Delta, the conditions being as indicated in the Superintending Engineer's letter recorded in the accompanying proceedings.

Draft approved by I—

2.12

3.12.96

3/12

1/12/96

I. I. Form No 1—1,000—27-11-96.

H.E. 1.12.96

Public Works (1896) Department.

CURRENT No. 10869

Order

From The Chief Engineer for Engs.

No. 214 D.

Dated 27th November 1896

Received 1.12.96

Enclosures 1

Spare copies

SUBJECT.

Steam Launch for use in the Kiriwina Delta. Note—
submitting with the recommendation
that arrangements may be made
for obtaining from the Hobart
Dockyards plan, specification
and estimates for a.—

BACK PAPERS.

G.O.	No.	Department.	Date.
P 29 II	2.9.96		
P 13 II	12 9 96		
P 321 KS	5.10.96		
P 165 KS	21 11 96		
P 346 KS	7 11 96		
G.O 935	7 11 96		
G.O 822	24 10 96		
P 368 W	15 4 97		
G O 208	4 3 97		
G.O 736	23 11 87		

FURTHER PAPERS.

G.O.	No.	Department.	Date.

No 214. J

Note by the Chief Engineer for Irrigation

Submitted to Government with the recommendation ... that arrangements may be made for obtaining from the Kidder-pore Dockyard a plan specification and estimate for a steam launch for use in the Kistna Delta.

2. The statement referred to by the Superintending ... Engineer was recently verified by the Superintending Engineer Sixth Circle, and refers to the "Daisy" the launch which is kept on the Periyar lake.

3. The conditions to be fulfilled by the launch re-quired for the Kistna Delta are sufficiently given in the .. Superintending Engineer's letter.

J. J. Wilson

For Chief Engineer for Irrigation.

Chepauk

27th November 1896

Public Works (1896) Department.

41

CURRENT No.

Rec'd

Order

From The Supply Engineer II Circle

No. 2147 K.

Dated 7th November 1896

Received

Enclosures

Spare copies

SUBJECT.

Steam launch Daisy
Penguin Project - Forwarding
certain remarks as to the
maintability of the - on the
Kistna.

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

2

Superintending Engrs Office,
2nd Circle.
No 2147/K. Dated 7 November 1896

From, Major W. L. G. Baddeley R.E.
Superintending Engineer,
2nd Circle.

To
The Chief Engineer,
for Irrigation.

Sir,

In reference to your No. 11/1654 of 21st October, 1896, I have the honor to inform you that the length, breadth, & draught of the "Bailey" would be suitable; but as the launch might have to encounter strong winds & rough water in the river during floods, it is essential, that she should be stiff & stable. If in order to meet these requirements it is necessary to give her greater beam & length, there would be no objection to doing so, within the limits of 60' length & 12' beam.

As

* Length 45ft
Beam 9ft
Draught 3ft.

As regards speed I am informed that the "Daisy" could steam 6 knots against the tide, and that her speed was much in excess of that given in the tabular statement you sent me. Perhaps the N.H.O. has been under stated by a clerical error.

2/ However, as the Keston runs at least 6 miles an hour in floods, it is necessary that the launch now asked for should be capable of steaming at least 3 miles an hour against the full force of the current. The launch should be of the twin screw type & be capable of steaming with one screw, as there is always a danger of the screws getting foul with drift wood.

3/ She should be provided with bollards for towing, and should be thoroughly strong & reliable in a rough river. No cabin accommodation is required, but the engine room should be covered in. I would suggest that enquiry be made whether the specification sent with your letter under reference refers to the "Daisy" for I am told that she was not yet together at the Penigar until 1893 while the date of Construction in the specification is given as 1888. Does the specification refer to one of the other launches, the name "Daisy" being entered by mistake.

896

I have the honor to be,
Sir,
Your most obt. Servant,
W.H. Baddeley Major R.E.
Superintending Engineer
1st Circle.

E366

Order 1896

Public Works (1896) Department.

CURRENT No.

Order

From The Chief Engineer for Surveys

No. 11/16548

Dated 21st November 1896

Received

Enclosures

Spare copies

SUBJECT.

