

INTERNATIONAL COURT OF JUSTICE

**CASE CONCERNING SOVEREIGNTY OVER
PEDRA BRANCA / PULAU BATU PUTEH,
MIDDLE ROCKS AND SOUTH LEDGE
(MALAYSIA / SINGAPORE)**

**MEMORIAL OF
SINGAPORE**

VOLUME 6

(Annexes 88 to 148)

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The Johore Constitution Supplement, 1367 (State of Johore)

TRANSLATION.SUPPLEMENT TO THE CONSTITUTION OF
THE STATE OF JOHORE, 1367.

IBRAHIM (IN MALAY AND ENGLISH)

M.G.

(RULER'S SIGN MANUAL)

SEAL OF THE
STATE

In the name of GOD, the Compassionate, the Merciful, PRAISE be to GOD, the Lord of the Universe, and may the benediction and peace of GOD be upon Our Leader Muhamed and upon all His Relations and Friends.

BY THE GRACE OF GOD, IBRAHIM, of the State and Territory of Johore and all its Dependencies, Sultan and Sovereign Ruler, Sovereign and Chief of the Most Esteemed Family Order and Sovereign and Chief of the Most Honourable Order of the Crown of Johore.

WHEREAS WE, with the advice, opinion and counsel of the Members of OUR Council of Ministers and with the advice and concurrence of the Members of Our Council of State, have entered into a fresh Agreement with SIR GERARD EDWARD JAMES GENT, K.C.M.G., D.S.O., O.B.E., M.C., on behalf of HIS MAJESTY THE KING on the tenth day of the month of Rabi-ul-Awal, One thousand three hundred and sixty-seven of the Hedjira, corresponding to the 21st day of January, One thousand nine hundred and forty-eight (1948) of the Christian era (therein and hereinafter called the Johore Agreement, 1948), and also have entered into a further Agreement with SIR GERARD EDWARD JAMES GENT aforesaid on behalf of HIS MAJESTY THE KING on the same date (therein and hereinafter called the Federation of Malaya Agreement, 1948):

AND WHEREAS, it is necessary that WE should add to and enlarge the limits of the Constitution of the State and in particular with regard to the membership, powers, duties and functions of Our Executive Council and of Our Council of State:

NOW THEREFORE WE, by the Rights and Powers of OUR Prerogatives as Sultan and Sovereign Ruler of the State of Johore, and with the advice, opinion and

counsel of OUR Council of Ministers and with the advice and concurrence of OUR Council of State, do **HEREBY DECLARE AND ORDAIN** in OUR name, and on OUR behalf, and for and on behalf of OUR Successors, as hereinafter follows :

This Law a Supplement to the Constitution of 1895.

I. (1) This Law is a Supplement to the Law of the Constitution of 1895 which, as enlarged and modified by subsequent Supplements thereto and by this Law, is in full force and effect.

Short title and commencement.

(2) This Law may be cited as "the Johore Constitution Supplement, 1367" and shall come into effect forthwith, and shall be read with the Johore Agreement, 1948, and the Federation of Malaya Agreement, 1948.

Interpretation.

II. (i) In this Law, unless the context otherwise requires :

"British Adviser" means the officer appointed by virtue of Clause 4 of the Johore Agreement, 1948;

"the Constitution of the State" means the Law of the Constitution of 1895, and all subsequent Supplements to that Law in force from time to time including this Law;

"Council of State" means the Council heretofore known as the Meshuarat Kerajaan established under the provisions of the Constitution of the State and hereafter to be known as the Majlis Meshuarat Negri and to be regulated under the provisions of this Law;

"Deputy Mentri Besar" means the Minister appointed by virtue of Article XXXIV of the Law of the Constitution of 1895;

"Federal Citizen" means a Citizen of the Federation of Malaya by virtue of the provisions of Clause 124 or Clause 125 of the Federation of Malaya Agreement, 1948;

"financial year" means a year beginning on the first day of January and ending on the thirty-first day of December;

"*Gazette*" means the official *Gazette* of the Federation of Malaya or the part of such *Gazette* which comprises the official *Gazette* of the State of Johore;

"High Commissioner" means the High Commissioner of the Federation of Malaya;

“His Highness” means the Sultan and Sovereign Ruler of the State of Johore and includes His Successors and, where the context admits, His Predecessors; and in the case of a Regency, includes the Regent, or if there is a Council of Regency, such Council;

“His Highness in Council” means His Highness acting after consultation with the Executive Council of the State but not necessarily in accordance with the advice of such Council nor necessarily in such Council assembled;

“the Law of the Constitution of 1895” means the Law of the Constitution of the State of Johore granted by His Highness the late Sultan Abu Bakar and confirmed by US on the 24th day of Rabil-Awal, 1313, corresponding to the 14th day of September, 1895;

“Legal Adviser” means the officer in the State appointed as such under sub-clause (3) of Clause 85 of the Federation of Malaya Agreement, 1948;

“Malay” means a person who

- (i) habitually speaks the Malay language; and
- (ii) professes the Muslim religion; and
- (iii) conforms to Malay custom;

“Malay custom” means Malay custom as from time to time observed in the State or in any particular area within the State, as the case may require;

“meeting” means any sitting or sittings of a Council constituted under the Constitution of the State, commencing when the Council first meets after being summoned at any time and terminating when the Council is adjourned *sine die* or at the conclusion of a session without adjournment;

“Mentri Besar” means the Chief Minister and Senior Executive Officer appointed by virtue of Article V of this Law;

“State” means the State of Johore and includes all the Dependencies, Islands and places which, on the first day of December, 1941, were administered as part thereof, and the territorial waters adjacent thereto;

“State Executive Council” means the Council heretofore known as the Meshuarat Kerja Dewan established under the provisions of the Supplement dated the 17th day of September, 1912, to the Law of the Constitution of 1895 and hereafter to be known as the Majlis Meshuarat Kerajaan and to be regulated under the provisions of this Law;

“State Financial Officer” means the officer appointed by His Highness the Sultan by notification in the *Gazette* to be the principal officer in charge of the financial affairs of the State;

“State Seal” means the Public Seal of the State;

“State Secretary” means the officer appointed by His Highness by Instrument under His Sign Manual and the State Seal, to be the principal officer in charge of the administrative affairs of the State;

“subject of His Highness” means for the purposes of Articles XXIII, XXV and XL of this Law any person who

- (i) belongs to an aboriginal tribe resident in the State; or
- (ii) is a Malay born in the State or born outside the Malay States of a father who was, at the time of the birth of such person, a subject of His Highness; or
- (iii) is a person naturalised as a subject of His Highness under any law for the time being in force.

(ii) Whenever reference is made in this Law to a public officer by the term designating his office, such reference means the officer for the time being lawfully discharging the functions of that office;

(iii) A person shall not be deemed to hold an office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation by reason only that he is in receipt of a pension or other like allowance in respect of service under the Government

of the State or of the Federation of Malaya or under any Government in the Federation, and, if the High Commissioner shall make any notification by virtue of the powers conferred upon him by paragraph (b) of sub-clause (4) of Clause 2 of the Federation of Malaya Agreement, 1948, this Law shall be read subject to such notification.

EXECUTIVE AUTHORITY.

III. The executive authority of the State shall be exercised by His Highness either directly or through officers of the Government of the State but nothing herein shall prevent the Council of State from conferring functions upon other persons or authorities within the State.

Exercise of
Executive
Authority.

IV. All executive action of the Government of the State shall be expressed to be taken in the name of His Highness.

Executive
action to be
in the
name of His
Highness.

V. (1) His Highness shall appoint, by Instrument under His Sign Manual and the State Seal, a Mentri Besar, who shall be the Chief Minister and Senior Executive Officer of the State.

Appointment
of Mentri
Besar.

(2) The choice and appointment of the Mentri Besar shall be the absolute right of the Sovereign but no person shall be appointed to be Mentri Besar unless he is of the Malay race and professes the Muslim Religion.

VI. (1) His Highness shall appoint, by Instrument under His Sign Manual and the State Seal, a State Secretary, who shall be the principal officer in charge of the administrative affairs of the State.

Appointment
of State
Secretary.

(2) No person shall be appointed to be State Secretary unless he is of the Malay race and professes the Muslim Religion.

VII. His Highness shall appoint, by notification in the *Gazette*, a State Financial Officer to be the principal officer in charge of the financial affairs of the State.

Appointment
of State
Financial
Officer.

STATE EXECUTIVE COUNCIL.

VIII. The State Executive Council, to be called in Malay "Majlis Mesuarat Kerajaan", is established to aid and advise His Highness in the exercise of His functions.

The State
Executive
Council.

Membership and appointment.

IX. (1) The State Executive Council shall consist of six *ex officio* Members, that is to say, the Mentri Besar, the Deputy Mentri Besar, the British Adviser, the State Secretary, the Legal Adviser, and the State Financial Officer, together with not less than four Members (hereinafter called Official Members) who hold office of emolument under the Government of the State or under the Government of the Federation of Malaya, to be appointed by His Highness either by office or by name and not more than five Members (who shall be called Unofficial Members) not holding office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government therein :

Provided that His Highness may appoint as Unofficial Members persons holding offices of emolument as aforesaid whom he considers suitable for such appointment.

(2) The Members of the Council (save *ex officio* Members) shall be appointed by His Highness by Instrument under His Sign Manual and the State Seal.

Oath of Office.

X. Except for the purpose of enabling this Article to be complied with, no Member shall sit or vote in the State Executive Council until he shall have taken and subscribed before His Highness or some person authorised by His Highness in that behalf, the following Oath:

I,....., being chosen and admitted of the Majlis Meshuarat Kerajaan or State Executive Council of the State of Johore do swear that I will, to the best of my judgment at all times when thereto required, freely give my counsel and advice to His Highness the Sultan for the good management of the public affairs of the said State; that I will not directly or indirectly reveal such matters as shall be communicated to me or debated in Council and committed to my secrecy, but that I will in all things be a true and faithful Councillor",

to which Oath shall be added the words "So help me GOD" or such other words as will, according to his religious belief, bind the conscience of the person taking the Oath.

XI. (1) Subject to the provisions of this Law, every Official or Unofficial Member of the State Executive Council shall hold his seat in Council for three years from the date of the Instrument by which he is appointed or until such earlier date as may be provided by that Instrument, unless previously thereto his seat shall become vacant under the provisions of this Law :

Tenure of
Office.

Provided that if any person is appointed to be a Temporary Member of the Council and his temporary appointment is immediately followed by his definitive appointment, the said period of three years shall be reckoned from the date of the Instrument by which he is temporarily appointed.

(2) The seat of a Member of the State Executive Council (other than an *ex officio* Member) shall become vacant

- (a) upon his death; or
- (b) if, being an Official Member, he shall cease to hold office of emolument under the Government of the State or under the Government of the Federation of Malaya; or
- (c) if, being a person not holding office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation at the date of his appointment to the State Executive Council, he shall be appointed permanently to any such office; or
- (d) if he shall by writing under his hand addressed to His Highness through the State Secretary resign his seat on the State Executive Council; or
- (e) if he shall be absent from the State without written permission from the Mentri Besar on behalf of His Highness :

Provided that a Member shall not be deemed to be absent from the State for the purposes of this paragraph by reason only of absence for a period not exceeding one month.

(3) Any person vacating a seat as a Member of the State Executive Council may, if qualified, be again appointed from time to time.

(4) If an Unofficial Member shall be appointed temporarily to, or to act in, any office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation, he shall not sit as an Unofficial Member of the State Executive Council so long as he continues to hold or act in that office.

(5) His Highness may, by Instrument under His Sign Manual and the State Seal, suspend any Official or Unofficial Member from the exercise of his functions as a Member of the State Executive Council.

(6) Every such suspension shall remain in force unless and until it shall be removed by His Highness by Instrument under His Sign Manual and the State Seal, or the person suspended ceases to be a Member of the State Executive Council.

(7) His Highness may, by Instrument under His Sign Manual and the State Seal, declare any Official or Unofficial Member to be incapable of discharging his functions as a Member of the State Executive Council, and thereupon such Member shall not sit or vote in the Council until he is declared in manner aforesaid to be again capable of discharging his said functions.

Temporary
appoint-
ments.

XII. (1) Whenever there shall be a vacancy in the number of persons sitting in the State Executive Council by reason of the fact that

- (a) one person is lawfully discharging the functions of more than one of the officers specified in Article IX; or
- (b) no person is lawfully discharging the functions of one of those officers; or
- (c) a Member is suspended from the exercise of his functions as a Member; or
- (d) the seat of a Member is vacant for any cause; or
- (e) a Member is unable to sit or vote in the Council in consequence of a declaration by His Highness, as provided in paragraph (7) of Article XI that he is incapable of discharging his functions as a Member; or

- (f) a Member is absent from the State; or
- (g) an Unofficial Member has been appointed temporarily to, or to act in, any office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation;

a person may be appointed a Temporary Member for the period of such vacancy.

(2) The said person shall be appointed by His Highness by Instrument under His Sign Manual and the State Seal and

- (a) in the case of a vacancy in the number of persons sitting in the State Executive Council as *ex officio* Members, shall be a person qualified for appointment as an Official Member; and
- (b) in the case of a vacancy in the number of persons sitting in the State Executive Council as Unofficial Members, shall be a person qualified for appointment as an Unofficial Member.

(3) Every person so appointed shall, as long as his appointment shall subsist, be to all intents and purposes

- (a) in the case of a vacancy in the number of persons sitting in the State Executive Council as *ex officio* Members or as Official Members, an Official Member;
- (b) in the case of a vacancy in the number of persons sitting in the State Executive Council as Unofficial Members, an Unofficial Member;

and subject to the provisions of this Article, the provisions of Article XI shall apply accordingly:

Provided that, in the case of a vacancy in the number of persons sitting in the State Executive Council as *ex officio* Members, the person so appointed shall not be regarded as an Official Member in computing the number of such persons for purposes of Article IX.

(4) Any such temporary appointment may (without prejudice to anything done by virtue thereof) be revoked by His Highness by Instrument under His Sign Manual and the State Seal.

(5) A temporary appointment under this Article shall cease to have effect on notification by the State Secretary to the person appointed of the revocation of his appointment or on supersession of the appointment by the definitive appointment of a person to fill the vacancy, or when the vacancy shall otherwise cease to exist.

Precedence
of Members.

XIII. The Members of the State Executive Council shall take precedence as follows:

First, the *ex officio* Members in the order in which they are specified in Article IX;

Secondly, the Official Members appointed under Article IX according to the priority of their appointments as Official Members or if appointed on the same day, in such order as may be assigned by His Highness;

Thirdly, the Official Members temporarily appointed under Article XII in such order as may be assigned by His Highness;

Fourthly, the Unofficial Members in order according to the dates when they were first appointed to be Members, or Temporary Members, as the case may be, of the State Executive Council, and, in the case of more than one appointment on the same day, in such order as may be assigned by His Highness:

Provided that, where a member is re-appointed to fill a vacancy caused by the termination of his own term of office, the date from which he has been continuously a Member of the Council (any interval between such termination and re-appointment being disregarded) shall be regarded as the date of his appointment for the purpose of this Article.

Summoning
and quorum.

XIV. (1) The State Executive Council shall not be summoned except by command of His Highness.

(2) The State Executive Council shall not be disqualified for the transaction of business by reason of any vacancy among the Members; but no business except that of adjournment shall be transacted if

objection is taken by any Member present that there are less than four Members present besides His Highness or the Member presiding.

XV. His Highness shall, so far as practicable, attend and preside at all meetings of the State Executive Council and, in His absence, any Member appointed by Him in writing or, in the absence of such Member, or, if no such appointment be made, the Senior Member of the Council actually present shall preside.

His Highness to preside.

XVI. His Highness shall consult with the State Executive Council in the execution of all His Powers and authorities except in cases

Consultation with Executive Council.

- (a) which are of such a nature that, in his judgment, the service of His Highness or the public interest, would sustain material prejudice by consulting the Council thereupon; or
- (b) in which the matter to be decided shall be too unimportant to require their advice; or
- (c) in which the matters are too urgent to admit of their advice being given by the time within which it may be necessary for him to act; provided that in this last case, He shall, as soon as practicable, cause to be communicated to the Council the measures which He shall have adopted with the reasons therefor.

XVII. His Highness or the State Secretary shall alone be entitled to submit questions to the State Executive Council, but if the State Secretary declines to submit any question to the Council when requested in writing by any member so to do, it shall be competent to such member to require that there be recorded upon the Minutes his written application together with the answer returned by the State Secretary thereon.

His Highness or State Secretary to submit questions.

XVIII. (1) His Highness may act in opposition to the advice given to Him by Members of the State Executive Council, if in any case it shall in His judgment be right so to do, but in any such case He shall record fully in writing for inclusion in the Minutes, the grounds and reasons for His decision.

His Highness may act in opposition to State Executive Council.

(2) In every such case it shall be competent to any Member of the Council to require that there be recorded upon the Minutes any advice or opinion that he may give upon the question and the grounds therefor.

Minutes. XIX. (1) Minutes shall be kept of all the proceedings of the State Executive Council.

(2) At every ordinary meeting of the Council the Minutes of the last preceding meeting shall be confirmed, with or without amendments as the case may require, before proceeding to the despatch of any other business.

Official language. XX. The official language of the State Executive Council shall be Malay :

Provided that—

- (a) with the consent of His Highness or the presiding Member, any Member may speak in English; and
- (b) an official English version shall be provided of anything which is required to be printed or reduced into writing, and such version if published in the *Gazette*, shall be accepted without question in all Courts in the Federation.

MAJLIS MESHUARAT NEGRI.

Council of State. XXI. The Majlis Meshuarat Negri Johore, to be called in English the Council of State of Johore, is established and shall hereafter exercise the legislative powers conferred upon it by Article XXXI of this Law.

