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TAMIL NADU ARCHIVES

GOVERNMENT OF TAMIL NADU

REVENUE DEPARTMENT

G.O. No.	2905	Press.
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Not to be folded or roughly handled

2905

GOVERNMENT OF MADRAS.
PUBLIC WORKS DEPARTMENT.

4th November 1878, No. 877 I.

Irrigation.

Read the following papers:—

- No. 1. From the Chief Engineer for Irrigation, dated 1st November 1877, No. 226 I.
- No. 1-A. From the Superintending Engineer, Godavari, dated 30th March 1878, No. 4,135.
- No. 1-B. Memorandum by the Chief Engineer for Irrigation, dated 24th May 1878.
- No. 1-C. From the Collector of Godavari, dated 13th June 1878, No. 81.
- No. 1-D. From the Collector of Kistna, dated 7th August 1878, No. 1,672.
- No. 1-E. From the Superintending Engineer, Kistna, dated 12th August 1878, No. 99.
- No. 1-F. From the District Engineer, Godavari, dated 9th September 1878, No. 1,856.
- No. 1-G. Note by the Chief Engineer for Irrigation, dated 20th September 1878, No. 259 I.

REVISED RULES for the Regulation of the Navigation of the Godavari and Kistna Delta Canals.

I. No vessel or raft will be allowed to enter or make use of any canal, unless the owner shall have previously taken out a license, or unless toll shall have been paid as hereinafter provided.

II. Licenses will be issued for steamers, cargo boats, and passenger boats for the calendar year only, and will entitle the holder to navigate the canals of the Delta for which the license may be issued, by the vessel named in the license, so long as the canals may be open for navigation, from the 1st January to the 31st December inclusive. Every owner of a vessel desiring to obtain a license shall apply in person or by letter to an* officer empowered to register boats giving—

* Executive Engineer of Division.
Officer in charge of Executive Division.

- (1) the name, or names if there be more than one, of the owner or owners;
- (2) the place of residence of the owner or owners;
- (3) the place where, and the year in which, the vessel was built;
- (4) the calendar year for which the license is desired.

III. Every vessel licensed for the conveyance of cargo will be required to pay a license fee as follows for the year 1878, and for subsequent years until further notice:—

For the Godavari Delta	...	...	...	2 Rupees a ton.
" Kistna "	...	...	...	1 Rupee "

IV. The capacity or tonnage of any vessel for the conveyance of cargo will be ascertained in the following manner:—

Length—at half the central depth, between stern and forepost;

Breadth—an average of five widths taken at equal distances between the posts, and at half the depth; the widths are to be measured from the rib on one side to the planking (skin) on the other side.

Depth—at the centre of the vessel, measured from the top of keelson to the under side of the deck planking in decked vessels, or to top of gunwale in open vessels. The product of these measurements, in feet, divided by 50* with 15 per cent. deducted for the crew, &c., will give the tonnage on which a license fee will be chargeable.

V. On payment of the license fee according to the scale above fixed, a license will be delivered to the owner of a cargo boat, or to any one authorised by him to receive it, which will entitle the vessel to the free use of all the canals of the Delta named in the license without any other payment whatever, provided that, if a vessel, after the issue of a license, be enlarged, it shall not again ply until it has been remeasured and a new license issued. The new license will be granted on surrender of the previous license, and on payment of the prescribed rate per ton on the difference between the old and new tonnage. The penalty for using on the canals an enlarged boat without a new license is a double license fee with perhaps suspension of license—also, *vide* Bye-law 17.

VI. The number of the license granted for a cargo boat must be painted in conspicuous figures, not less than four inches in length, in English and Telugu, on both bows of the vessel, and the tonnage of the vessel shall be also marked by figures of an equal size, cut† in and afterwards painted, on a conspicuous place on the stern.

These marks must be put on the vessel before it commences to use the canals, at the expense of the owner, who will be held responsible that they are not defaced or obliterated.