Steamer required for the Victoria Docks - Superintending Engineer requested to state the dimensions and speed of the "Decoy" considered unsuitable for use above the Arsenal and forwards a statement showing the particulars of her dimensions

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

By Bill

Statement showing particulars of various Vessels belonging to Port Phillip

Name	Description	When and where built	Original Cost	Tonnage	Nominal Horse-power	Speed	Dimensions			Fuel used		How employed &c.
							Length	Breadth	Draught Forward / Aft	Quantity Carried	Consumption per hour	
Dairy	Iron Keel Screw Steamer	Glasgow	£ 700	13	7	Miles 6	Ft. 45	Ft. 9	Ft. 3 / 3	C. yds 12	C. yds 1/4	Employed in towing Vessels in and out of Port

Encl 2 to 1N' 165 KS (II)
21.10.96

P

Encl.

II
1N' 165 KS 21.10.96

Memo

The undersigned has the honour to request with reference to letter No 1820 K dated 5th Oct 1896 from the Supdg Engr II Circle that he will be so good as to state length, breadth, draught and speed of the steamer required for the Kishnadelta. The "Daisy" would probably be unsuitable for use above the Anicut. She is pretty powerful but can do only six miles an hour A statement showing the particulars of her dimensions is enclosed for information.

J.H. 20/10

N.H. 21/10

To The S.E. II Circle
BR 19-10-96

R 321 N 56

1

Public Works (1896) Department.

CURRENT No.

R 321 N 56

Order

From The Supdg Engr Suez

No. 1820 W.

Dated 5th October 1896.

Received

Enclosures

Spare copies

SUBJECT.

Steam Launch of the Type of the "Darsey" for the Victoria Docks.

Recommends the provision of ——

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Supg: Engineer's Office
2nd Circle, Bezwada
5 October 1896

No 1820 K.

2 P

From

Major W.L.C.B. Addeley R.E.
Supg: Engineer,
2nd Circle.

To

The Chief Engineer,
For Irrigation
Madras.

Sir,

In reference to your No. 13. II dy 12th Sept: 96 and previous correspondence, I have the honour to inform you that I think it is very necessary that these works should be provided with a steam launch of the type of the "Daisy".

2. Two Stern wheelers are under construction at the Kidderpore docks for the Kistna, but these are shallow draught vessels especially intended for towing boats when the river is low, and for inspection work below the Anicut, for which a draught of more than

than 5' is inadmissible.

The only — Steamer now on the works, the "Alexandra", is only 10 H.P. and quite unsuited for work on the rivers during high freshes. She is also rapidly wearing out and I strongly recommend that a launch like the "Daisy" be procured from England.

5. The danger of having only one steamer was strongly marked during the late floods, as if the "Alexandra" had broken down in attempting to cross the rivers she would either have been carried over the Anicut, or else have been obliged to anchor in the river for almost 3 weeks. In either case all her crew would have been lost, as it would have been impossible to send any other boat to their assistance.

4. The specification for the "Daisy" can, I presume, be obtained from your office or that of the Madura Dy., and if my proposal be approved, I beg that an indent may be sent home in time to have the launch ready for use

use here before next May. I.H.

I have the honorable,
Sir
Your most obt Servant,

W. Baddeley
Major R.E.
Supg Engr. II Circle.

8

FOR IRRIGATION
No. 1911

Public Works (1896) Department.

CURRENT No.

Order

From Mr Chief Engineer for Irrigation

No. 13 . II

Dated 12 September 1896.

Received

Enclosures

Spare copies

SUBJECT.

Steam Launch "Daisy".

Informs that she cannot be spared, as it is always in use at Pumps

Public Works (1896) Department.

CURRENT No.

Read

Order

10547
1547

From Mr Supty Engineer Chu

No. 2631-2.

Dated 2nd September 1896

Received

Enclosures

Spare copies

SUBJECT.

Rev Dacoity Steam launch
in No 1 Perayar Div Ingoing
to Kollam — can be transferred
to the Kistna

BACK PAPERS.

G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.

BACK PAPERS.