Membership and appointment. XXII. (1) The Council of State shall consist of the Mentri Besar as President, five *ex officio* Members, that is to say, the Deputy Mentri Besar, the British Adviser, the State Secretary, the Legal Adviser and the State Financial Officer, together with not more than twelve Members (hereinafter called Official Members) who hold office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government therein, to be appointed by His Highness either by office or by name and not less than twenty Members

(who shall be called Unofficial Members) not holding office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government therein :

Provided that His Highness may appoint as Unofficial Members persons holding office of emolument as aforesaid whom he considers suitable for such appointment.

(2) The Members of the Council (save the Mentri Besar and the *ex officio* Members) shall be appointed by His Highness by Instrument under His Sign Manual and the State Seal.

XXIII. Subject to the provisions of this Law, any person who is

Qualifica-
tion of
Members.

- (a) of the age of twenty-one years or upwards and who is a subject of His Highness; or
- (b) a Federal Citizen; or
- (c) in cases where His Highness shall think it desirable, a British subject;

shall be qualified to be appointed a Member of the Council of State and no other person shall be so qualified or shall sit or vote in such Council as a Member thereof :

Provided that it shall be sufficient if the first Members of the Council, not being subjects of His Highness or Federal Citizens under Clause 124 of the Federation of Malaya Agreement, 1948, or British subjects, shall possess qualifications for Federal Citizenship as specified in Clause 125 of the said Agreement, and undertake in writing to make application for Federal Citizenship as soon as it becomes possible so to do.

XXIV. No person shall be capable of being appointed an Official or Unofficial Member of the Council of State, or, having been appointed, shall sit and vote therein, who at the time of his appointment—

Disqualifi-
cation for
Member-
ship.

- (a) is a person found or declared to be of unsound mind under any law in force in the State or any part thereof or in the Federation of Malaya or any part thereof;

- (b) has, in any part of the State or of His Majesty's dominions or in any territory under His Majesty's protection or in which His Majesty has for the time being jurisdiction, been sentenced to death or to imprisonment (by whatever name called) for a term exceeding six months and has not either suffered the punishment to which he was sentenced or such other punishment as may by competent authority have been substituted therefor or received a free pardon; or
- (c) is an undischarged bankrupt having been so declared under any law in force in any part of the State or His Majesty's dominions or in any territory under His Majesty's protection or in which His Majesty has for the time being jurisdiction; or
- (d) is a party to, or a partner in a firm or director or manager of a company which is a party to, any subsisting contract with the Government of the State, or the Government of the Federation of Malaya or with any Government in the Federation, for or on account of the public service, or is otherwise to his knowledge interested in any such contract, and shall not have disclosed to His Highness the nature of such contract and his interest, or the interest of any such firm or company therein.

Tenure of
office of
Official and
Unofficial
Members.

XXV. (1) Subject to the provisions of this Law, every Official Member and Unofficial Member of the Council of State shall cease to be a Member at the end of three years from the date of the Instrument by which he is appointed, or at such earlier date as may be provided by such Instrument, or previously if his seat shall become vacant under the provisions of this Law.

(2) If a person is appointed a Temporary Member of the Council of State in accordance with the provisions of Article XXVI and such appointment is immediately followed by his definitive appointment

as a Member, the said period of three years shall be reckoned from the date of his appointment as a Temporary Member.

(3) The seat of a Member of the Council of State (other than an *ex officio* Member) shall become vacant

- (a) upon his death; or
- (b) if he shall, without the leave of the Mentri Besar, be absent from two consecutive meetings of the Council; or
- (c) if
 - (i) he shall cease to be a Federal citizen; or
 - (ii) having been appointed by virtue of the qualifications mentioned in paragraph (c) of Article XXIII, he shall cease to be a British subject; or
 - (iii) being a Federal citizen, he shall do any voluntary act which shall be declared by His Highness to be incompatible with his loyalty to the Federation of Malaya or to the State; or
 - (iv) being a British subject or a subject of His Highness the Ruler of any Malay State, he shall take any oath or make any declaration of allegiance, obedience or adherence to any foreign Power or State, or shall do, concur in or adopt any act done with the intention that he shall become a subject or citizen of any foreign Power or State; or
- (d) if he shall be declared a bankrupt under any law in force in the State or any part thereof or any part of His Majesty's dominions or in any territory under His Majesty's protection or in which His Majesty has for the time being jurisdiction; or

- (e) if in any part of the State or in any part of His Majesty's dominions or in any territory under His Majesty's protection or in which His Majesty has for the time being jurisdiction, he shall be sentenced to death, or imprisonment (by whatever name called) for a term exceeding six months; or
 - (f) if he shall be found or declared to be of unsound mind under any law in force in the State or in the Federation of Malaya or any territory comprised therein; or
 - (g) if he shall, by writing under his hand addressed to His Highness through the State Secretary, resign his seat in the Council; or
 - (h) if, being an Official Member, he shall cease to hold office of emolument under the Government of the State; or
 - (i) if, being an Unofficial Member, he shall, without the approval of His Highness, become a party to, or if any firm in which he is a partner, or any company of which he is a director or manager, shall become a party to, or if he shall be otherwise interested in, any contract with the Government of the State or with the Government of the Federation of Malaya or with any Government in the Federation for or on account of the public service and shall not, before the making of the contract, have disclosed to His Highness the nature of such contract and his interest or the interest of any such firm or company therein; or
 - (j) if, being a person not holding office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation at the date of his appointment to the Council of State, he shall be appointed permanently to any such office; or
- (4) If an Unofficial Member of the Council of State shall be appointed temporarily to, or to act in, any office of emolument under the Government of the State

or under the Government of the Federation of Malaya or under any Government in the Federation, he shall not sit or vote in the Council so long as he continues to hold, or to act in, that office.

(5) Any person vacating a seat as a Member of the Council of State may, if qualified, be again appointed as a Member from time to time.

(6) His Highness may, by Instrument under His Sign Manual and the State Seal, declare any Official or Unofficial Member to be incapable of discharging his functions as a Member of the Council, and thereupon such Member shall not sit or vote in the Council until he is declared, in manner aforesaid, to be again capable of discharging his said functions.

(7) His Highness may, by Instrument under His Sign Manual and the State Seal, suspend any Official or Unofficial Member from the exercise of his functions as a Member of the Council.

(8) Such suspension shall remain in force unless and until it shall be removed by His Highness by Instrument under His Sign Manual and the State Seal or the person suspended ceases to be a Member of the Council of State.

(9) All questions which may arise as to the right of any person to be or remain an Official or Unofficial Member shall be referred to and decided by His Highness in Council whose decision shall be final and shall not be called in question in any Court of the State or of the Federation of Malaya or any component part thereof.

XXVI. (1) Whenever there shall be a vacancy in the number of persons sitting in the Council of State as *ex officio* Members, or Official Members, or Unofficial Members, by reason of the fact that

Temporary
appoint-
ments.

- (a) one person is lawfully discharging the functions of more than one of the officers specified in Article XXII; or
- (b) no person is lawfully discharging the functions of one of those officers; or
- (c) an Official Member is lawfully discharging the functions of one of those officers; or

- (d) the seat of an Official or Unofficial Member is vacant for any cause; or
- (e) an Official or Unofficial Member is unable to sit or vote in the Council in consequence of a declaration by His Highness, as provided in paragraph (6) of Article XXV, that he is incapable of discharging his functions as a Member; or
- (f) an Official or Unofficial Member is suspended from the exercise of his functions as a Member; or
- (g) a Member is absent from the State; or
- (h) an Unofficial Member has been appointed temporarily to, or to act in, any office of emolument under the Government of the State or under the Government of the Federation of Malaya or under any Government in the Federation;

His Highness may, by Instrument under His Sign Manual and the State Seal, appoint a person to be a Temporary Member for the period of such vacancy.

(2) If the vacancy is in the number of persons sitting in the Council as *ex officio* Members or Official Members, the persons appointed shall be a person qualified for appointment as an Official Member; and if the vacancy is in the number of persons sitting in the Council as Unofficial Members, the person appointed shall be a person qualified for appointment as an Unofficial Member.

(3) Every person appointed to be a Temporary Member under this Article shall, as long as his appointment shall subsist, be to all intents and purposes

- (a) in the case of a vacancy in the number of persons sitting in the Council as *ex officio* Members or Official Members; an Official Member;
- (b) in the case of a vacancy in the number of persons sitting in the Council as Unofficial Members, an Unofficial Member;

and, subject to the provisions of this Article, the provisions of Article XXV shall apply accordingly.

(4) Such temporary appointment may (without prejudice to anything done by virtue thereof) be revoked by His Highness by Instrument under His Sign Manual and the Seal of the State.

(5) A temporary appointment under this Article shall cease to have effect on notification by the State Secretary on behalf of His Highness to the person appointed of the revocation of his appointment, or on supersession of the appointment by the definitive appointment of a person to fill the vacancy, or when the vacancy shall otherwise cease to exist.

XXVII. (1) The Mentri Besar may invite to any meeting of the Council of State any person, notwithstanding that such person may not be a Member of the Council, when in the opinion of the Mentri Besar, the business before the Council renders the presence of such person desirable.

Attendance
of persons
other than
Members.

(2) Any person so invited shall be entitled to take part in the proceeding of the Council relating to the business in respect of which he is invited as if he were a Member of the Council, except that he shall not have the right to vote in the Council.

XXVIII. The Mentri Besar shall, if present, preside at meetings of the Council of State and, in his absence, the Deputy Mentri Besar or if the Deputy Mentri Besar shall also be absent, the State Secretary, or, if the State Secretary shall also be absent, the Senior Member present shall preside.

President
of the
Council.

XXIX. No business except that of adjournment shall be transacted by the Council of State if objection is taken by any Member present that there are less than one-quarter of the Members present besides the Mentri Besar or other Member presiding.

Quorum.

XXX. After the Mentri Besar, the Members of the Council of State shall take precedence as follows:

Precedence
of Members.

First, the *ex officio* Members in the order in which they are mentioned in Article XXII;

Secondly, the Official Members appointed under Article XXII, according to the priority of their appointments as such, or, if appointed on the same day, in the order assigned by His Highness;

Thirdly, Official Members temporarily appointed under Article XXVI, according to the priority of their appointments or, if appointed on the same day, in the order assigned by His Highness;

Fourthly, the Unofficial Members appointed under Article XXII, according to the priority of their appointments as, such, or, if appointed on the same day, in the order assigned by His Highness;

Fifthly, the Unofficial Members temporarily appointed under Article XXVI, according to the priority of their appointments or, if appointed on the same day, in the order assigned by His Highness :

Provided that when a Member is reappointed to fill a vacancy caused by the termination of his own term of office, the date from which he has been continuously a Member of the Council (any interval between such termination and reappointment being disregarded) shall be regarded as the date of his appointment for the purpose of this Article.

LEGISLATION AND PROCEDURE.

Legislative
powers.

XXXI. (1) Subject to the provisions of the Federation of Malaya Agreement, 1948, it shall be lawful for the Council of State to pass laws on

(a) any subject, including the Muslim Religion or the Custom of the Malays, other than those in respect to which the Legislative Council of the Federation of Malaya has power to pass laws; and

(b) any other subject in respect to which, by virtue of a law made under Clause 48 of the Federation of Malaya Agreement, 1948, such Council is for the time being authorised to pass laws.

(2) Any law passed by the Council of State shall be void so far as it is repugnant to any law passed by the Legislative Council of the Federation of Malaya or having effect by virtue of a declaration made by the High Commissioner under the provisions of Clause 52 of the Federation of Malaya Agreement, 1948, or to any proclamation, rule, regulation, by-law, order or other Instrument lawfully made thereunder.

(3) Nothing in this Article shall prejudice the right reserved to US and Our Successors by Article LVI to declare and ordain a further Part or Parts of the Laws of the Constitution.

XXXII. (1) If His Highness shall consider that it is expedient in the interests of public order, public faith or good government in the State that any Bill introduced or any motion proposed for decision in the Council of State shall have effect, then, if the Council fail to pass such Bill or motion, within such time and in such form as His Highness may think reasonable and expedient, He may at any time in His discretion, notwithstanding any provisions in this Law or in any Standing Rules or Orders of the Council of State, declare that such Bill or motion shall have effect as if it had been passed by the Council, either in the form in which it was so introduced or proposed or with such amendments as He shall think fit which have been moved or proposed in the Council or in any Committee thereof, and thereupon the said Bill or motion shall have effect as it had been so passed, and, in the case of any such Bill, the provisions of paragraph (2) of Article XXXIV relating to assent shall apply accordingly.

Reserved
powers of
His
Highness.

(2) In this Article the expression "public order, public faith or good government" shall, without prejudice to its generality, include the following:

- (a) all matters affecting the Muslim religion and the Custom of the Malays;
- (b) rights and obligations of His Highness under the Johore Agreement, 1948, and the Federation of Malaya Agreement, 1948, and under any other Treaty or Agreement to which His Highness is a party; and
- (c) all matters pertaining to the creation or abolition of any public office and to the appointment, salary or other conditions of service of any public officer or officers.

XXXIII. Every Bill, other than a Private Bill, shall, save in cases of urgency to be certified in writing by the Mentri Besar, be published for general information in the *Gazette*.

Publica-
tion of
Bills.

Words of
enactment
and assent
to Bills.

XXXIV. (1) All laws passed by the Council of State shall be styled "Enactments" and the words of the enactment shall be "enacted by His Highness the Sultan with the advice and consent of the Council of State":

Provided that in the case of any law having effect by virtue of a declaration made by His Highness under Article XXXII the words of enactment shall be "enacted by His Highness the Sultan in accordance with Article XXXII of the Johore Constitution Supplement, 1367".

(2) No Bill passed by the Council of State shall become law until His Highness shall have given His assent thereto and shall have affixed the State Seal thereto and signed the same in token of assent.

(3) When a Bill is presented to His Highness, He shall declare that He assents or refuses to assent thereto.

(4) A law assented to by His Highness shall be published in the *Gazette* and shall come into operation on the date of such publication, or if it shall be enacted either in the law or in some other enactment (including any enactment in force when this Law comes into operation) that it shall come into operation on some other date, on that date.

Introduc-
tion of
Bills.

XXXV. Subject to the provisions of this Law and of the Standing Rules and Orders of the Council, any Member of the Council of State may introduce any Bill or propose any motion for debate in, or may present a petition to, the Council, and the same shall be debated and disposed of according to the Standing Rules and Orders:

Provided that, except with the recommendation or consent of the Mentri Besar signified thereto, the Council shall not proceed upon any Bill, amendment, motion or petition, which, in the opinion of the Mentri Besar or of the presiding Member, would

- (a) dispose of any public revenue or public funds of the State, or revoke or alter any disposition thereof or impose, alter, or repeal any rate, tax or duty; or
- (b) suspend the Standing Rules and Orders of the Council or any of them.

XXXVI. Except as otherwise therein provided, a law made under this Supplement, not being a State Government measure, intended to affect or benefit some particular person, association, or corporate body, shall not affect the rights of His Highness and His Successors or the rights of any body politic or corporate, or of any other person.

Private
Bills.

XXXVII. Subject to the provisions of this Law, the Council of State may, from time to time, make, amend and revoke Standing Rules and Orders for the regulation and orderly conduct of its own proceeding and the conduct of business and for the passing, intituling and numbering of Bills, and for the presentation thereof to His Highness for His assent, but no such Rules or Orders shall have effect unless and until they shall have been approved by His Highness.

Standing
Rules and
Orders.

XXXVIII. (1) Save as otherwise provided in this Law, all questions proposed for decision in the Council of State shall be determined by a majority of the votes of the Members present and voting.

Voting.

(2) The Mentri Besar shall not have an original vote but, if upon any question the votes shall be equally divided, he shall have a casting vote.

(3) In the absence of the Mentri Besar, the Member presiding shall have an original vote and also, if upon any question the votes shall be equally divided, a casting vote.

XXXIX. (1) The sessions of the Council of State shall be held at such times and places as the Mentri Besar shall from time to time appoint.

Sessions of
the Council
of State.

(2) There shall be a session of the Council once at least in every year, so that a period of twelve months shall not intervene between the last sitting in one session and the first sitting in the next session.

XL. (1) Except for the purpose of enabling this Article to be complied with, no Member shall sit or vote in the Council of State until he shall have taken

Oath of
Office.

and subscribed before the Mentri Besar or the presiding Member of the Council the following Oath of Office:

“I,....., do swear that I will well and truly serve in the office of Member of the Majlis Meshuarat Negri or Council of State for the State of Johore”;

and, if a subject of His Highness, until he shall also have taken and subscribed in similar fashion the following Oath of Allegiance:

“I,....., do swear that I will be faithful and bear true allegiance to His Highness (fill in Ruler's personal name), Sultan of Johore, His Heirs and Successors, according to Law”.

(2) To each such Oath shall be added the words “So help me God” or such other words as will, according to his religious beliefs, bind the conscience of the person taking the Oath.

Proroga-
tion.

XLI. His Highness may at any time, by Proclamation in the *Gazette*, prorogue the Council of State.

Minutes.

XLII. (1) Minutes shall be kept of all the proceedings of the Council of State.

(2) At every meeting of the Council of State the Minutes of the last preceding meeting shall be confirmed, with or without amendments as the case may require, before proceeding to the despatch of any other business.

Official
language.

XLIII. The official language of the Council of State shall be Malay:

Provided that—

- (a) with the consent of the Mentri Besar or the presiding Member, any Member may speak in English; and
- (b) an official English version shall be provided of anything which is required to be printed or reduced into writing, and such version if published in the *Gazette*, shall be accepted without question in all Courts in the Federation.

XLIV. Every Member of the Council of State may express his opinion freely upon any matter or question which comes for decision before the Council and shall not at any time be questioned by Government for anything said or done in Council.