VII. Vessels for the conveyance of passengers may obtain licenses from a Registry officer, for the current calendar year, or during the months of October, November, or December for the ensuing† calendar year on furnishing or giving the information required by Rule II (1, 2, 3, 4), on the following terms and conditions, which are applicable to both Deltas. Passenger vessels will be licensed to carry one passenger for every five square feet of deck space. This deck space will be measured as follows:—

Length—at deck level over all.

Breadth—the mean of five widths at equal distances.

Two classes of passenger vessels will be recognised as eligible to use the Delta canals:—

First-class Vessels.—Those for which the fares to be charged and the caste of the passengers to be carried are left optional with the owners of the boats.

Second-class Vessels.—Those of which the owners undertake, and by the acceptance of a license have undertaken to convey all passengers, for whom there is space according to the above regulation, irrespective of caste, at rates not exceeding the following maxima, viz.:—

In the general cabin two Pies per mile per passenger (including one cooly load of luggage). In reserved fore or aft cabins, three Pies per mile for every five square feet of cabin (including a cooly load of baggage for every five square feet of space). Any passenger paying the full hire for a reserved cabin will be entitled to its exclusive use. A single party will be allowed to engage a second class boat only by permission of the Registry Officer.

* Fifty cubic feet of space in the hold to be taken as equivalent to one ton.

† In the case of wooden vessels.

‡ N.B.—This provision will apply also to cargo boats and to all descriptions of vessels.

The license fees chargeable for passenger vessels will be as follows:—

First-class Vessels.—Six Annas per square foot of deck space or Rupees 1-14-0 per passenger.

Second-class Vessels.—Three Annas per square foot of deck space or Annas fifteen per passenger.

VIII. Every vessel licensed to carry passengers must reserve for their exclusive use one-third of the total length of the boat as shown by the above measurement. This reserved space will be in the centre of the boat, and no cargo will be allowed to be carried therein, whether there be few passengers or none. The limits of the reserved space will be fixed by the Registry officer when issuing the license, and will be marked by two vertical white lines on each side of the boat, inside and outside.

IX. The number of the license issued for a passenger vessel must be painted on the bows in the manner prescribed for cargo vessels.

The number of passengers which a passenger vessel may be licensed to carry will be entered in the license, and this number must be legibly and conspicuously painted on the stern of the vessel.

X. Passenger vessels may carry cargo as well as passengers subject to the conditions—

(1st) that the reserved space (Rule VIII) must contain no cargo;

(2nd) that second-class vessels must convey passengers, if required to do so, in preference to cargo;

(3rd) the passengers and the equivalent of passengers in cargo must not together exceed the limits of the license, and 16 maunds of 25 lbs. each or 400 lbs. will be allowed as the equivalent of one passenger, e.g., a vessel licensed to carry seventy passengers may with sixty passengers take on board 4,000 lbs. of cargo.

XI. Vessels, the private property of individuals making use of the canals, but not carrying passengers or goods, or plying for hire, will be licensed for a calendar year on payment of a fee of Rupees 15.

The number of the license issued to a vessel of this class must be painted on the bows in English and Telugu figures; but, provided the figures are clearly legible, this marking may be done in an ornamental manner to suit the wishes of the owner.

XII. No person who has taken out a license for the navigation of the canals shall have any claim to compensation in consequence of the closure of all or any of the canals for repairs, or because of want of water, or of any other impediments to navigation. Although no claim to compensation can be recognised, and no refund of license fee will be made under any circumstances, if from any work of repair or alteration through communication by the canals of any section of a Delta is entirely cut off for more than three consecutive months, an abatement will be made on renewal of license for the ensuing year in proportion to the period of closure in excess of three consecutive months; e.g., a closure of any main canal, or of the Cocanada, Samulcottah, and Coringa Canals or of the Narsapur and Ellore Canals for four consecutive months would allow of an abatement of one-ninth of the fee; but if communication between Ellore or Narsapur and Cocanada, and between Amalapur and Cocanada be not interrupted for more than three consecutive months no abatement would be allowed.

XIII. Rafts will be permitted to navigate the canals on payment, at one of the head locks, of one Rupee for each raft of teakwood, country wood, or bamboos, provided that no raft shall be allowed to enter or to navigate any of the canals if its dimensions exceed 95 feet in length or 13 feet in breadth, or if its draught exceed three feet.