G.O.	No.	Department.	Date.
	9359	Pw	7.11.95
	822	"	24.10.91
	2085	"	4.3.91
	738-37	"	23.11.87

FURTHER PAPERS.

G.O.	No.	Department.	Date.

Superintending Engr's Office
2nd Circle.
No 263 Gb Dated 2nd September 1896

From.

Major W.L.C. Baddeley. R.E.
Superintending Engineer
II Circle.

To

The Chief Engineer
for Irrigation.

Sir.

In reference to G.O. No 935 d, dated 7th November 1895: I have the honor to enquire whether the "Daisy" steam launch could be transferred to the Kistna.

2. There will be a good deal of boring work to be done for the next two years as the Seethanagaram quarry has been closed, and nearly all the stone for the Western Division will have to be brought across the river until arrangements can be made for opening a new quarry in the Kistna Western Division

3. It is also very unsatisfactory to have only one steam launch on the works, for in the event of her breaking

down there is no other vessel to
send to her assistance.

4. I am Certain that the "Daily"
if in good order could be much
usefully employed here. I hope
that the transfer will be approved
and carried into effect as soon
as possible.

5. The launch might be brought
to Madras in pieces, and after being
put together and thoroughly over-
hauled in the P. W. workshops, sent
to Bezwada by the Buckingham
canal.

I have the honor &c.
Sir
Your most obdt Servt
W. Baddeley Lt. Major R.E.
Superintending Engineer
2d Circle

M.

CHIEF ENGINEER
FOR IRRIGATION.
14 SEP 96
No

From.

The Superintending Engr
II Circle

To
The Chief Engineer.
for Irrigation.

No 263 Dt 2 September 1896

—

The "Daisy" steam launch in No 1 Periyar Division — Enquiring whether — can be transferred to the Krishna.

No. 935 I., 7TH NOVEMBER 1895.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.

READ—the following paper:—

From S. D. PEARS, Esq., Superintendent of Works, No. I Periyár Division, to the Chief Engineer, Public Works Department, dated Periyár, 26th October 1895, No. 125 C.E.

I have the honour to enclose a copy of the tools and plant return for this division for the half-year ending August 1895, and to request orders as to the disposal of the articles therein enumerated.

2. Those entered in black type have already been disposed of either by sale or by transfer to other divisions under G.Os. Nos. 2569 W. and 3130 W., dated 15th October and 7th December 1894, respectively.

3. Of the remainder, I require instructions as to which articles you would wish to keep as being likely to be useful hereafter in the Public Works Stores or in other divisions and which to sell and in view of the very heavy expense of transport to the Public Works Stores at Madras, amounting to about Rs. 70 per ton, I would recommend that as much as possible of it shall be sold.

4. With regard to prices I would suggest that I may be authorized to fix these. The value arrived at by an arbitrary annual deduction from the original book value is likely to be widely wrong in many cases and I would propose to fix their values by consideration of each item on its own actual merits. I would then advertise a price list, and of all such things that are not sold by the 15th January 1896 at the price list values I would hold an auction at Periyár on that date.

5. Your selection of the items to be reserved for Government will of course be made on the assumption that such items are in fairly good order. Should it appear from my final inspection of them at the close of the works that any of them are so much worn as to make it doubtful whether they are worth reserving, I will again report on these accordingly, and will suggest that such should be relegated to the proposed auction in January 1896.

6. The favour of early orders is requested.

—

ENCLOSURE.

No. I Periyár Division.

LIST of machinery and tools, &c., available for sale or transfer to other divisions on the 31st August 1895.

Item number.	Particulars.	Number.	Remarks.
	Scientific Instruments.		
1	Levels, cushings	5	Lent to Madura Division officer.
2	Staves, telescopic	10	
3	Theodolite	2	
4	Omnimeter	1	
5	Prismatic compass	4	
6	Chain, measuring 100 feet	3	
7	Do. 50 "	4	
8	Tape, metallic 100 feet	14	
9	Do. 50 "	15	

List of machinery and tools, &c., available for sale or transfer to other divisions, &c.—*cont.*