Freedom of speech.

FINANCIAL.

XLV. The revenues of the State shall be derived from the sources set out in the Third Schedule to the Federation of Malaya Agreement, 1948, together with such other sums as may be allocated from time to time by the Legislative Council of the Federation of Malaya.

Revenue of the State.

XLVI. The expenditure of the State in relation to any of the matters set out in Part II of the Fourth Schedule to the Federation of Malaya Agreement, 1948, shall be met from the revenues of the State.

Expenditure of the State.

XLVII. In each financial year the State Executive Council shall prepare estimates of the revenue and expenditure of the State for the next ensuing year and shall transmit the same to the High Commissioner so as to reach him before the first day of September or such other day as the High Commissioner may appoint.

Preparation of estimates.

XLVIII. If the sum allocated to the State by the Legislative Council of the Federation of Malaya, as required by the provisions of paragraph (c) of sub-clause (2) of Clause 115 of the Federation of Malaya Agreement, 1948, is less than the sum for which the State has applied, the estimates submitted by the State Executive Council as prepared under the provisions of Article XLVII, shall be revised accordingly.

Revision, if necessary, of estimates.

XLIX. (1) The Mentri Besar shall cause to be laid before the Council of State the estimates as prepared under the provisions of Article XLVII, or as revised under the provisions of Article XLVIII as the case may require.

Supply Enactment.

(2) The necessary estimated expenditure for the State shall, in each year, be provided for by an annual Supply Enactment.

L. (1) If, in any financial year, further expenditure which cannot be met out of the revenue of the State shall become necessary, the Council of State shall pass

Further expenditure.

a resolution showing such sums as it may think necessary to be expended and the purposes for which such sums are to be expended and shall cause the same to be transmitted to the High Commissioner.

(2) Any additional expenditure shall be provided for by a Supplementary Supply Enactment.

Audit.

LI. The accounts of the Government of the State shall be audited as provided in Clause 122 of the Federation of Malaya Agreement, 1948.

GENERAL.

Affirmation in lieu of oath.

LII. In any case where an Oath is required by this Law, an affirmation may be substituted for and shall have the same validity as such Oath.

Copies and translation of this Law.

LIII. (1) Any copy of this Law, or of the English translation thereof, which purports to have been issued by or on behalf of His Highness, shall be deemed for all purposes whatsoever, to be a true and correct copy.

(2) Any such copy of the English translation of this Law shall be deemed for all purposes whatsoever, to be a true and correct translation of this Law.

Election of Members to the Council of State.

LIV. His Highness declares that He intends in due course to make provision for the election of Members to the Council of State and intends that, as soon as circumstances and local conditions in the State will permit, legislation shall be introduced into the Council of State for the election of Members to that Council and that this Law shall be amended accordingly.

Effect of this Law.

LV. (1) The provisions of this Law shall take effect as enlarging the limits of the Constitution of the State and as superseding

(a) Article XXXIV and Articles XLV to LI inclusive and LIII to LVI inclusive and LXIV of the Law of the Constitution of 1895;

(b) the Supplement to the Law of the Constitution of 1895 intitled Law of the Executive Council and dated the seventeenth day of September, 1912;

(c) the Supplement to the Law of the Constitution of 1895 relating to the Functions of the Executive Council dated the twenty-ninth day of June, 1914; and

(d) the Supplement to the Law of the Constitution of the State of Johore dated the eighteenth day of July, 1939.

(2) If there be any repugnancy between any of the provisions of this Law and any other provision of the Law of the Constitution of 1895 or of any Supplement thereto bearing date prior to the coming into operation of this Law, the provisions of this Law shall prevail.

LVI. (1) We do hereby reserve to Ourselves and Our Successors the power to declare and ordain further Laws of the Constitution as shall to Us or Our Successors from time to time seem expedient in such manner as shall not break or destroy the foundation or aim of the Constitution of the State.

Power reserved to ordain further Laws of the Constitution and to amend.

(2) We do likewise reserve to Ourselves and Our Successors, by and with the aid and concurrence of the Council of State to be signified by resolution upon a motion proposed for decision in that Council, power and authority, from time to time, to enlarge and extend, amend and revoke all or any of the provisions of the Constitution of the State in such manner as shall not break and destroy the foundation or aim of the Constitution of the State.

LVII. (1) We do hereby reserve to Ourselves and Our Successors by and with the aid and concurrence of the Council of State, to be signified by resolution upon a motion proposed for decision in that Council, the power and authority from time to time to determine and fix the interpretation, construction, rendering and meaning of all or any Articles in any of the Laws of the Constitution of the State of Johore or of any word or words contained in any such Article, if at any time We consider it proper and expedient so to do.

Power to interpret.

(2) If there shall, at any time, be no Ruling Sultan, then the power of interpretation reserved by paragraph (1) of this Article shall be exercisable by the Council of State.

(3) Any such interpretation, construction, rendering or meaning so determined and fixed shall become and be accepted as part of the Laws of the Constitution of Johore and shall not be called in question.

(4) Any such interpretation, construction, rendering or meaning so determined and fixed shall be published in the *Gazette* as a Supplement to the Laws of the Constitution of Johore.

(5) Where any Article in the Laws of the Constitution of Johore or any part of such Article has been incorporated in the same or similar words from the Federation of Malaya Agreement, 1948, the power to interpret such Article shall be exclusively exercisable as provided in Clause 153 of the said Agreement and the provisions of paragraph (1) of this Article shall not apply thereto.

Prerogatives of His Highness reserved.

LVIII. Except as expressed herein this Law shall not affect the prerogatives, power and jurisdiction of His Highness.

So be it. Such is the Supplement of the Constitution of the State of Johore.

Invocation.

MAY GOD, to whom be praise and Whose name be exalted, the King of Kings, vouchsafe His grace and may the Prophet Muhammed (on whom be the benediction and peace of GOD) grant his blessing to this Law of the Constitution of the State of Johore, for ever and ever.

Amen: O Lord of the Universe.

Done at Our Astana Besar at Johore Bahru, this 21st day of the month of Rabi-ul-Awal, the Hedjira of the Prophet (on whom be benediction and peace of GOD) One thousand three hundred and sixty-seven (1367) corresponding to the 1st day of February, One thousand nine hundred and forty-eight of the Christian Era, being the fifty-third year of Our reign.

Annex 89

Letter from the Director of Marine, Federation of Malaya to
the Master Attendant, Singapore dated 23 Sep 1952

AM.

CSO.11692/52/1A (1A)

MARINE HEADQUARTERS,

FEDERATION OF MALAYA,

P E N A N G.

23rd September, 1952.

The Master Attendant,
P.O. Box 747,
SINGAPORE.

Sir,

I have the honour to raise the subject of maintenance of Pulau Pisang Lighthouse and to say that as it is close to the coast of the Federation it would seem appropriate that it should be a commitment of this Government, and to suggest that responsibility for it should be assumed by us, in the same way as we have assumed responsibility for Pulau Merambong.

2. The matter will, of course, have to be raised formally between the two Governments, but I would be glad to have your views beforehand. If agreeable, and as it has been customary for Singapore to maintain the light, an arrangement no doubt could be made by which your department would continue to service the lighthouse at an agreed cost to this Government. The matter of lighthouse personnel would require careful consideration and your views on this would be appreciated.

I have the honour to be,

Sir,

Your obedient servant,

Sd. A.A. Martin

(A.A. Martin)

Director of Marine.

AAM/WM

Annex 90

Letter from the Master Attendant, Singapore to the Director of
Marine, Federation of Malaya dated 29 Sep 1952

COLONY OF SINGAPORE

OFFICE OF

Master Attendant,
Singapore.

29th Sept. 1952.



Sir,

In reply to your letter No. 1 in Marine
231/52 of 23rd September 1952.

2. The Land Office have been asked to investigate the facts of the position regarding the erection of lighthouses by the Straits Settlements Government on Pulau Pisang and also on Pedra Branca as presumably both places being off the Johore Coast belonged to the Unfederated State of Johore. It is possible that in the case of Pulau Pisang, the land on which the Lighthouse was built was alienated to the Crown under some agreement.

3. It is understood that the Straits Settlements Government were at no time responsible for Pulau Merambong.

4. I am not in favour of any change being made regarding existing commitments.

I am, Sir,
Your obedient servant,

[Signature]
Master Attendant,
Singapore.

The Director of Marine,
Federation of Malaya,
PENANG.

1 - OCT 1952

Annex 91

Letter from Master Attendant, Singapore to Colonial
Secretary, Singapore dated 6 Feb 1953

2

6/2

FEB 1953
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MA.180/52

CSO.11293/52

M.A. to Hon.C.S. ('F') - 6.2.53

COLONIAL SECRETARIAT
RE Horsburgh Lighthouse

The Chief Surveyor in a minute dated 7.10.52 to the Commissioner of Lands states:

"When Singapore Territorial Waters were being discussed in 1937 there seems to have been no mention of Horsburgh but in a minute of 14.7.52 to S.E.A. in CSO. 11293/52 I gave my opinion that Singapore should claim a 3 mile limit round this point."

In the light of the above, may I please be informed if any decision has been arrived at.

[Signature]
Master Attendant,
Singapore

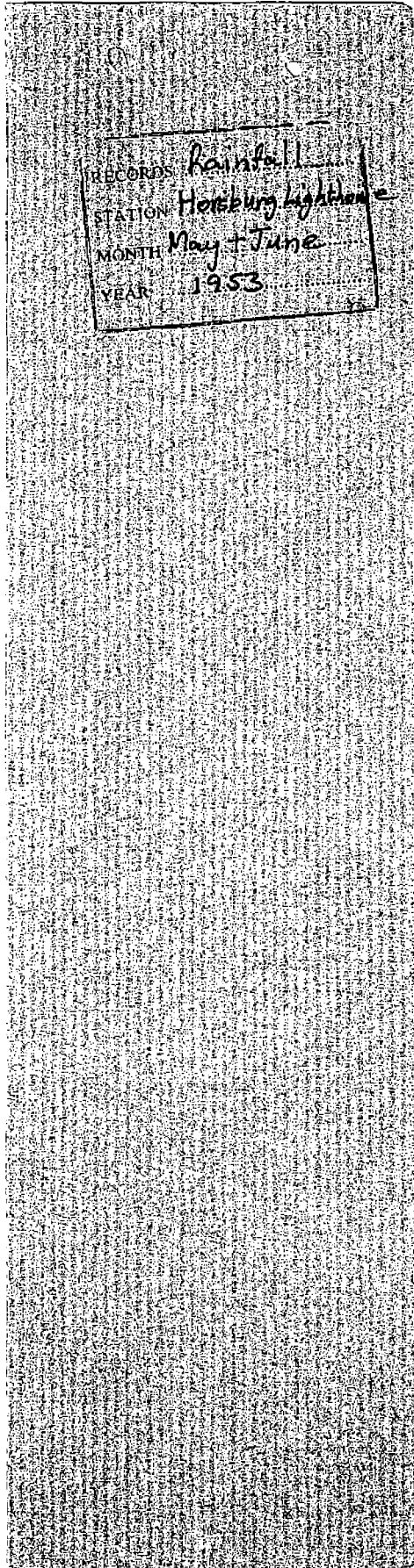
To
A.S. (F)
7 FEB 1953
DEPARTMENT OF COMMERCE & SUPPLY
SINGAPORE

Annex 92

Rainfall records of Pedra Branca from 1953 to 1988

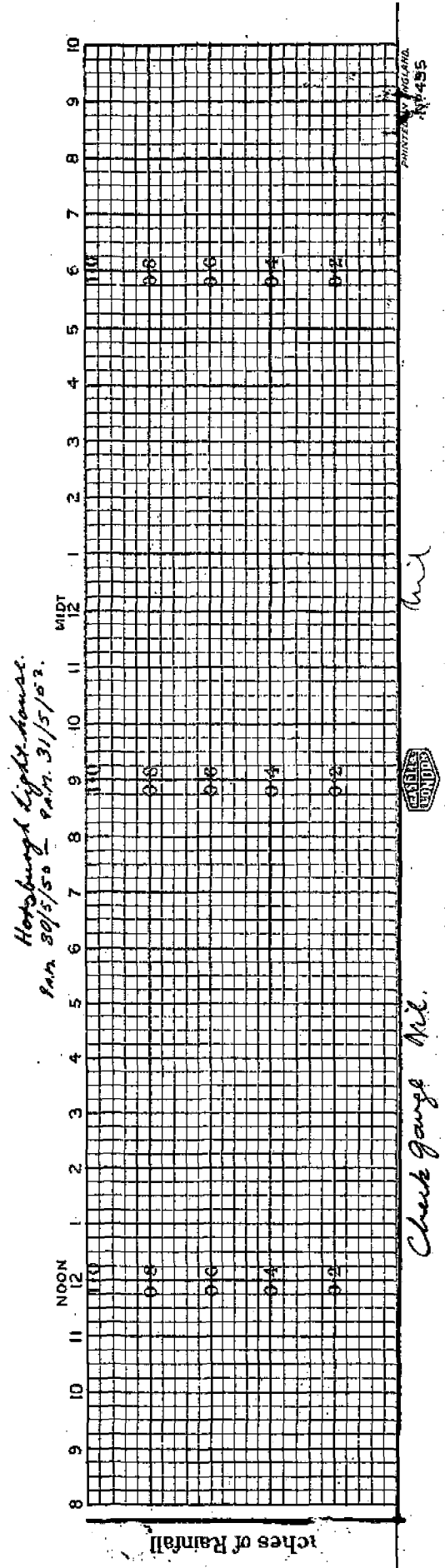
- (i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988**
- (ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department**
- (iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department**

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

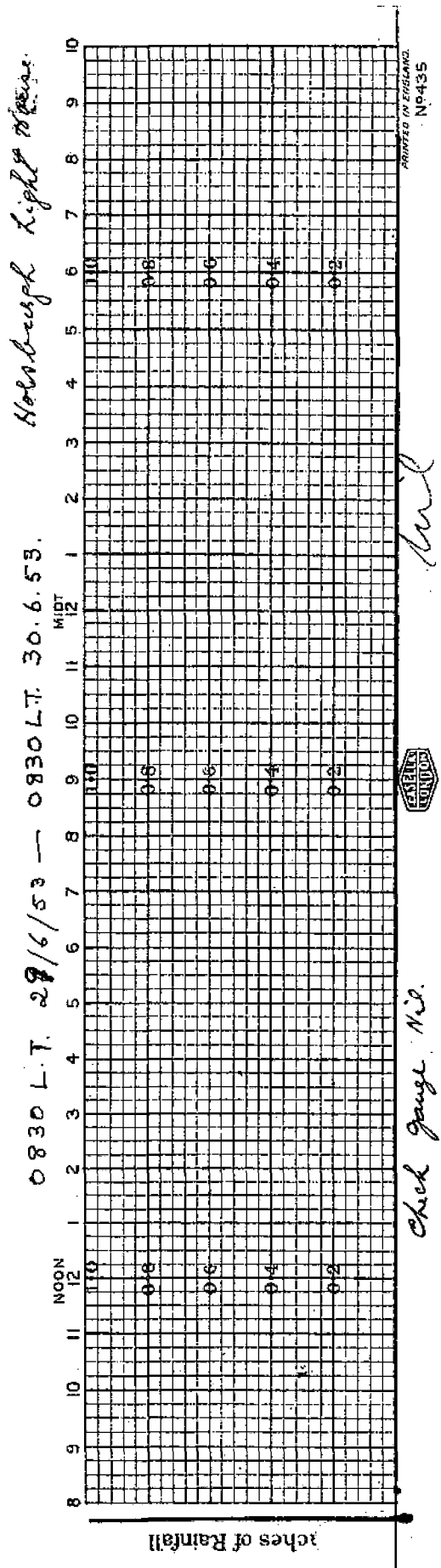


RECORDS Rainfall
STATION Horsburg Lighthouse
MONTH May + June
YEAR 1953

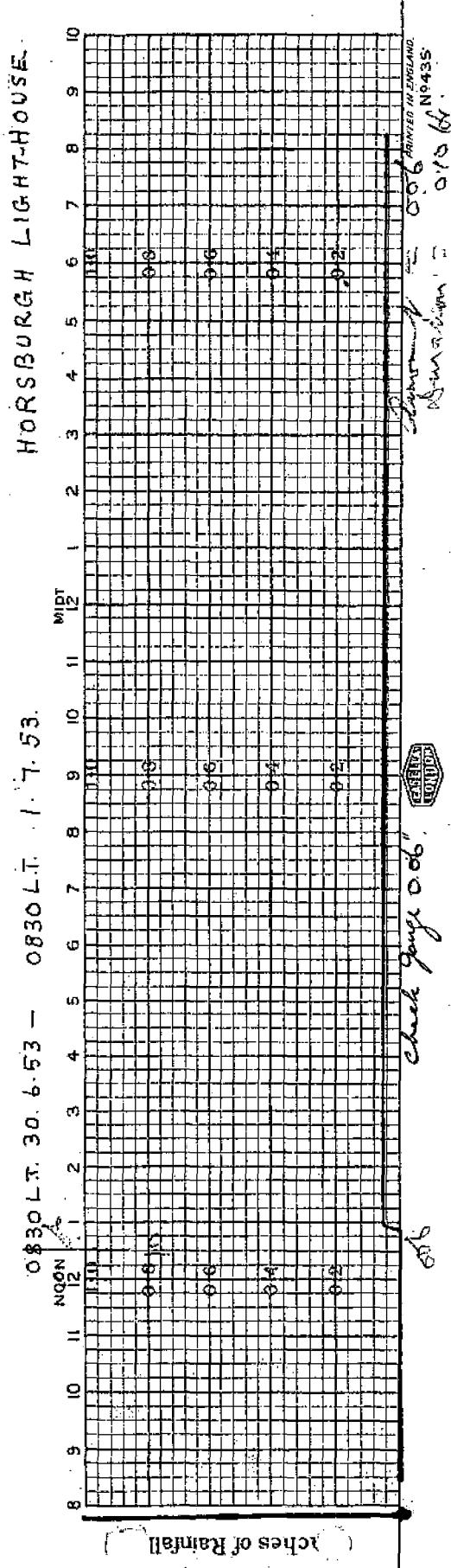
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