Rafts when moored to be securely fastened to the canal bank at both ends, and at night to show a light near the outer corner at the up-stream end.

Rafts which may be moored in positions which, from the narrowness of the canal or for other reasons, obstruct navigation, are required to be divided or to remove to some other place as or when they may be directed.

XIV. Unlicensed vessels, whether cargo, passenger, or private, will be allowed to navigate the canals of the Deltas on the conditions below mentioned.

All such vessels will be required to pay a toll of 6 Rupees, previous to entering the canals, for a single journey between the head and end of either Delta or *vice versa*, such toll being leviable at the head or terminal-lock according as the journey may be down or up stream. The pass or toll ticket granted on the toll being paid will clear the vessel through the section of the Delta for which it may be issued, for a single journey only, in one direction, and a second toll of like amount will have to be paid by any boat holding a pass for a journey upstream and wishing to proceed downstream on the same or another canal, or *vice versa*. Every head and tail lock will be a toll station, and such stations will be established at or near the end of each individual canal. A list of the toll stations in each Delta will be affixed to a notice board at each station. The toll ticket or pass must be shown at every toll station which may be passed, and no unlicensed boat will be allowed to proceed without a ticket covering the journey in the intended direction.

XV. Steam vessels will be permitted to navigate the canals under the following rules:—

1. All steamers desiring to use the canals shall be inspected by a Registry Officer, who shall see that they are so constructed as not to damage the canal banks when going at the maximum speed allowed for steamers. The Registry Officer will also see that the machinery is in fair working order, and that the boilers are provided with proper gauges and two safety valves, and are apparently in safe condition. The funnels of all steamers worked by high pressure steam, or using any blowing apparatus, must be provided with efficient spark-catchers.
2. The size of steamers to be licensed, or admitted to the canals on payment of toll, shall not exceed 90 feet in length or 13 feet in width over all measurement, and the maximum draught allowable will be $3\frac{3}{4}$ feet.
3. Every steamer, when not moored, shall carry the following lights between sunset and sun rise:—

A bull's-eye bright red light on the port (left) side.

A do. do. green do. starboard (right) side.

The bull's-eye to be not less than 8 inches in diameter. The lights to be so placed and fitted that both may be visible only from a point ahead of the vessel, and so as not to be obscured by any of the fittings, cargo, or passengers. Subject to these provisions the lights may be placed on the front or on top of the cabin, at the sides of the vessel near the bow, or on supports specially provided for the purpose.

When moored a steamer shall show a clear and bright light at the upstream end of the vessel, which light must be fixed at not less than 4 feet above water.

4. Subject to Rule XV-1, no steamer shall travel at a greater speed than ten miles per hour by day, or five miles per hour by night.

5. When steamers meet one another on the canals, they shall keep to the right; when one overtakes another the fastest shall pass to the port or left side; when meeting or passing boats under sail they shall keep on the windward side; when passing boats that are being towed they shall keep to the outside; *i.e.*, to the side away from the tow-line.

6. Steamers shall reduce their speed to three miles an hour when they come within half a mile of a lock, and shall then whistle to give notice of their approach to the lock establishment. Steamers must be warped into and out of locks, and will not be allowed to use their propellers until quite clear of the locks.

7. Steamers shall reduce speed to four miles an hour when they come within sight of other boats, and when within 100 yards of a boat the steam whistle shall be used.

8. The license fees to be paid by steamers shall be at the rate of 5 Rupees per ton, and the measurement shall be ascertained in the manner prescribed for cargo boats. An allowance of one-third of the gross tonnage will be made for the machinery and bunkers.

9. Steamers that do not require to use the canals frequently, may obtain toll tickets, for which the charge shall be at double the rates prescribed for other vessels.

10. Steamers shall not be allowed to enter or navigate the canals without a license or a toll ticket, which shall be produced whenever demanded by any Canal Officer.

11. In the event of a steamer committing damage to any of the works of the canals or to any Government property in them, the steamer's license or toll ticket shall be taken away, and it shall not be allowed to use the canals until the cost of repairing the damage has been estimated, and the owner has paid the amount, or until security has been given for such payment, but a pass shall be given it to enable it to clear out of the canals.