Item number.	Particulars.	Number.	Remarks.
	Scientific Instruments—cont.		
10	Steel tape, 50 feet	3	
11	Mathematical instrument box, 1st class	2	
12	Do. do. 2nd "	1	
13	Do. do. 3rd "	3	
14	Straight edge brass	3	
15	Rules, parallel rolling	3	
16	Scales, plotting	3	
17	Pentagraph	6 sets	
18	Spirit levels	1	
19	Plumb bob	9	
20	Steel foot rule	6	
21	Scales, card boards	3	
22	Thirty inches T square	2	
23	French curves	1	
24	Drawing pens, 1st class	18	a.
25	Rain gauges, tin	2	
26	Rain gauge, Crossley's	2	
27	Current metre	1	
28	Rule folding box, wood, 3 feet	1	
29	Do. do. 2 "	3	
30	Quadrant ghât tracing	3	
31	Cross staff	1	
32	Tachometer	1	
33	Jees pit levelling staves	1	
34	Barometer	2	
35	Slope rule	1	
36	Photographic camera, Stanley's	1	
	Tunnel Machinery.		
37	Rock boring machine	8	
38	Air compressor	2	
39	Air distributor	2	
40	Air receivers	2	
41	Water injector	1	
42	Blast fan with shaft to exhaust 8,000 cubic feet	1	
43	Rock drilling machine, hand, Jordons (patent)	144	b.
44	Rock drills of sizes	2	
45	Moots boiler, 16 horse power	3	
46	Horizontal engine and compressor, 16 horse power	2	
47	Receivers	2	
48	Three and a half inches rock drilling machine	2	
49	Six feet stretcher bar with clamps, &c.	6	
50	Distributors	2	
51	Four inches rock drilling machine	2	
52	Compound rock drills	6	
53	Horizontal engine and compressor, 50 horse power	1	a.
	Concrete manufacturing machinery.		
54	Stone breakers	1	
54A.	Stone breakers	8	
55	Mortar mixers	2	
56	Concrete mixers	2	
57	Disintegrators	4	
58	Conveyors	6	b.
59	Mortar mill, complete	3	
60	Main shaft with pulleys	1	
61	Counter shaft with pulleys	2	
62	Shaft with measuring drums	1	
	Light Railway plant.		
63	Portable Railway	3,000 feet	Sold—*vide* G.O. No. 317 W., dated 7th February 1895.
63A.	Portable railway		
64	Points and crossings	8,088 feet	
65	Turn tables	25 sets	
66	Side tipping wagons	5	
67	End tipping wagons	54	a.
	Turbines.	25	
68	150 horse power turbine with shaft and gearing	1	
69	Turbine, 60 horse power	1	a.
70	Turbine, 50 horse power	1	
71	Turbine, 6 horse power	1	
	Hoisting gear.		
72	Crane, portable, 1 ton	6	Sold—*vide* G.O. No. 2569 W., dated 15th October 1894.
73	Do. do. ½ ton	6	e.
74	Crab winch, 5 tons	2	b.
75	Do. 4 tons	1	
76	Do. 3 tons	3	
77	Do. 2 tons	2	
78	Hydraulic jacks	2	a.
79	Travelling jacks	2	
80	Blocks, iron, galvanized	26	
81	Do. Westons differential, 2 tons	1	
82	2-ton differential pulley block with chain	1	

List of machinery and tools, &c., available for sale or transfer to other divisions, &c.—*cont.*