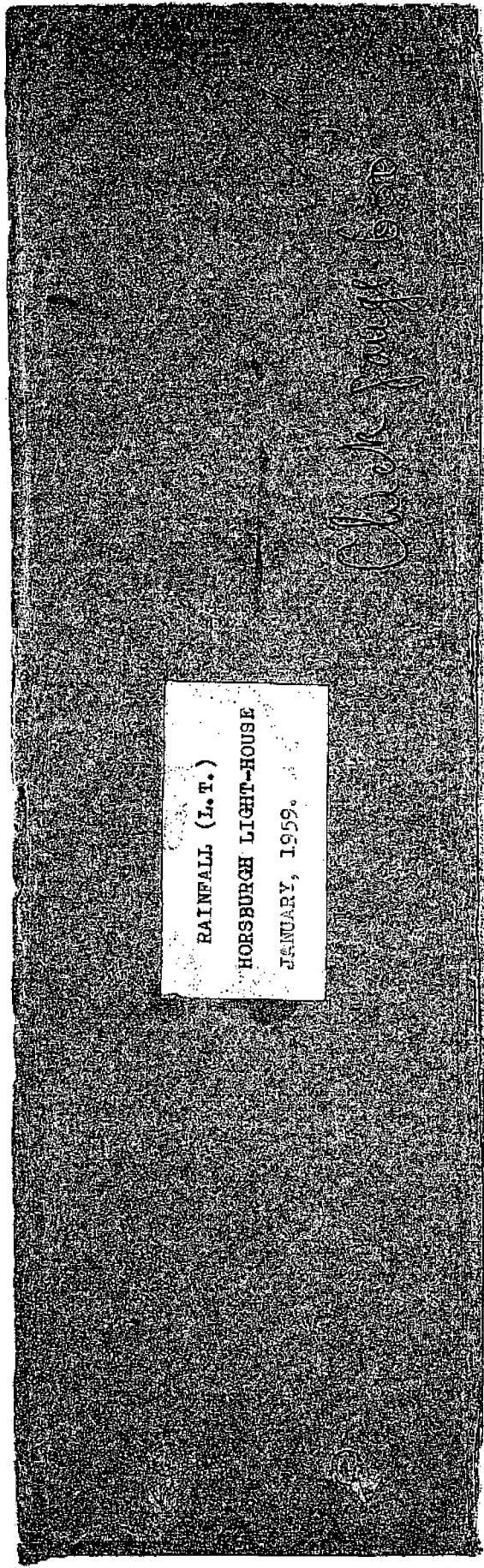
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



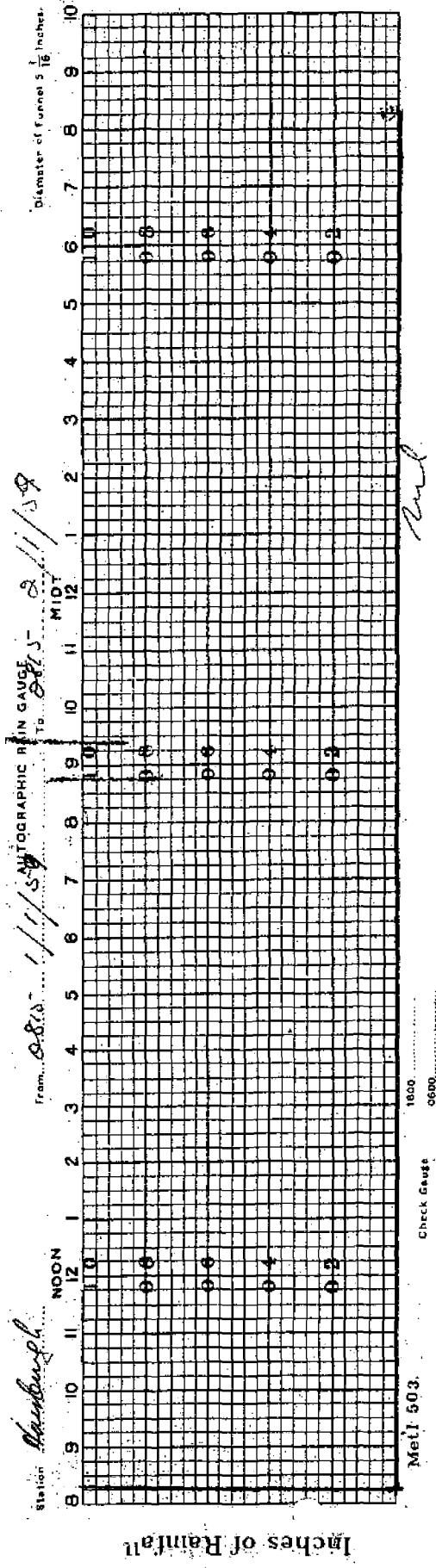
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



RAINFALL (L. T.)
HORSBURGH LIGHT-HOUSE
JANUARY, 1959.

Chick J. [unclear]

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

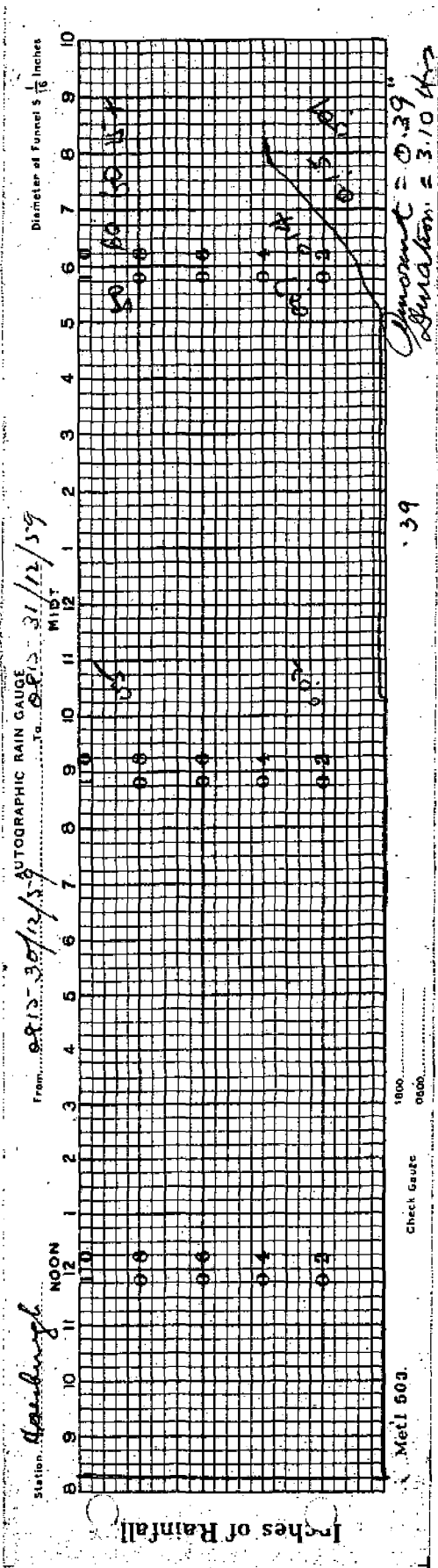


(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

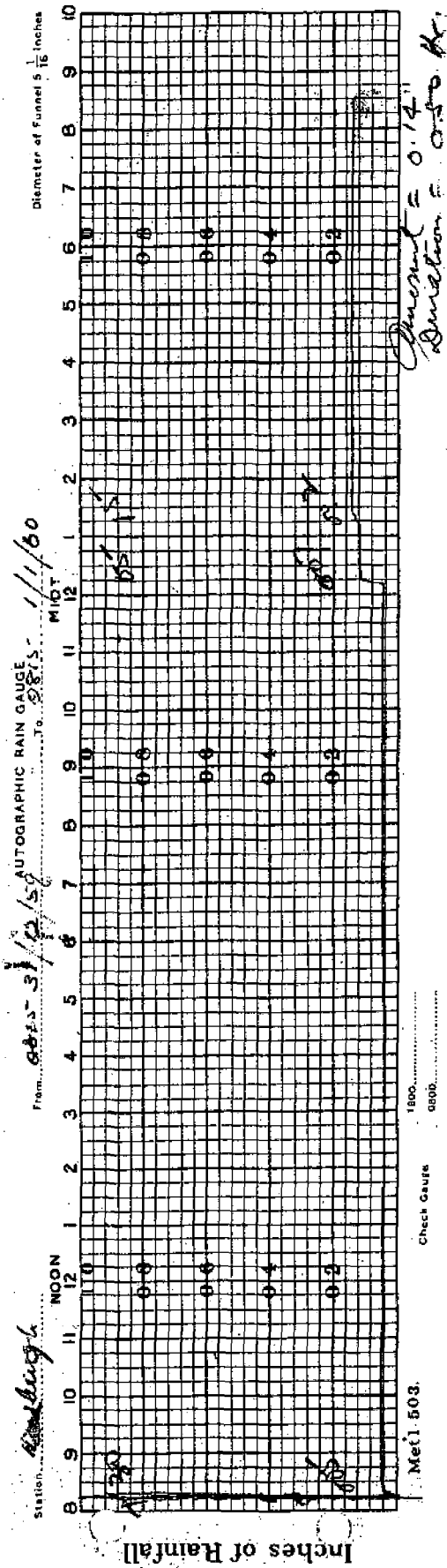
10 80

RECORDS	Rainfall
STATION	Horseburg Lighthouse
MONTH	December
YEAR	1959

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



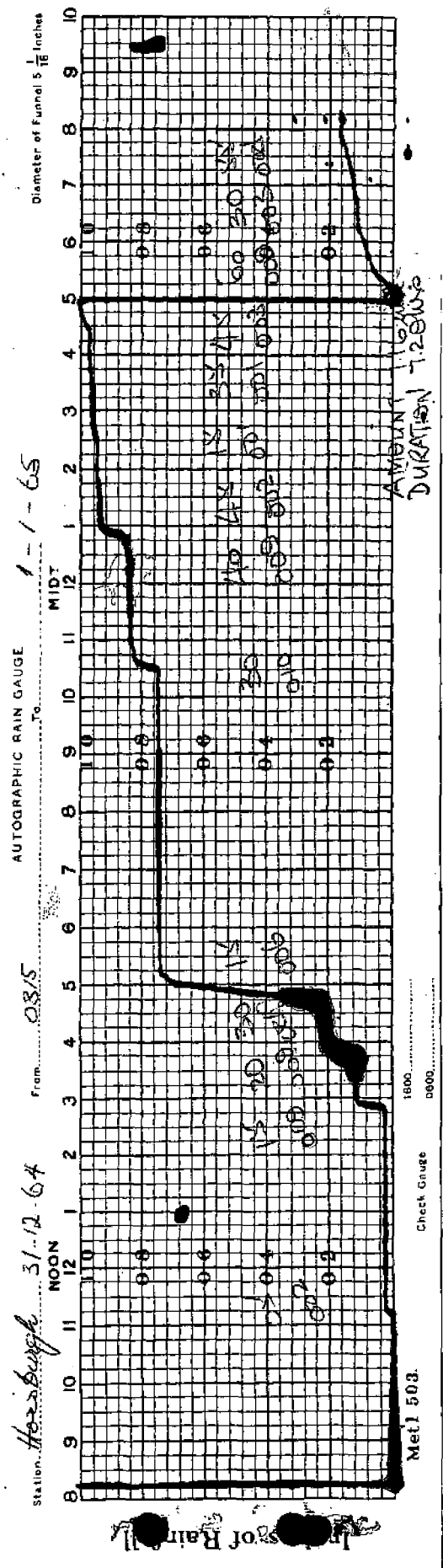
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



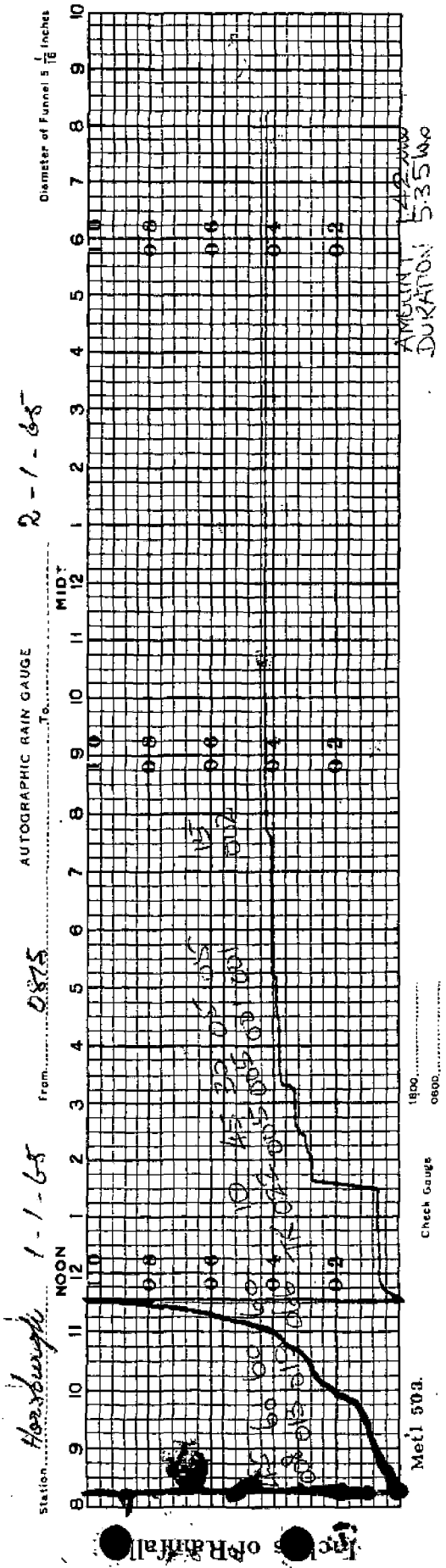
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



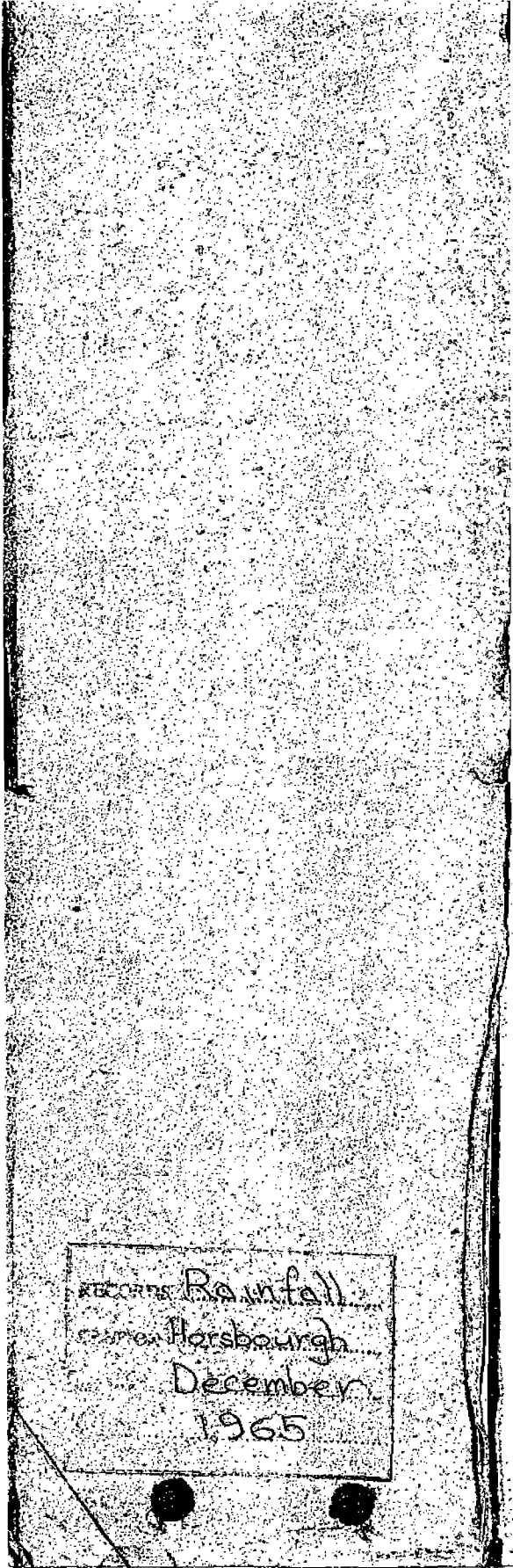
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