12. All steamers taking out licenses will be required to have their registered numbers and tonnage painted on them in the manner prescribed for cargo boats, and every steamer, desiring to use the canals without taking out a license, must, before the navigation of the canals by it will be permitted, obtain an Inspection Certificate* from a Registry Officer, and must produce such certificate when applying for a toll ticket. A certificate will be of value for 12 months only from its date.

XVI.—Clause 11 of Rule XV will be applicable also to vessels other than steamers damaging canal works or Government property.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

FORMS OF LICENSES.

License for Passenger Vessel, First Class, for the Calendar Year 187 Delta

No. _____

Name of owner _____

Residence of owner _____

Vessel built at _____

" " in the year _____

Number of passengers to be carried _____

Fee paid Rupees _____

Date of issue _____

Issued by the Registry Officer at _____ Signature _____

N.B.—The counterfoils of all licenses to be counterparts of the licenses.
[On the reverse of the license.]

- N.B.—1. When the full number of passengers may not be carried, 16 maunds or 400 lbs. of cargo may be carried instead of each passenger less than the full number.
2. No cargo may be carried in the space reserved for passengers under Rule VIII.
3. The fares to be charged and the caste of passengers to be carried are optional with the holder of this license.

License for Passenger Vessel, Second Class, for the Calendar Year 187 Delta

No. _____

Name of owner _____

Residence of owner _____

Vessel built at _____

" " in the year _____

[On the reverse of the license.]

- N.B.—1. When the full number of passengers may not be carried, 16 maunds or 400 lbs. of cargo may be carried instead of each passenger less than the full number.
- * Under Rule XV.-1.

Number of passengers to be carried. { Fore cabin.
General do.
Aft do.

Total Number ...

Fee paid, Rupees

Date of issue

Issued by the Registry Officer at

Signature

2. No cargo may be carried in the space reserved for passengers under Rule VIII.

3. The holder of this license is required to carry in the general cabin any persons requiring a passage, without reference to caste, at a maximum fare of 2 Pies a mile for each passenger; and in the fore and aft cabins at a maximum fare of 3 Pies a mile per 5 square feet of cabin, any passenger paying the full hire for the cabin being entitled to its exclusive use.

License for Private or Pleasure Vessel for the Calendar Year 187

No.

Name of owner

Residence of owner

Vessel built at

" " in the year

Description of vessel

Delta.

Fee paid, Rupees fifteen.

Date of issue

Issued by the Registry Officer at

Signature

License for Cargo Vessel for the Calendar Year 187

No.

Name of owner

Residence of owner

Vessel built at

" " in the year

Delta.

MEASUREMENT FOR TONNAGE.			Cubic Feet.	Gross Tonnage.	Deduct 15 per cent.	Tonnage for License.	Fee.
Length, Feet.	Breadth, Feet.	Depth, Feet.					
							RS. A. P.

Number of tons

Fee paid, Rupees

Date of issue

Issued by the Registry Officer at

Signature

License for Steam Vessel for the Calendar Year 187

Delta.

No.

Name of owner

Residence of owner

Name of vessel

Vessel built at

Vessel built in the year

Description of propeller

" of engines

" of boiler

Working pressure of steam

Extreme length, feet

" breadth, "

" draught of water, feet

MEASUREMENT FOR TONNAGE.			Cubic Feet.	Gross Tonnage.	Deduct 33 1/3 per cent.	Tonnage for License.	Fee.
Length, Feet.	Breadth, Feet.	Depth, Feet.					
							RS. A. P.

Number of tons

Fee paid Rupees

Date of issue

Issued by the Registry Officer at

Signature

Inspection Certificate for Steam Vessel.

Delta.

No.

Name of owner

Residence of owner

Name of vessel

Vessel built at

" " in the year

Description of propeller

" of engines

" of boiler

Working pressure of steam

Extreme length, feet

" breadth, "

" draught of water, feet

N.B.—This certificate will cease to be of value 12 months after its date—vide Rule XV. 12-13.