Item number.	Particulars.	Number.	Remarks.
	Hoisting gear—cont.		
83	Lifting gear for locks pairs	2	b.
84	Winding engine with fittings complete	1	c.
85	Derrick crane	1	b.
85A.	Derrick crane	1	
	Pumps.		
86	Horizontal double acting force pumps to throw 3,000 gallons per hour to a height of 150 feet.	1	a.
87	Tangeys special steam pump 8" steam cylinder and 5" water cylinder with condenser foot valve, steam and water pipes for a lift of 140 feet.	1	
88	Tangeys special steam pump 4" steam cylinder and 4" water cylinder with condenser foot valve, steam and water pipes for a lift of 60 feet.	1	
89	Tangeys special steam pump with 8" steam cylinder and 4" water cylinder.	1	
90	Pump, centrifugal, 10"	1	
91	Pump, centrifugal, 8"	1	
92	Pump, centrifugal, 6"	1	Transferred—*vide* G.O. No. 187 I., dated 26th February 1895.
93	Pump, Pulsometer No. 5	4	a.
94	Do. do. No. 4	1	
95	Hand pumps	7	b.
96	Archimedian screws	4	Two transferred—*vide* G.O. No. 187 I., dated 26th February 1895.
97	Sand pumps with cutter and gearing	1	b.
98	Flexible steam hose	3	a.
99	Ten feet length of wire-bound delivery hose	2	
100	Centrifugal pump 1½"	1	
101	Pitcher spout pump with steel driving point and wrought iron pipes.	1	b.
102	Flexible suction hose	5	a.
103	Donkey pump	3	b.
104	Tanned canvas rubber lined delivery hose	1	a.
105	Do. do. 195'	1	
106	Guy screws	6	b.
	Engines and steam boilers.		
107	Portable engine, 8 horse power	3	a.
108	Do. do. 6 do.	3	
109	Vertical boiler, 6 do.	3	
110	Portable Locomotive boiler	1	
110A.	Portable Locomotive boiler	1	
111	Pressure gauge	4	
112	Portable engine, 10 horse power	3	
113	Oil engines	2	c (One of them lent will be kept with the launch to which it belongs.)
	Lights.		
114	Wells light, large	4	a.
115	Do. small	3	
116	Wells Hurricane lamps	3	
117	Public Works square lanterns	15	b.
118	Wells torch lamps	15	
119	Coxe Plummet lamps	2	
120	Engine head lamp	1	
	Weighing plant.		
121	Weighing machine, 4 tons	2	b.
122	Do. 1 ton	2	
123	Beam scale	2	
124	Fair banks weighing machine	1	a.
	Electric plant.		
125	Electric firing machine	1	
125A.	Electric firing machine	1	a.
126	Test box galvanometer	1	
127	Electric bell, 4½"	1	
128	Chattering bell	3	
129	Electric bell 2½"	6	
130	Bell interruptor for continuous ringing	1	
131	Three shutter indicator with bell	1	
132	Leclanche battery, 4 cells	1	
133	Do. 2 "	2	
134	Bell wire	2	a.
135	Insulators	690	
136	Wire single galvanised miles	40	
137	Chinapushes cream colors	3½	
138	Level belt stretcher	1	
139	Belt shippers	1	
	Wire Ropeway.		
140	A. Ropeway, 6 miles	1	
141	B. Ropeway, half mile	1	b.
142	Buckets with hangers	25	

List of machinery and tools, &c., available for sale or transfer to other divisions, &c.—*cont.*