RECORDS RAIN CHARTS
STATION HORSBURGH LIGHT
MONTH JANUARY
YEAR 1965

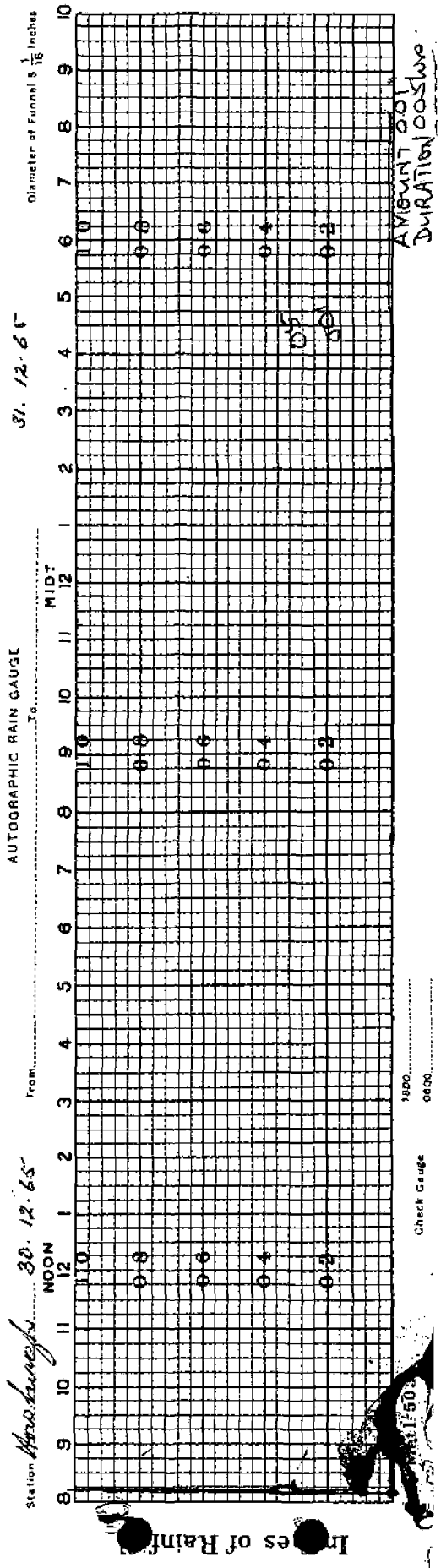
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



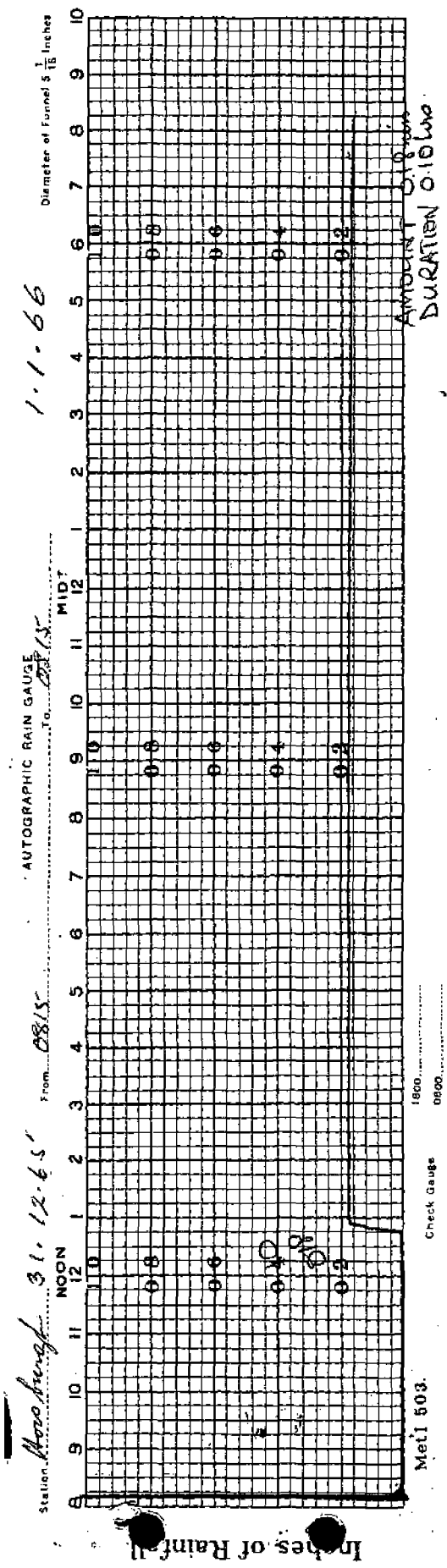
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



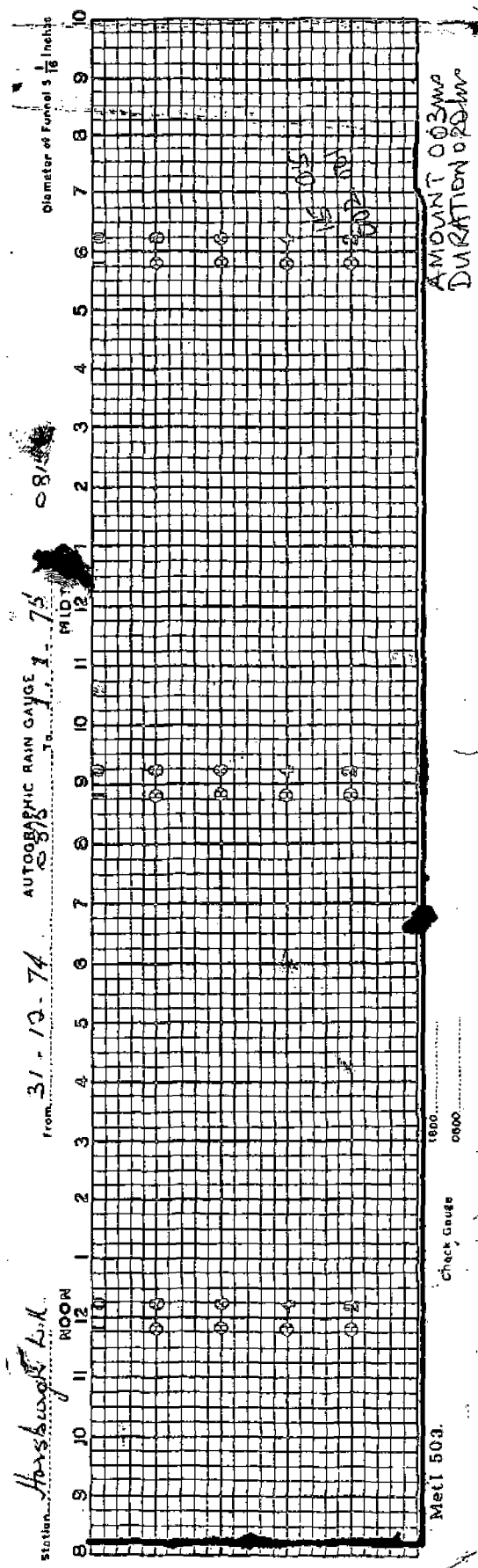
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

RECORDS RAINFALL
STATION HORSBURN LIGHTHOUSE
MONTH DECEMBER
YEAR 1974

(i). Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

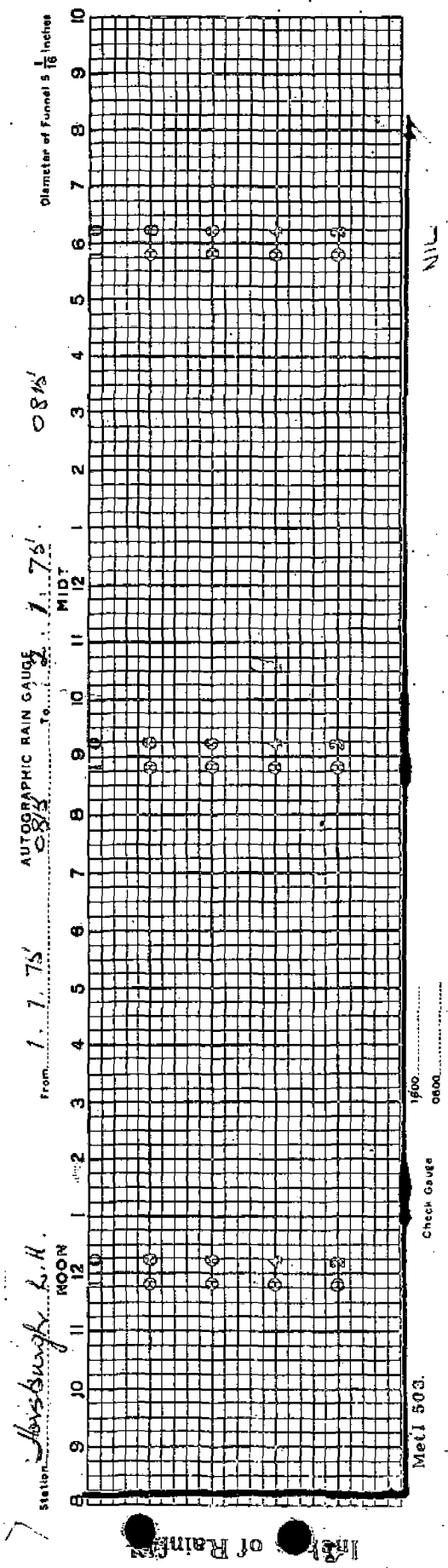


(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

RECORDS RAINFALL
STATION HORSBURGH LIGHTHOUSE
MONTH JANUARY
YEAR 1975

1975

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

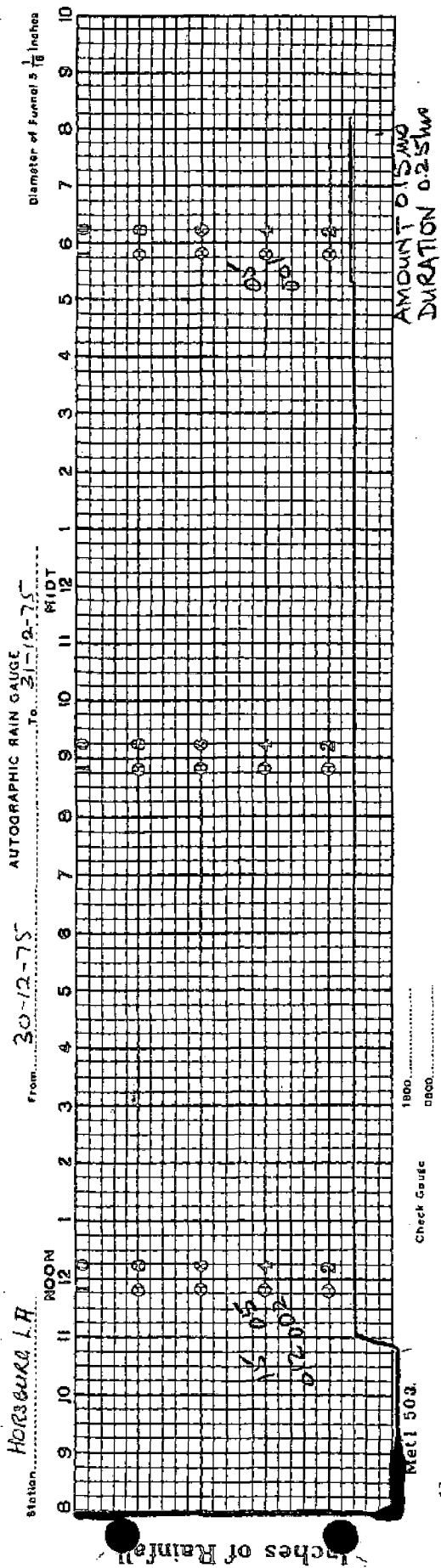
RECORDS RAINFALL

STATION HORSBURGH LIGHT HOUSE

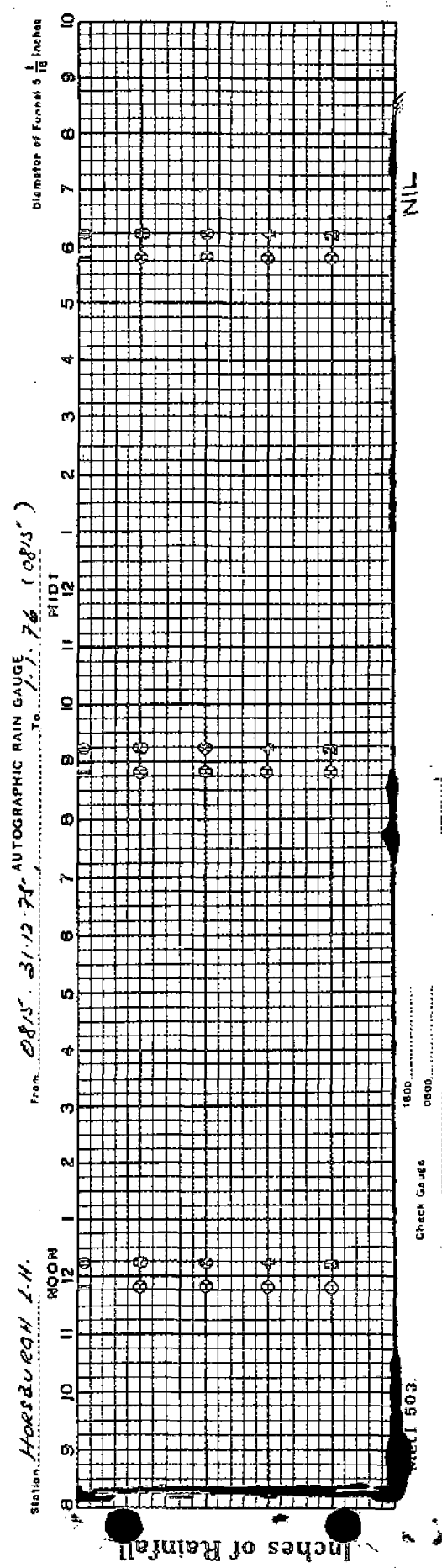
MONTH DECEMBER

YEAR 1975

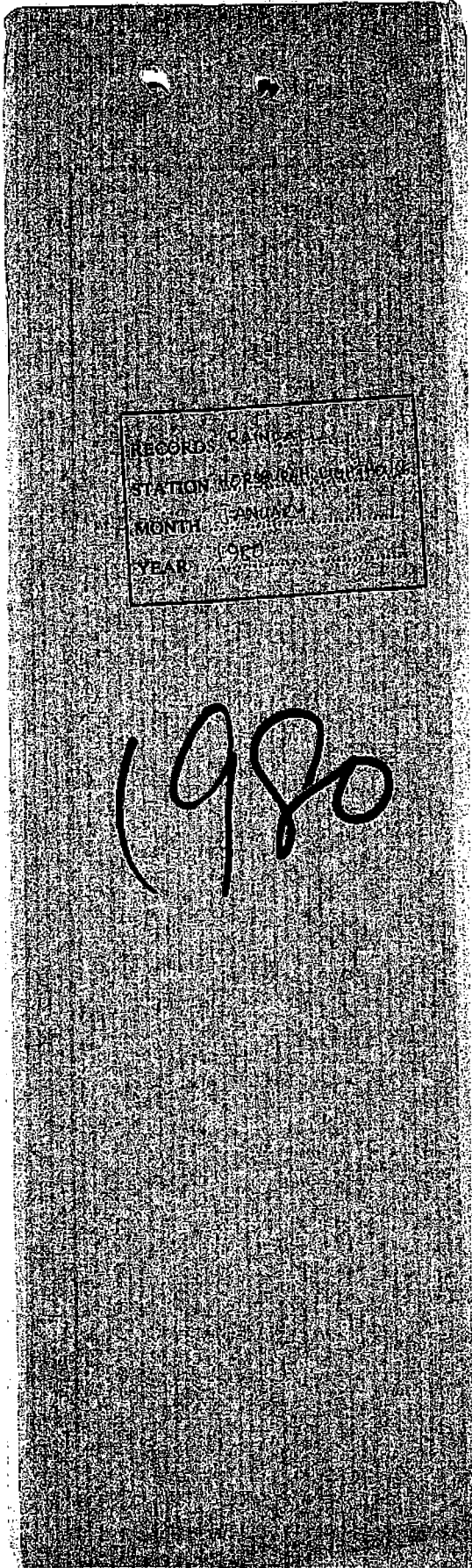
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