The steamer above described has been inspected under Rule XV-1, and is certified to be admissible to the Delta Canals.

Date of issue _____

Issued by the Registrar Officer at _____

Signature _____

BYE-LAWS.

No vessel shall moor on towing path side if there be only one tow-path, or on windward side of a canal if there be two tow-paths, except when actually loading or unloading.

2. No cargo shall be loaded or unloaded and no passengers be shipped or landed at any lock, or on any masonry work other than the quays or wharfs specially provided for the purpose.

3. No vessel shall be repaired in any canal at any time without the written permission of the Registry Officer or Executive Engineer, and then only at the place and during the time named in the written permission. Materials used in the repair of vessels will, unless removed from the canal before or at the time of the vessel's departure, be confiscated, and any expense incurred in their removal must be paid by the owner of the vessel under penalty of suspension of license until it be paid.

4. No vessel shall moor in a lock channel, either above or below a lock, as defined in each case by notice boards put up by the Executive Officer or under his orders.

5. Vessels when moored shall have masts down; shall be made fast head and stern to the bank, in a single line; and shall be left in charge of a man.

6. When vessels meet, that going with the current shall give way; that going against the current shall hold its course. Steamers will, however, give way in all cases to other vessels.

7. In the case of vessels going the same way, cargo vessels shall give way to passenger vessels, and steamers to both.

8. No person, unless duly authorised, shall interfere with the locks or their machinery.

9. No raft of larger dimensions than 95 feet by 13 feet or of more than 3 feet draught will be allowed on the canals, and rafts found in excess of these dimensions will be stopped until they are reduced and a fresh fee of 1 Rupee paid under Rule XIII.

10. Every licensed vessel shall have its license always on board, and shall produce the same to the Executive Engineer, or other Government officer having authority to demand it, failing which the owner will be obliged to take out a fresh license under the rules.

11. When required by the Executive Engineer, the Superintendent or Assistant Superintendent of Police, or by a Magistrate a passenger vessel must stop at any place to have the number of passengers on board counted and the cargo weighed. The Executive Engineer is also authorised, at his discretion, to specially empower in writing any Sub-divisional Officer to examine passenger vessels, should he find it necessary to do so.

12. Every cargo vessel must carry at least one clear and bright light between sunset and sunrise, which light must be fixed not less than four feet above water, at the up-stream end of the vessel when moored, and at the fore end when moving.

13. Every passenger vessel must between sunset and sunrise carry two lights at least, one for the passengers below deck, and a second at not less than four feet above water, at the fore end when moving, and at the up-stream end when moored.

14. All vessels plying for hire shall be liable to inspection by Executive and Assistant Engineers who are hereby empowered to withdraw the licenses of

such as are not maintained in a proper state of repair or cleanliness, until they are fit for re-employment.

15. Executive Engineers and Assistant Engineers in charge of ranges shall have power to suspend the license of any vessel on account of the infringement of any of the rules or bye-laws by the crew, for periods not exceeding those noted below:—

For a first offence ... 15 days.

„ second „ ... 30 „

„ third „ ... 60 „

and for a 4th offence the license will be liable to be cancelled. Similarly unlicensed vessels will be liable to a summary fine not exceeding the amount of a toll ticket, or to exclusion from the canals for periods equal to those for which, if licensed, their licenses would be liable to suspension, or to both.

16. Superintending Engineers will exercise the same powers as Executive Engineers under these bye-laws.

17. The penalty for infringement of the latter part of Rule V, will be a double charge for the new license, in addition to any suspension of license which may be ordered.

18. No vessel exceeding 90 feet in length or 13 feet in breadth or the draught of which exceeds $2\frac{3}{4}$ feet will be allowed to enter or to navigate the canals without the special sanction in writing of a Registry Officer, which will be given only to meet exceptional cases, and no licenses (annual) will be issued to vessels exceeding these limits without the sanction of the Chief Engineer for Irrigation.

19. Officers in charge of canals are empowered summarily to remove vessels which may have sunk in a canal waterway, and to recover cost of removal afterwards.