Item number.	Particulars.	Number.	Remarks.
	Miscellaneous.		
143	Circular saw table with fly wheel, complete	1	*b.*
144	Semiportable steam saw mill	1	
145	General joiner	1	*a.*
146	Hydraulic press, 50 tons	1	
147	Tipping boxes	100	
148	Bulls dredger	13	
149	Trolly, four wheeled	1	*b.*
150	Surki screens	19	
151	Sand do.	25	
152	Priestman's steam dredger	1	
153	Luthe screw cutting	1	
154	Grinding stone with trough and pully to work by steam power	1	*a.*
155	Fan blowers or ventilating	1	
156	Jim crows	3	
157	Winchester rifle	1	*b.*
	Floating plant.		
158	Rowing boat	2	All these should be sold by auction on the spot except the "Daisy," "Mary" and "Maud" and the iron barges, which should be retained for future use on the lake.
159	Half out rigged boat	1	
160	Wooden barge, large and small	20	
161	Wrought iron barge	4	
162	Steam launch	3	
163	Cochin boat, large and small	26	
164	Dug-out	7	
165	Iron framed punt	2	
	Tools, Ordinary.		
166	Pick-axes	660	
167	Hand axes	61	
168	Felling axes	522	
169	Hammers, sledge	625	
170	Do. hand	67	
171	Do. steel stone breaking, 3, 4, 5, 7 and 10 lb	2044	
172	Do. miners	74	
173	Mamoties	2283	
174	Crow bars	406	
175	Jampers	1598	
176	Bill hooks, country	873	
177	Rammers, iron	89	*a.*
178	Road tampers	199	
179	Shovels and spades	69	
180	Sickles	143	
181	Steel wedges	135	
182	Pitch forks	3	
183	Rakes	6	
184	Screw jumpers	3	
185	Pointing trowels	95	
186	Steel amalgum bell with cast iron bracket	1	
187	Earth augers	1	
188	Masons trowels	1	
189	Tin opener	2	
190	Tin cutter	2	
191	Glass cutter	1	
192	Iron chatties	800	
193	Galvanised iron buckets	368	*b.*
194	Watering cans	109	
195	Empty tins	678	
196	Nipper	3	
197	Picottah buckets	4	
198	Brass padlock	1	
	Workshop Tools.		
199	Bellows, english	19	
200	Anvils	24	
201	Swage blocks	2	
202	Rivetting hammers	8	
203	Do. dies top and bottom	12	
204	Steel hammers, 1¼ lb	14	
205	Do. 1 lb	8	
206	Files of sizes	498	
207	Vices, large	15	
208	Do. hand	4	
209	Chisels, cold	56	
210	Ratchet braces with bits	11	*a.*
211	Taps and dies and stock	12 sets	
212	Screw plate with 4 taps	1	
213	Monkey wrench	12	
214	Clyburn spanner	22	
215	Ordinary spannor	17	
216	Gas tongs	8	
217	Tongs	15	
218	Snape punch	2	
219	Burnishers	3	
220	Carpenters' tool box	3	
221	Do. compass	2	

List of machinery and tools, &c., available for sale or transfer to other divisions, &c.—*cont.*

Item number.	Particulars.	Number.	Remarks.
	Workshop Tools—cont		
222	Anger of sizes	187	*b.*
223	Saw, hand	69	
224	Do. large	12	
225	Do. circular	3	
226	Do. bow	1	
227	Nail puller	2	
228	Grinding stone	3	
229	Callippers	7	
230	Hydraulic punching gear	1	
231	Tube erepunder	2	
232	Blacksmiths' and fitters' tools in box	1 set	
233	Planes trying	2	
234	Do. joining	2	
235	Bellows, country	4	*a.*
236	Fitters compass	1	
237	Blacksmiths' hammer	2	
238	Wrench parrot nose to take 1" to 2" pipe	1	
239	Tongs adjustable pipe No. 3 (1" to 2¼")	1	
240	Pipe wrench and tube cutters No. 2 (1" to 2")	1	
241	Instantaneous vice	6	
242	Portable forge	2	
243	Portable vice on wheels	2	
244	Oil stone turkey in case	1	
245	Crucibles	2	
246	Marble mortor	1	
247	Pincers	2	
248	Saws tenon	2	
249	Soldering tools	2	

PERIYAR,
26th October 1895.

(Signed) S. D. PEARS,
Supdt. of Works, No. I Periyár Divn.

ORDER—No. 935 I., dated 7th November 1895.

The items in the statement appended to the foregoing letter which are marked "*a*" will be transferred to the Public Works Stores and those marked "*b*" will be sold at Periyár. It will be understood that the selection is in accordance with paragraph 5 of the Superintendent of Works' letter.

2. The Superintendent of Works will have full discretion as to the prices to be charged to the Public Works Stores; these prices should be what the articles may reasonably be supposed to be worth *at the stores*, the cost of carriage thereto being borne by the project.

(True Extract.)

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

To the Chief Engineer for Irrigation.
„ the Consulting Engineer for Railways.
„ Superintending Engineers.
„ the Consulting Architect to Government.
„ the Superintendent of Works, No. I Periyár Division.
„ the Examiner, Public Works Accounts.
„ the Chairman, Harbour Trust Board.

Encl. P. Seetharam.
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No. 922/ IRRIGATION.

Govt. of {1895} Madras.

PUBLIC WORKS.

Dated November, 7th.

Read. *Encl.*

G.O. No. 935 I., 7th Nov. 1895.

NOVEMBER.

Tools and Plant

Orders as to the disposal of the — in No. I Periyár division.