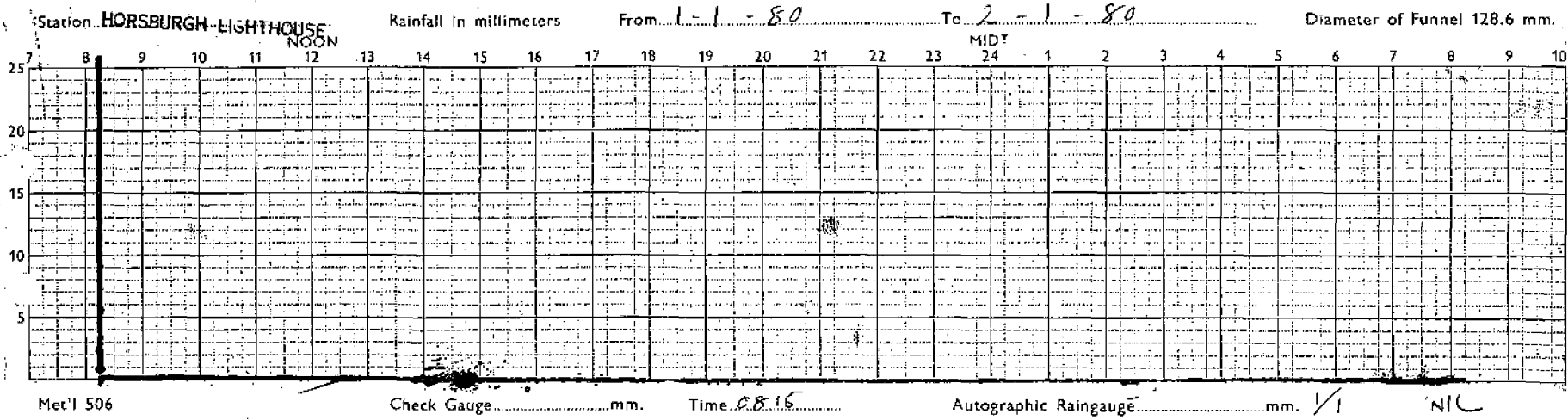


(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

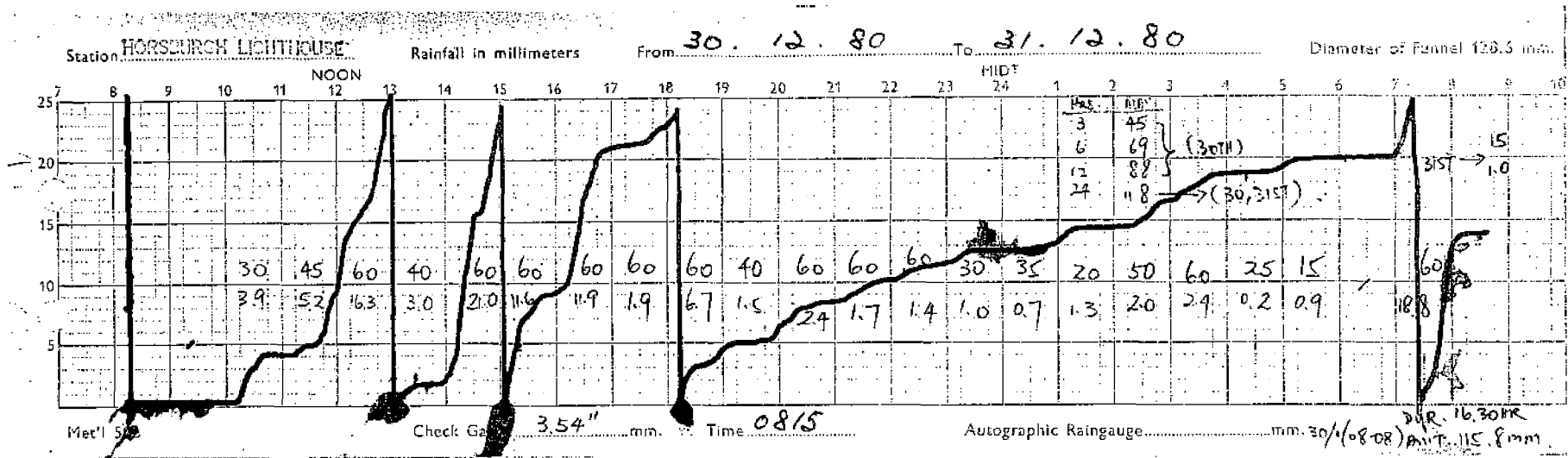




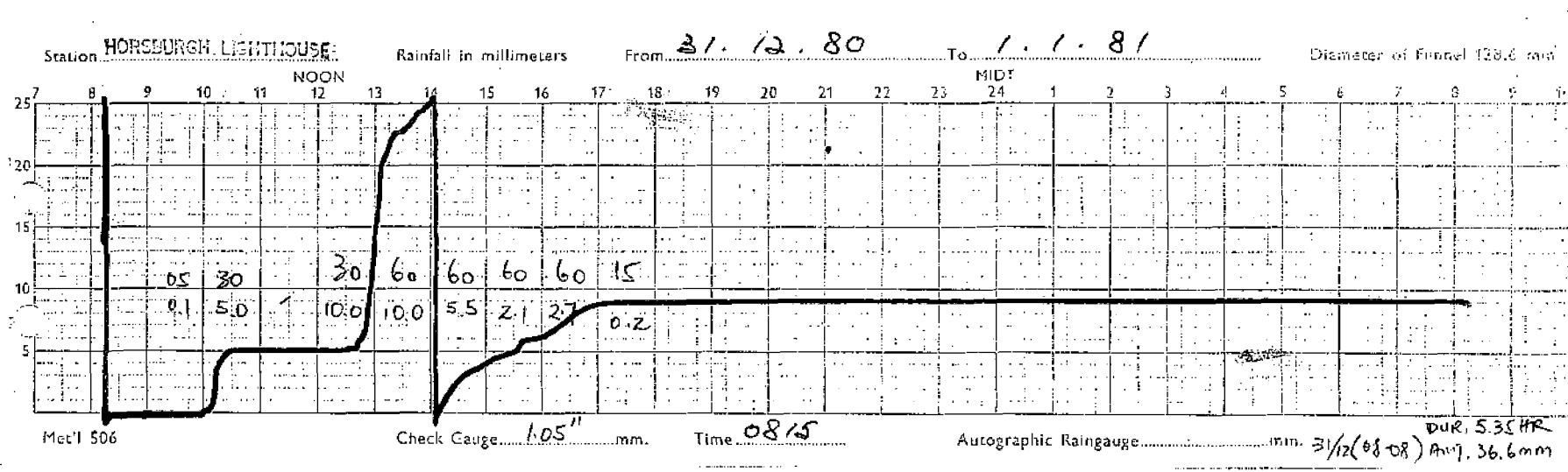
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

RECORDS RAINFALL
STATION HERSBURN LIGHTHOUSE
MONTH DECEMBER
YEAR 1980



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



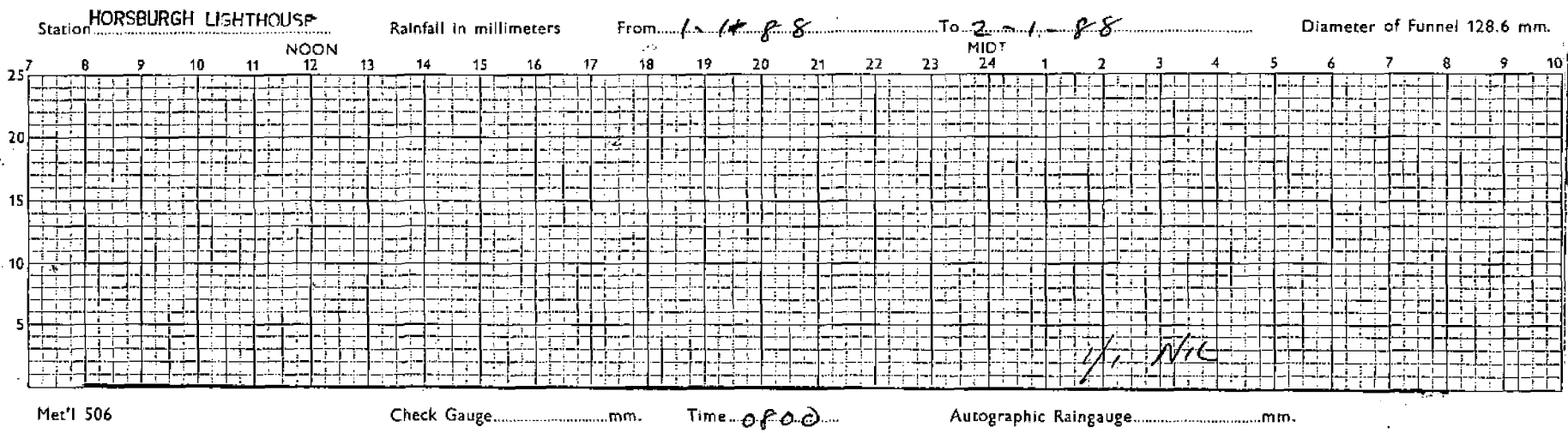
(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

RECORDS *Kemfala*
STATION *Horshampt 46*
MONTH *January*
YEAR *1988*

(03)

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988

HORSBURGH LIGHTHOUSE

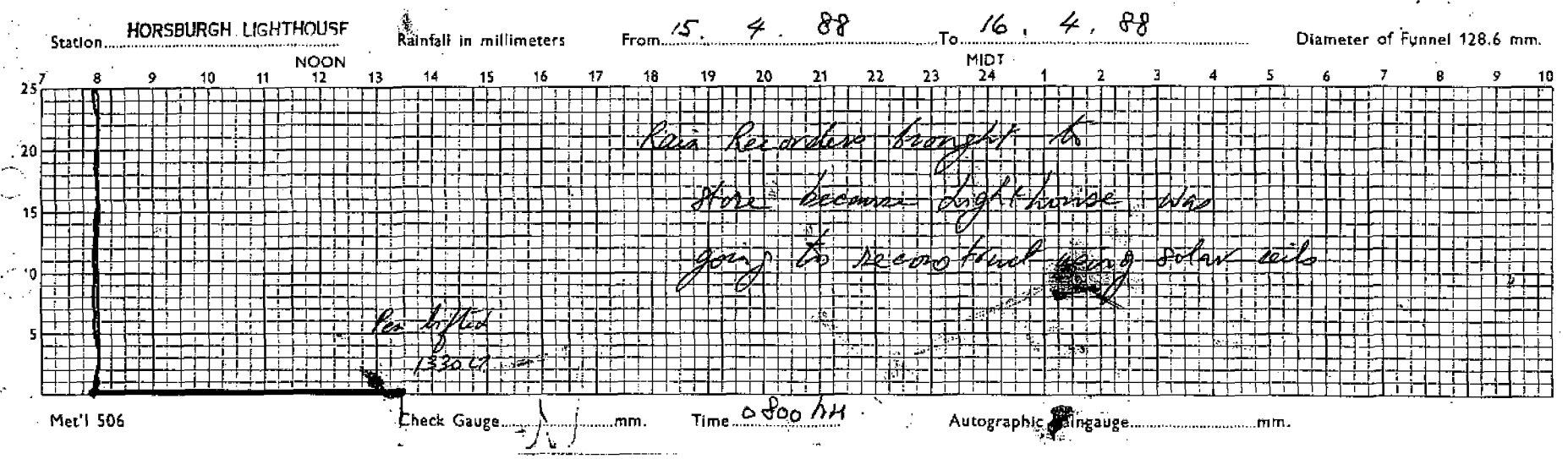
RECORDS	RAINFALL
STATION	HORSBURGH LIGHTHOUSE
MONTH	MAR
YEAR	1988

Rainfall
Station
Closed
on 15-4-88

3

HORSBURGH LIGHTHOUSE

(i) Sample of daily rainfall records made by Lighthouse keepers from 1953 to 1988



(ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department

RAINFALL RECORDS

(ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department

S/NO.	STATION No.	(1/2) STATIONS.	PERIOD			PAGE	REMARKS	
			MTN.	FROM	TO			
1	5	Botanical Garden ✓	X	JAN	1948	1	Measured at 9.30 a.m. Next file for 8.00 am (1948)	
2	3	Mount Faber ✓	X	JAN	1929	1934	12	Stn. moved to Kallang 1934
3	4	Kallang Airport ✓	X	JAN	1934	1955	14	Stn. moved to Pasa Labor PSS
4	6	Paya Lebar Airport ✓		AUG	1955		19	
5	23	R.A.F. Tengah		JAN	1949		26	
6	24	R.A.F. Changi		JAN	1948		35	
7	25	R.A.F. Seletar		JAN	1948	1975	44	
8	7	Maculoch Reservoir		JAN	1948		5A	
9	9	Seletar Reservoir		JAN	1948		63	Continue for book @ 1950
10	8	Pasa Reservoir (Lovers)		JAN	1949		72	
11	36	Woodleigh Filters		JAN	1948		82	
12	30	Bukit Timah Filters		JUN	1960		91	
13	12	Bedok Waterworks		NOV	1959		96	
14	13	Fullerton Building		JAN	1953	DEC 1975	102	
15	31	Port of Singapore Authority Gate 9		JAN	1951	1949	109	
16	19	Pasin Panjang Power Station CG	CG	MAR	1951		118	
17	20	Murnan Reservoir	CG	MAR	1963		127	
18	43	U.A. One Kim Chuan Road		APR	1962		131	
19	11	Amo Keng Police Station		FEB	1954		136	
20	14	Horsburgh Lighthouse		JUN	1953		143	
21	15	Kim Chuan Road (Sewerage)		JAN	1949	DEC 1975	151	
22	26	Ringwood Road (Sewerage) R/R	Kal	JAN	1949		160	
23	27	Rangoon Road (Sewerage)		JAN	1949		169	
24	29	Selegie Road (Sewerage) STW		JAN	1949		178	

(ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department

STATE OF SINGAPORE												
Daily Rainfall												
Measured in mm												
At Alva Kemp Police Station 1975												
Date	Jan	Feb	Mar	Apr	May	Jun	July	Aug	Sept	Oct	Nov	Dec
1	4.6	-	0.8	-	-	-	-	2.3	-	2.3	16.9	-
2	3.6	-	-	-	-	-	-	0.2	4.1	37.4	3.3	-
3	-	-	5.6	4.6	0.5	7.9	-	-	0.3	-	-	-
4	-	2.4	3.6	1.3	-	3.3	17.5	11.0	-	10.3	11.4	7.9
5	-	0.3	4.6	0.5	7.1	-	5.1	-	TRACE	16.9	-	-
6	-	6.3	1.8	-	0.2	-	0.8	-	11.7	3.0	-	0.5
7	2.5	5.1	0.2	-	-	14.0	-	4.3	1.0	9.9	6.1	-
8	2.5	10.7	-	6.8	-	2.0	4.1	3.6	-	3.1	-	-
9	17.0	4.8	11.7	-	1.3	12.7	2.0	24.4	1.3	-	-	2.0
10	10.4	7.4	-	-	0.5	6.6	22.4	-	-	-	-	0.5
11	5.1	11.4	-	2.0	5.1	0.3	5.8	-	50.3	13.9	-	10.4
12	-	2.4	0.5	-	1.0	3.5	-	3.0	-	63.5	2.5	7.9
13	3.1	17.1	3.5	27.4	-	0.5	8.4	-	-	12.4	1.3	6.8
14	7.1	2.3	2.3	26.9	-	-	-	-	-	16.3	5.6	-
15	-	6.6	2.3	5.3	-	2.3	-	4.7	-	15.0	-	-
16	0.1	0.3	32.0	-	29.5	33.5	0.5	-	-	-	-	-
17	4.1	-	57.9	30.5	-	0.8	28.5	-	1.5	16.0	2.0	0.8
18	2.1	0.3	-	-	-	2.3	-	-	-	4.1	0.3	-
19	-	-	-	0.8	-	0.5	6.1	3.1	-	10.3	1.3	-
20	-	-	-	0.3	-	3.7	12.2	6.6	-	-	-	6.1
21	-	-	1.8	-	-	-	-	-	-	31.6	15.7	-
22	9.1	10.4	-	18.3	0.5	-	8.1	6.3	-	6.5	-	-
23	10.2	-	-	0.5	-	0.8	1.3	0.7	-	10.2	-	-
24	0.2	9.9	-	-	11.7	-	3.8	-	-	2.3	-	-
25	-	-	-	6.3	-	0.5	-	36.4	17.1	11.4	36.3	-
26	-	0.2	35.3	3.3	4.0	-	1.3	1.3	1.3	15.5	-	-
27	-	-	15.7	-	11.0	0.5	5.3	6.4	11.0	1.8	-	-
28	-	-	0.5	-	-	-	0.5	4.3	1.3	-	6.6	-
29	-	-	12.4	-	-	-	4.8	6.1	3.7	-	-	-
30	1.4	-	11.7	-	0.5	-	2.8	5.3	1.8	1.5	0.3	-
31	0.5	-	-	15.6	1.3	-	1.3	1.3	1.3	1.3	1.3	-
Total	72	218	228.3	120.6	140.7	192.4	126.0	74.0	61.2	337.8	156.2	157.2
No. of days	17	17	19	30.5	16	16	17	13	15	21	19	15
Greater than 10 mm	11	10	17	17	16	12	17	15	11	11	12	15
Annual	167.1	-	-	23.5 mm	84.59 mm	-	-	-	-	-	-	-

(ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department

STATE OF SINGAPORE																									
DAILY RAINFALL			1962										DAILY RAINFALL			1963									
Registry No.	Date	Number and Date	Measured at -										Measured at -			Measured at -									
			Office Name										Office Name			Office Name									
			Pedra Branca										Pedra Branca			Pedra Branca									
DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	DATE	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1	0.25			0.03			0.07	0.08			0.12	0.04	1	0.22										0.02	
2				2.61							0.08	0.04	2		0.22									0.02	
3	0.27				0.04						0.05		3	0.27										0.02	
4	0.22			0.01	0.42	0.06		0.17			0.21		4											0.02	
5	0.14				1.16				0.01		0.34	0.43	5											0.02	
6	0.20		0.17		0.16	0.26		0.04	0.26		0.52		6											0.02	
7	1.49		0.2		0.04		0.02		0.50		0.57		7											0.02	
8	3.32	TRAIL			0.01	1.60		0.24			1.02		8											0.02	
9	0.23	0.20			0.02		0.02				0.02		9											0.02	
10		0.28	TRAIL		0.08		0.58				0.16		10											0.02	
11	0.23		0.23		0.04		0.10				0.09		11											0.02	
12	0.22	0.24		0.23	0.23	1.04	0.01			0.02	0.17		12											0.02	
13			0.13		0.02		0.04		0.25		0.17		13											0.02	
14	0.20		0.27		0.02	0.02			0.04		0.25		14											0.02	
15		0.23			0.26				0.20		0.15		15											0.02	
16											0.11		16											0.02	
17											0.21		17											0.02	
18											0.01		18											0.02	
19											0.06		19											0.02	
20											0.02		20											0.02	
21	0.20				0.20						0.06		21											0.02	
22	0.15								0.26	0.01			22											0.02	
23		0.07							0.34				23											0.02	
24									1.04	0.07	0.10	0.16	24											0.02	
25									0.27	0.03	0.26	0.04	25											0.02	
26									0.01				26												0.02
27			0.03		0.22						0.14		27												0.02
28									0.25				28												0.02
29			0.02							0.10	0.15		29												0.02
30			0.06	0.03	0.40					0.00	0.30		30												0.02
31					0.12								31												0.02
TOTAL	8.60	1.22	4.22	4.66	3.20	4.29	3.22	2.50	1.03	3.23	5.54	3.50	TOTAL	6.45	0.43	3.16	1.54	1.17	2.66	4.14	3.16	1.17	2.66	4.14	
NO RAIN DATE	13	5	10	8	15	9	3	7	7	9	16	12	NO RAIN DATE	9	9	7	6	8	7	10	15	15	15	15	
MEAN	0.28	0.43	0.74	0.62	1.16	1.60	1.04	0.48	0.66	0.96	1.00	1.02	MEAN	0.21	0.27	0.41	0.40	0.44	0.44	0.44	0.44	0.44	0.44	0.44	
DATE	1953	1954	1955	1956	1957	1958	1959	1960	1961	1962	1963	1964	DATE	1962	1963	1964	1965	1966	1967	1968	1969	1970	1971	1972	
ANNUAL TOTAL	1132												ANNUAL TOTAL 1132												