Vessels sunk, abandoned or left for more than three days without a man in charge, will be dealt with as follows:—

(a) If the vessel be licensed a notice will be sent by post, by the Officer in charge of the canal, to the registered owner requiring him to remove the vessel within 15 days. Failing such removal the vessel will be sold by auction after giving not less than 15 days' notice of intended sale in the District Gazette;

(b) In the case of unlicensed vessels a notice will be published in the District Gazette requiring the removal of the vessel within 15 days, and stating that if not so removed the vessel will be sold by auction. Such sale may be fixed to take place on any date not prior to 30 days from the date of the publication of the notice to remove.

Owners applying to recover possession of vessels referred to in this bye-law must, before the removal of the vessels will be permitted, pay all expenses which may have been incurred.

The sale proceeds of a vessel sold under this bye-law will be available to meet all expenses incurred in the removal and sale of such vessel, and to repair all damage which may have resulted to the canal from its being sunk or abandoned therein. Any balance remaining will be paid to the owner if claimed within three months from the date of sale; otherwise such balance will be carried to the credit of Government.

(Signed) JOHN MULLINS, Lt.-Col., R.E.,
Chief Engineer for Irrigation.

No. 2. ORDER THEREON, 4th November 1878, No. 877 I.

HIS GRACE the Governor in Council having had under consideration the Rules and Bye-laws necessary for the regulation of the navigation of the canals of the Godavari and Kistna Deltas directs the adoption of these as detailed in these Proceedings, in substitution of those sanctioned in G.O., No. 691, of the 4th March 1873.

2. These Rules and Bye-laws will be published in the *Fort St. George Gazette* and in the *Godavari and Kistna District Gazettes*, and a sufficient number of copies

will be printed in English and Telugu for gratuitous distribution to the owners of vessels.

3. Executive Engineers of Divisions or the Officers in charge of Executive Divisions of the Deltas will be Registry Officers under the Rules.

4. His Grace in Council has resolved that all Government vessels requiring to navigate the canals shall be brought under the operation of the Rules and Bye-laws*
*So far as applicable.

instead of being, as heretofore, exempted from them. Such vessels therefore as may use the canals will be licensed or will pay toll as may be convenient under the circumstances. In order however to avoid the necessity of the revision of estimates to meet the additional charge, it is directed that the sums paid for licenses or tolls be debited to Revenue, Tools and Plant, Navigation Fees. Range boats will be treated under Rule XI. The licenses of Government vessels will not be suspended, but the crews will receive adequate punishment for infringement of the regulations, after a reasonable time for becoming acquainted with them shall have elapsed.

5. Fees received in the last quarter of one calendar year on account of licenses for the ensuing calendar year will apparently disturb the comparison between navigation receipts and charges, but if the receipts for each year be shown separately in the account,† an exact comparison can at any time be made.

†G.O., No. 662, 27th February 1877.

6. The Revised Rules and Bye-laws, so far as the provisions contained in them are new, will not be enforced until thirty days after their publication in the District Gazettes.

(True Extract.)

Ag
Joint Secy.

Lt.-Col., R.E.,
Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Superintending Engineer, First Circle.
" Chief Engineer for Irrigation.
" Collector of Godavari.
" " of Kistna.
" Revenue Department.
" Public
" Superintendent, Fort St. George Gazette Press.

6010 March 73 at 45 m
20 - 78 - 1628 -

Revenue Dept

IRRIGATION.

No 5216.

Govt. of (1878) Madras.

PUBLIC WORKS.

To

THE SUPERINTENDING ENGINEER,
FIRST CIRCLE,
&c., &c., &c.

Dated November 4th.

Issued.

Recd. 26 November Encl.

G. O., 4th November 1878, No. 877 L.

NOVEMBER

Nos. 1-2.

No 2905 - 27 November 1878

With an order

Revised Rules and Bye-laws for the Regulation of the Navigation of the Canals of the Godavari and Krishna Deltas. — Directing the adoption of the — as detailed in these Proceedings in substitution of those sanctioned in G.O., No. 691, of 4th March 1873.

11 Feb. Passing Revenue Division

Communicated to the Board of Revenue.

No 2905

27 Nov 78

sent
my file copy
X