(ii) Rainfall records of Pedra Branca, consolidated annually, from 1953 to 1975, by the Meteorological Department

STATE OF SINGAPORE																									
DAIly RAINFALL AT HORSEBURG LIGHTHOUSE MEASURED AT																									
DATE	SAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC	DATE	SAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEPT	OCT	NOV	DEC
1				0.01	0.02	0.54			0.07	0.10			1	0.05											
2				0.04		0.51			0.28				2	0.08		0.02									
3		0.05		0.01	0.06		0.05						3	0.02											
4		0.02											4			0.38									
5		0.06		0.08		0.01							5												
6	0.34	0.01		0.30		0.02			0.14	0.01			6												
7		0.06	1.26	0.47	0.08					0.33	0.02		7												
8	0.02									0.15	0.01		8	0.01											
9					0.04			0.06	0.01				9												
10				0.02	0.04	0.17	0.07		0.05				10	0.14		0.06	0.44		0.05	0.01					
11	0.03			0.07					0.01	0.24			11		0.05			0.25		0.36					
12	0.02			0.14					0.19				12		0.06					0.14					
13	0.04			0.02				0.16	0.13		0.31		13		0.03	1.16			0.25	0.11					
14	0.01			0.62	0.02			0.07	0.01	0.01	0.02		14	0.06				0.83	0.34						
15				0.22	0.40	0.14		0.02	0.01	0.06	0.01		15			0.01	0.31	0.17		0.02					
16				0.02		0.90		0.02					16							0.44		0.04	0.02		
17			0.01		0.02		0.06	0.11					17			0.19									
18				0.03		0.44				1.00	0.76		18			0.15		Trace	0.02	Trace					
19	0.04			0.48		0.40		0.02	0.16	0.02	0.09		19	Trace		0.01	0.25	0.01							
20	0.02			1.17	0.03	0.86			0.01	0.01			20	1.58	0.06		0.01	4.25	0.01						
21									0.01	0.12			21					0.08		0.11					
22									0.01	0.16			22					0.04							
23						0.02		0.03	0.17	0.76			23					0.03	0.34						
24						0.55			0.01	0.19			24	0.02	0.02	0.51		0.11	0.46	0.01					
25									0.01	0.02			25					3.05		0.12					
26									0.01	0.02			26	0.73	0.27					0.11					
27									0.01	0.02			27					0.04			0.11				
28					0.14		0.06	0.02	0.21		0.02		28							0.11					
29			0.11	0.05	0.08	0.06			0.05		0.14		29					0.01		0.02	0.04				
30					0.37					1.07	0.12		30							0.07					
31								0.08		0.03		0.17	31							0.03	0.05	0.07	0.11	0.03	
TOTAL	7.23	0.51	5.16	0.61	1.0	3.76	3.24	1.76	3.41	0.11	13.35	5.73	TOTAL	0.51	1.58	1.46		2.38	3.64	1.58	6.45	5.20	7.42	7.53	11.54
NO. OF DAYS	9	5	8	16	13	11	9	10	9	18	16	14	NO. OF DAYS	9	5	7		8	18	9	15	12	12	21	14
HIGHEST 24 HOURS	1.34	0.06	1.26	1.66	0.49	0.86	0.90	0.42	1.04	0.34	0.76	0.97	HIGHEST 24 HOURS	1.58	1.01	1.46		2.38	3.64	1.58	6.45	5.20	7.42	7.53	11.54
LOWEST 24 HOURS	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	LOWEST 24 HOURS	0.01	0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
ANNUAL TOTAL	52.47												ANNUAL TOTAL	56.05											

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 19)

28/10/52

Visited Horsburgh Lighthouse changed TX and RX and checked all equipment all in good working order.

(Signed)

Telecoms Dept.

2/11/52

Visited Light to collect P.W.D. labourer and make general inspection. Noted several minor works to be carried out.

(Signed)

A.E.M.

18/11/52

Visited Horsburgh Light (2 in party) for the purpose of examining the structure as to its possible fitness for naval requirements.

(Signed)

CEMC Dept.

Admiralty

28/11/52

Visited Lighthouse to find site for recording rain gauge. Propose to ask approval to place gauge in corner of flat roof over quarters.

(Signed)

Malayan Meteorological Service

20-2-53

Visited lighthouse and replaced VHF equipment. Old sets returned to CRRS for service. Left same day.

(Signed)

Telecoms

17.3.53

Visited Lighthouse in connection with repairs to lightning protection.

(Signed)

G.E.E. PWD

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 21)

28/5/53

Installed Rain Gauges. Meteorological Dept.
(Signed) 28/5/53

9/6/53

Landed at 2p.m. and explained to Contractor the method of laying the rock roofing to the concrete roof. Departmental men replacing damaged angle iron runners round the parapet wall of lantern room. Left at 4p.m.
(Signed)
P.W.D. Central & Marine

17-6-53

Landed at 7a.m. for quarterly inspection. Mechanism tested - Timing correct. R/T set and radio reported in good order. Crew in good health and had no complaints.
(Signed)
Eng: Marine Dept

22/6/53

Landed 7.30 am. Inspected work of contractor who has carried out rock roofing. General inspection of our buildings and jetty.
(Signed)
A.E.M., PWD

28/6/53

Visited L.H and checked VHF equipment. Check calls with Imm. Off. and C.P. Signals 5/5.
(Signed)
Telecoms

28/6/53

Visited L.H. and checked Rain-gauges. O.K.
(Signed)

13/7/53

Landed at 7.30am with departmental men, and showed them nature of work to be carried out.
(Signed)
P.W.D. Central & Marine

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 22)

20/7/53

Checked up departmental work and check up.
(Signed) 20/7/53

28/7/53

Visited L.H. and changed VHF sets. Batteries and aerial checked. All o.k.
(Signed)
Telecoms

28/7/53

To check Meteorological Office Rain Gauges.
(Signed)

28/8/53

Visited L.H. and changed VHF sets. All equipment found ok.
(Signed)
Telecoms

11/9/53

Visited LH. Tx faulty - replaced by new one. Left L.H. at 16.10 hrs.
(Signed)
Telecoms

15.9.53

Landed at 0700 with M.D.E. Radio & R/T in order. ___ from room to quarters found clean and tidy. A good supply of fresh water reported. Crew in good health and no complaints or requests reported.
(Signed)
Ag Dy Master Attendant,
Singapore

25.9.53

Landed at 1320 hrs with S.C.E. H.M. Naval base. Measured up certain Rock formation and accommodation. Inspected lighthouse. Noted leaking water tank and repairs required to junction of light housing and granite upper course.
(Signed)
S.E.E. C&M PWD

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 23)

28-9-53

Visited. Autographic and Check gauges are OK. Instructions for taking care of instruments given to officer i/c (100 charts supplied).

(Signed)

28.9.53

Visited L.H. Changed VHF sets.

(Signed)

Telec.

28-10-53

Visited LH - changed VHF sets.

(Signed)

Telecoms

28-10-53

Visited. Instruments O.K.

(Signed)

Met. Office

28.11.53

Visited. Both gauges in good condition.

(Signed)

Met. Office

9/1/53 (sic)

Landed 5.45pm. routine inspection for PWD. Maintenance required noted.

(Signed)

A.E.K.B.

5-4-54

Visited L.H. to repair boat davit with departmental men.

(signed)

Overseer P.W.D.

9.4.54

Visited LH. Yagi aerial erected and set tested. Reception from CRRS & P.O R5. Installation and feeder checked and necessary adjustments made where required.

(Signed)

Telecoms

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

13.4.54

Landed 7am to inspect roofs, boat davit repairs and pick up departmental labour.

(Signed)

A.E.K.B.

11.5.54

Landed at 7a.m. with contractors, to show round and explain the nature of work to be carried out.

(Signed)

T.A. Marine

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 24)

27/5/54

Visited. Both gauges o.k.
(Signed)

28/5/54

Visited Lighthouse. Change RT & RX
(Signed)
Telecoms Dept

6/6/54

Visited at 12.30 hrs
(Signed)
R/ASP, ADC TO H.E.

17/6/54

Inspected new work (kitchen roof) 8.am
(Signed)
P.W.D.

28/6/54

Inspected reinforcements of concrete roof.
(Signed)
PWD

15th July 1954

Landed at 11.30 on half yearly routine inspection. R/T sets in order. An ample supply of water reported. Crew mustered and no complaints tendered. Lantern mechanism timed and found correct.
(Signed)
Deputy Master Attendant.

16th July 1954

Inspected reinforcements and formwork of concrete roof, in accordance to drawing. Left Horsburgh at 2pm.
(Signed)
P.W.D.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 25)

28th July 1954

Landed at 7a.m. Inspected repairs to concrete roof. Work carried out satisfactorily. Whitewashing and painting will be carried out by departmental men.

(Signed)

P.W.D.

28/7/54

Visited. Both gauges working in good conditions.

(Signed)

Met. Asst 28/7/54

28/7/54

Visited Horsburgh. Replaced transmitter and receiver. Tested and found to be ok. Insulated the aerial. Left H.B. at 9 pm.

(Signed)

14.8.54

Landed 7am. Left 7.25am. Landed stores and personnel for white washing and painting.

(Signed)

P.W.D.

28/8/54

Landed here 7.00am. Changed new sets. Tested ok. Came here with another daily paid man.

(Signed)

Tel. Dept

28/8/54

Instruments in very good condition.

(Signed)

28/10/54

Came to change radio sets and also brought their G.E.C. set. "Telecoms".

(Signed)

28/1/55

Came to change radio sets. Tested with C.P. & Immigration Office. OK.

(Signed)

Telecoms

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

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28/4/55

Check VHF equipments - set had been inoperative some weeks due to break down of generator. Tested sets with MA & P.L w/shops R5.

(Signed)
Telecoms

28/4/55

Automatic rain gauge in very good working order. Instruments checked. Very satisfactory.

(Signed)
Met. Asst 28/4

28/4/55

Inspected for general repairs and painting. Site for radio beacon equipment inspected. Landed 7.0am. Left 9.0am.

(Signed)
E.E. Marine P.W.D.

24th May 55

Landed at 1.15pm in good weather. Routine inspection. Accompanied by Telecoms technicians - R/T repaired. Radio receiving set O.K. Plentiful supply of water. Crew in good health - no complaints. Mechanism tested - timing correct.

(Signed) 24.5.55

6.6.55

Show round for painting contractors. Inspection of departmental repairs. Landed 1.0pm. Left 3.0pm.

(Signed)
E.E. Marine
6/6/55 P.W.D.

15.6.55

Inspection of departmental repairs to jetty and boat davits - completed satisfactorily. P.W.D. gang taken off. Landed at 1.40pm.

(Signed)
E.E. Marine P.W.D.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

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30/3/56

Landed 8.30am for general inspection. Everything clean & in good order. Crew all well.

(Signed)

M.A. 30/3/56

17/4/56

Landed 7.45am for routine inspection and examination of damage to jetty.

(Signed)

AG EEM. P.W.D.

24.4.56

Landed at 7.30am. Mechanism tested. Timing correct. Crew in good health - no complaints. R/T set and generator in good order.

(Signed)

Engineer, Marine Dept, 24.4.56

28.4.56

Landed at 7.05am. Both rain-gauges are well kept and in good order.

(Signed)

Met. Assistant

16.5.56

Landed at 6.45am for a survey near the existing pier site. Left for the launch at 12 noon.

(Signed)

T.A. P.W.D. Marine 16/5/56

___ .6.56

Landed at 8.0am with Departmental Labourers for repainting pier and erecting brackets on upper balcony.

(Signed)

Ag E.E.M. P.W.D.

4/6/56

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

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11.6.56

Landed at 7.45am with Asst. Commandant, Ng Wood Kan, Sp. Constabulary to set up bearing plates on upper balcony. Departmental repainting inspected.

(Signed)

Ag EEM. P.W.D.

27-6-56

Set replaced by Telecoms. (routine check)

(Signed)

28-8-56

Set Tx replaced by Telecoms (routine check). Rx OK.

(Signed)

16.9.56

Landed at 07.10 hrs. Blockwork machinery tested - timing correct. Crew in good health. No complaints. R/T set in good order.

(Signed)

Engineer Marine Dept, 16.9.56

28.9.56

Landed at 0625 hrs. Both rain-gauges checked. OK.

(Signed)

Met. Asst 28/9/56

28.9.56

Arrived at 0640am. Replaced both set TX/RX. (new frequencies 158.8/163.3 respectively). Tested modulation 4/5. Contact Paya L. & Imm. OK

(Signed)

19.10.56

Landed at 8.0am for routine inspection. Minor roof leaks noted. One door and one window removed for repair.

(Signed)

Ag EEM PWD.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

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28/6/57

Landed at 6.45am. Overhauled and tested the siphoning of automatic rain-gauge O.K.

(Signed)
Met. Asst

28/8/57

Telecoms. Receiver & Transmitter replaced. Checked with P. Lebar ok. Aerials checked.

(Signed)

24.9.57

Landed at 06.55 hrs. Blockwork machinery tested. Timing correct. Quarters and kitchen in clean condition. R/T set & radio in working order. Crew in good health and have no complaints.

(signed)
Engineer - Marine Dept 24.9.57

24.9.57

Landed at 07.45am with AEY TA for inspection. 5 men landed to carry out routine maintenance and minor repairs.

(Signed)
SEE ___ + Marine P.W.D.

1-10-57

Landed at 9.15am with T.A. for inspection of Departmental work.

(Signed)
AEM. P.W.D.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

(Page 60)

15/3 - 20/3/62

Arrived by "BERKAS" 15th/3 landed at 1205 hours.

Overhauls to Nos. 1 and 2 D/F generating plants carried out - satisfactory returned to S'pore. Relief ___ ___ to ___ ___ took up duties, L/Hand D Souza returned to Singapore.

Rest of crew in good health. L/House in clean conditions. A pleasant period of stay. Departed ___ "___"

(Signed) 20/3

28/3/62

Arrived for routine check. Set replaced. Aerial ok. Beacon readings taken normal. Put in 4 new L119 in the beacon.

(Signed)

Telecoms

28/4/62

Both gauges in good order.

(Signed)

Snr. Met. Asst.

28/4/62

Arrived for routine check. All in good working order.

(Signed)

Telecoms

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28/10/52

Visited Horsburgh Lighthouse changed Tx & Rx and checked all equipment all in good working order.

Roughhead
Telcoms Dept

2/11/52

Visited light to collect P.W.D. battery and make general inspection. Noted several minor works to be carried out.

Roughhead
A.G.M.

18/11/52

Visited Horsburgh light (2 parties) for the purpose of examining the structure as to its possible fitness for Naval requirements.

Roughhead
A.G.M.
Admiralty

28/11/52

Visited lighthouse to find site for recording rain gauge. Broken to site found to place gauge in corner of flat roof over quarters.

Senior Salt
Admiralty

20-2-53

Visited lighthouse and replaced V.H.F. eqpt. Old sets returned to CRRS for service. Left same day.

G. T. Telcom

17/3/53

Visited lighthouse in connection with repairs to lightning protection.

had
a.c. P.W.D.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28/5/53 Installed Rain Gauges
Meteorological Dept
W.D. Jones
Sigsbee's

9/6/53 Landed at 2 p.m. and explained to contractor the method of laying the Rock roofing to the concrete roof. Departmental men replacing damaged angle iron runners round the parapet wall of lantern room. Left at 4 p.m.
Indelberg
P.O. Central & Marine

14/6/53 Landed at 7 a.m. for Quarterly Inspection
Mechanism tested - Lining correct
R/T set a Radio reported in good order
Crew in good health & had no complaints
Stoullon
by name Dept

22/6/53 Landed 7.30 a.m. Inspected work of contractor who has raised out rock roof & caused respiration of air escape & fire.
Cullinane
A.C.M. 200

28/6/53 Visited L.H. and checked V.H.F. equipment
Check calls with Tim off 7 C.P. Signals /
L.F. (Sigsbee)

28/6/53 Visited L.H. and checked Rain gauge
D.T.C.
Richard

13/7/53 Landed at 7.30 a.m. with departmental men, and showed them nature of work to be carried out.
Indelberg
P.O. Central & Marine

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

- 20/7/53 Checked up departmental work and deck +
 20/7/53
- 28/7/53 Visited LH and changed VHF sets. Batteries
 + aerial checked. All ok.
 C. Jan (Telecoms)
- 28/7/53 To check Meteorological Office arrangements
 B.M. Austin
- 28/8/53 Visited LH and changed VHF sets. All
 right found ok. C. Jan (Telecoms)
- 11/9/53 Visited LH to faulty - replaced by new one
 left LH at 16:10 hrs. C. Jan (Telecoms)
- 15.9.53 Landed at 0700 with M. DE
 Radio & P.T. in order. Lamp room
 lamp room & quarters found clean &
 tidy. A good supply of fresh water
 reported. Crew in good health &
 no complaints or requests reported.
 Lighter oil ok.
 Ag. Dry. M. DE. & M. DE. & M. DE.
 done for port.
- 25.9.53 Landed at 1320 hrs. to H. S.C. & H. M. Naval base
 to see up. Captain Cook formation & accommodation
 supplies. Light house. Fishes. bio. log. book. tent
 and repairs required to junction of L. 11 housing
 & junction upper base.
 R. J. Miller
 S. I. C. M. P. 6. 3

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28-9-53	Visited Autograph & Check gauges and instructions for taking care of instruments to officer in (supplied) <i>W. B.</i>
29-9-53	Visited L.H. changed VHF sets <i>E. J. (Telecom)</i>
28-10-53	Visited L.H. - changed VHF sets <i>E. J. (Telecom)</i>
28-11-53	Visited Instrument <i>W. B.</i> <i>Met. Dept.</i>
28-11-53	Visited. Both gauges in good condition <i>W. B.</i> <i>(Met. Dept.)</i>
9/1/54	Landed 5:45 pm. Routine inspection for PWS. Maintenance resumed. <i>W. B.</i> <i>A. E. R.</i>
5-4-54	Visited L.H. to repair boat hoist with departmental materials <i>W. B.</i> <i>A. E. R.</i>
7-4-54	Visited L.H. Yagi aerial erected and set tested. Reception from CBS & P.O. RS installation and feeder checked and necessary adjustments made where required <i>E. J. (Telecom)</i>
13-9-54	Visited Landed 7:20 am to inspect work boat hoist repairs and pick up departmental labor <i>W. B.</i> <i>A. E. R.</i>
11-5-54	Landed at 7:20 am with contractor, to show round and explain the nature of work to be carried out <i>W. B.</i> <i>A. E. R.</i>

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

CTR
BE
XIN

2

27/5/54 Visited Beth gauges etc
28/5/54 Visited 24 Change RTRR
Get & Do (Telecom Dept)

6/6/54 Visited at 12.30 hrs
7/6/54 Inspected new with (hula roof) 3.0 am

J. B. ...
A/ASST
ADC. to H.E.

[Signature]
P.W.D.

28/6/54

Inspected reinforcements of concrete roof

Indalanga
P.W.D.

15th July 1954

Landed at 11.30 on half yearly
Routine inspection
R/T sets in order for amper
supply of water reported crew
mustered and no complaints
tendered lantern mechanism
tried and found correct

[Signature]
Deputy Master Attendant

16th July 1954

Inspected reinforcements and formwork of concrete
roof in accordance to drawing def. Horsburgh at
2 p.m.

Indalanga
P.W.D.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28th July 1954

Landed at 7 a.m. Inspected repairs to concrete roof work carried out satisfactorily. Whitewashing and painting will be carried out by departmental men.

Indalouza
P. W. B.

28/7/54 Visited Both gauges working in good conditions

D. Ch
Met. Dept.
28/7/54

28/7/54 Visited Horsburgh Replaced transmitter and receiver. Tested & found to be o.k. Insulated the aerial. Left H.B. at 9 pm.

J. P. S. G. G.

10.8.54

Landed 7 a.m. left 7 p.m. Landed store & prepared for whitewashing & painting.

P. W. D.

28.8.54

Landed here 7.00 AM. Checked no. mts. tested ok. came here with another duty paid man.

Law
Met Dept.

28/8/54

Instruments in very good condition

D. Ch

28/10/54

Have to change Radio sets and also brought their G.C.C. set.
"Telecom"

Law

28/11/54


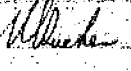
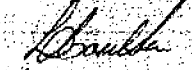


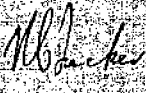
Have to change Radio sets. Tested with C.P. & Law Office at

Law

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28/4/55	<p>Check VHF equipment - set had been inoperative some 20 weeks due to break down of generator. Tested sets with WA + 1-L. up to R5.</p>	E. J. ...
28/4/55	<p>Automatic Rain Gauge in very good working order. Instruments checked. Very satisfactory.</p>	<p>W. ... F. E. ...</p>
28/4/55	<p>Inspected for general repairs and painting. Site for Radio Beacon equipment inspected. Landed 7.0 am. left 9.0 am.</p>	<p>W. ... F. E. ... P.W.D. 25/4/55</p>
26 th May 55	<p>Landed at 1.15 pm in good weather. Positive reception. Accompanied by Telecoms technician - R/S repaired. Radio receiving set OK. Plentiful supply of water. Crew in good health - no complaints. Mechanism tested - timing correct.</p>	<p>L. ... 26.5.55</p>
6/6/55	<p>Show round for painting contractors. Inspected departmental repairs. Landed 1.0 pm. left 3.0 pm.</p>	<p>W. ... F. E. ... 6/6/55 P.W.D.</p>
15/6/55	<p>Inspection of departmental repairs to galls + boat davits - completed satisfactorily. P.W.D. gang taken off. Landed 1.40.</p>	<p>W. ... F. E. ... 14/6/55 P.W.D.</p>

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

20/3/56	Landed 8.30 am for general inspection. Everything clean in good order. Jett's all well.	 J. H. Cherry 20/3/56
17/4/56	Landed 7.45 am for routine inspection and examination of damage to jett's.	 J. H. Cherry 17/4/56
24.4.56	Landed at 7.30 am. Mechanism tested. Lening correct. Crew in good health - no complaints. R/T set & generator in good order.	 J. H. Cherry 24.4.56
28.4.56	Landed at 7.05 AM. Both rain gauges are well kept and in good order.	 J. H. Cherry Met. Assistant 28/4/56
3.5.56	Landed at 6.45 a.m. for a survey near the existing pier etc. Left for the launch at 12 noon.	 J. H. Cherry 16/5/56
6.56	Landed at 8.0 am with Department. Lumber re- for repairing pier and creating brackets on upper balcony.	 J. H. Cherry 4/6/56

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

11-6-56 Landed at 7.45 am with Asst Commandant
N. J. Venn, Ken. Sp. Constabulary to set up bearing plates
on upper balcony. Departmental repainting inspected
M. B. Duchen
A. J. F. M. P.W.

27-6-56 Re T. replaced by Telecons (Radio Chalk) R/T

28-8-56 Set T. replaced by Telecom (Radio Chalk) R/T
Re OK

No. 9. 2a Landed at 07.10 hrs.
Blockwork machinery tested - running correct
boiler in good health - no complaints
R/T set in good order

H. Boulton
Engin. Marine Dept
26.9.56

28.9.56 Landed at 06.25 hrs. Both rain-gauges checked
OK

M. Chyng
Met. Asst. 28/9/56

28.9.56 Arrived at 06.00 am. Replaced both set T. P. X.
(new frequencies 158.8 / 163.3 respectively)
Tested modulation 4/5. Unlaid Panga K. Imm. OK
H. Boulton

13.10.56 Landed at 8.0 am for routine inspection
Mixer roof leaks noted. One door & one window require
repair. M. B. Duchen A. J. F. M. P.W.

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

28/6/57 Landed at 6.45 Am. Overhauled and tested
the rephoning of automatic rain-gauge etc

R. Cheong
Met. Dept.
28/6/57

28/6/57 Reconn. Receiver & Transmitter repaired
Checked with F. Laker & records checked etc

24.9.1957

Landed at 06.55 hrs.
Blockwork machinery tested. Lining correct
Quarters & Kitchen in clean condition
R/T set & radio in working order.
Crew in good health & have no complaints

R. Coulton
Engineer Marine Dept
24.9.57

24.9.57 Landed at 07.45 am for with A.E. & T.A. for
inspection. 5 men landed to carry out routine maintenance
& minor repairs.

W. Baker SEE APP + STORES P. 11/13

1-10-57 Landed at 9.15 am with T.A. for
inspection of Departmental work.

APPENDIX 2: A.E.M. P. 11/13

(iii) Entries in Horsburgh Lighthouse Logbook showing visits by officers from the Meteorological Department

60

15/8 to 27/8/62 - Arrived by "Bertha" 15/8/62 landed at 1205 hours.
 Overhaul to up 1 and 2 D/K generally plants carried out - 24th factory.
 Reeling lamp cleaned - also samples took up down, 1/2 haul of Sargassum returned to Spore.
 Rest of crew in good health. 1/2 haul - also under way. In pleasant period of stay. Departed 27/8/62

Thayer
 caps

28/8/62 Arrived for routine check. Set up low. Level of beam reading taken normal. Put = 4. new 119 in the beam.

Telegraph

See

28/9/62 Both gauges in good order

for Mr. C. C. C. C.
 C. C. C. C.

28/9/62 Arrived for routine check. All in good working order.

for Mr. C. C. C. C.
 C. C. C. C.

Annex 93

Letter from Higham J.D., on behalf of the Singapore Colonial Secretary to the British Adviser, Johor dated 12 June 1953, including Annex A (Extract from Mr John Crawford's Treaty of 1824) and Annex B (Extract from a despatch by the Governor of Prince of Wales Island, Singapore and Malacca to the Secretary to the Government of India dated 28 Nov 1844)

MC

CSO.11692/52/

12 June

1953

The Honourable
The British Adviser,
JOHORE.

Sir,

I am directed to ask for information about the rock some 40 miles from Singapore known as Pedra Branca on which the Horsburgh Lighthouse stands. The matter is relevant to the determination of the boundaries of the Colony's territorial waters. It appears this rock is outside the limits ceded by Sultan Hussain and the Dato Tunjunggong to the East India Company with the island of Singapore in the Treaty of 1824 (extract at 'A'). It was however mentioned in a despatch from the Governor of Singapore on 28th November 1844 (extract at 'B'). The lighthouse was built in 1850 by the Colony Government who have maintained it ever since. This by international usage no doubt confers some rights and obligations on the Colony.

2. In the case of Pulau Pisang which is also outside the Treaty limits of the Colony it has been possible to trace an indenture in the Johore Registry of Deeds dated 8th October, 1900. This shows that a part of Pulau Pisang was granted to the Crown for the purposes of building a lighthouse. Certain conditions were attached and it is clear that there was no abrogation of the sovereignty of Johore. The status of Pisang is quite clear.

3. ^{however?} It is now desired to clarify the status of Pedra Branca. I would therefore be most grateful to know whether there is any document showing a lease or grant of the rock or whether it has been ceded by the Government of the State of Johore or in any other way disposed of.

4. A copy of this letter is being sent to the Chief Secretary, Kuala Lumpur.

I am, Sir,
Your obedient servant,

(Sd.) JOHN D. HIGHAM

(J.D. Higham)
for Colonial Secretary,
Singapore.

c.c. to:-

The Honourable
The Chief Secretary,
Federation of Malaya,
KUALA LUMPUR.

KIU 3 mths.
JDM 12/9

A.

Extract from Mr. John Crawford's treaty of 1824.

JOHORE, 1824

A TREATY of FRIENDSHIP and ALLIANCE between the HONOURABLE THE ENGLISH EAST INDIA COMPANY on the one side, and their HIGHNESSES the SULTAN and TUMUNGONG of JOHORE on the other, concluded on the Second day of August, One Thousand Eight Hundred and Twenty-four (1824).

ARTICLE II.

Their Highnesses the Sultan Hussain Mahomed Shah and Datu Tumungong Abdul Rahman Sri Maharajah hereby cede in full sovereignty and property to the Honourable the English East India Company, their heirs and successors for ever, the Island of Singapore, situated in the Straits of Malacca, together with the adjacent seas, straits, and islets, to the extent of ten geographical miles, from the coast of the said main Island of Singapore.

CL.

B.

⑦

Extract from a despatch by the Governor of Singapore to the
Governor-General in Bengal, 28.11.1844.

[ie. Pedra Branca]

This Rock is part of a territory of the Rajah of Johore
who with the Tumunggong has willingly consented to cede it gratuitously
to the East India Company.

Annex 94

Lighthouse Laws and Orders issued by Walmsley W.H.
(Acting Master Attendant, Singapore) dated 19 June 1953

**TRANSCRIPTION AND ENGLISH TRANSLATION OF PARAGRAPH 10 OF
LIGHTHOUSE LAWS AND ORDERS DATED 19 JUNE 1953**

Ref: M.A. 59/53

HUKOMAN2 DAN UNDANG2 – RUMAH API2

10. FLYING OF ENSIGN (MENAIK-KAN BENDERA2)

Bendera Kerajaan itu mesti di-naik-kan atau di-layang-kan pada waktu pukul 8 pagi hingga masuk matahari. Apabila bendera itu di-kehandaki dinaik-kan setengah tiang, maka akan di-beri tahu dengan R/T.

Signed W.H. Walmsley
Pemangku Master Attendant,
Singapore,
19th June, 1953

TRANSLATION

LIGHTHOUSE LAWS AND ORDERS

10. FLYING OF ENSIGN

The government's ensign must be raised and flown daily from 8am until sunset. When the ensign is to be flown at half-mast, the R/T would be informed.

Signed W.H. Walsmley
Acting Master Attendant
Singapore
19th June, 1953

Ref: M.A. 59/53.

BUKUMANN2 DAN UNDANG2 - RUMAH API2.1. CREWS (KAKI-TANGAN2).

Selain daripada Rumah Api Fort Canning, Kaki-tangan2 Rumah Api2 ialah seperti dibawah ini :-

1	Lighthouse Keeper (Ketua)
1	" Berang
1	" Leading Hand
3	" Hands (kelasi2)
1	" Cook (Tukang Masak)

Crew Rumah Api Fort Canning ialah seperti diatas ini jua tetapi ketiadaan Cook (Tukang Masak).

2. ROSTER (GILIRAN CHUTI DIDARAT BAGI KEEPER (KETUA) MENGIKUT SUSUNAN INI :-

Horsburgh, Raffles, Fort Canning, Sultan Shoal, P. Pisang.

Selain daripada Crew Fort Canning (hal keadaan-nya tiada bertukar2) susunan mendapat chuti darat ialah seperti berikut:

Horsburgh, Raffles, Sultan Shoal, P. Pisang.

3. DUTIES (PERKERJAAN).

Keeper ia-lah ketua bagi Rumah Api dan ia-nya bertanggung jawab kepada Marine Department Engineer kerana :-

- Kebagasan cahaya Api-nya dan kebetolan "timing"nya.
- Kebagasan dan kaelokan jentra-jentra di-rumah api.
- Kebersihan bangunan-bangunan, storeroom dan sekeliling-nya.
- Kebagasan kelakuan dan tabeat segala crew (kaki-tangan-nya).

Berang itu ialah menanggung jawab kepada Keeper-nya dan dia itu mesti menurut sekalian hukuman itu di-jalan-kan dengan sempurna. Dia berkuasa atas sekalian kaki-tangan2 yang di-bawah-nya. Dan ia mesti bagi2kan perkerjaan antara orang2-nya.

Cook atau Tukang Masak itu bertanggung jawab kepada Keeper-nya. Dia mesti memasak-kan makanan bagi keeper-nya (melain-kan makanan yang tidak di-benarkan oleh U gama) dan jika suka masak chuchi-kan pakaiannya. Apabila waktu Keeper-nya belum tidur dan jika Keeper-nya mengkhendaki dia menjaga, dia mesti turut. Makanan Crew itu mesti di-masak oleh Lighthouse hand dengan bergilir-gilir.

4. WATCHES (WAKTU JAGA).

6.00 petang hingga 10.00 malam	- Lightkeeper (atau Cook) dan 1 Lighthouse Hand.
10.00 malam hingga 2.00 pagi	- 1 Lighthouse Hand (Leading) dan 1 Lighthouse Hand.
2.00 pagi hingga 6.00 pagi	- Serang dan 1 Lighthouse Hand.

Pada pukul 6 pagi - sekalian Crew mesti hadir kepada membersihkan kamar lampu, jentra-jentra dan sebagai-nya.

V. 2 0

5. PERMISSION TO LEAVE LIGHTHOUSE (JZTU KERANA MENINGGALKAN RUMAH API).

Tiada siapa pun di-benarkan meninggalkan Rumah Api-nya (atau Pulau) dengan tiada kebenaran daripada Engineer Marine Department atau pun Pegawai Marine Department.

Apabila siapa-siapa hendak meninggal-kan Rumah Api-nya (atau Pulau) itu, kerana hendak mendapatkan makanan, sayur-sayuran atau apa2 jua, maka Keeper atau Ketua Rumah Api itu mesti meminta kebenaran dahulu daripada Pegawai Department.

Ini-lah storan-nya yang mesti di-turut jika siapa2 hendak meninggal-kan Rumah Api-nya (atau Pulau) :-

- (a) Lightkeeper - minta kebenaran dengan R/T.
- (b) Office akan beri tahu pada Lightkeeper dengan R/T jika permintaan itu dilulus-kan atau tidak.
- (c) Apabila permintaan itu dilulus-kan maka waktu mereka yang meninggal-kan Rumah Api-nya mesti di-tulis di-dalam office book atau R/T logbook Rumah Api itu.
- (d) Lighthouse keeper mesti beri tahu kepada office apabila mereka itu kembali ke-rumah Api. Jika-kalau mereka tiada kembali sehingga masa yang di-janjikan, maka Lightkeeper mesti memberi tahu pada Office.

Mereka yang tiada menurut hukuman atau Undang2 ini maka ia akan di-adu.

Hukuman ini tiada terletak di-atas Rumah Api Fort Canning.

6. VISITORS (PELAWAT2 DAN LAIN-LAIN).

Lightkeeper ada-lah di-ingatkan, selain daripada anak dan istri-nya, pelawat2 tiada boleh tinggal di-dalam Rumah Api dengan tiada kebenaran Master Attendant.

Pelawat2 itu tiada di-benarkan masuk ke-dalam kamar-lungku atau pun bilik2 crew, melainkan dengan kebenaran Master Attendant.

7. COMPLAINTS (ADUAN2).

Barang siapa ada aduan, maka hendaklah ia menghantar-kan kepada Marine Department Engineer dengan surat atau pun dengan R/T set.

8. MARINE DEPARTMENT LAUNCHES ARRIVING AT LIGHTHOUSES. (MOTOR MARINE DEPARTMENT TIBA DI-RUMAH API.)

Apabila Motor Marine Department terpendang menuju ke-Rumah Api, maka Keeper-nya serta dengan sekurang2 2 Crew-nya, dengan pakaian yang sempurna menunggu di-jembatan kerana menerima mereka itu.

Jikalau M.A., D.M.A. dan M.D.P. tiba di-Rumah Api, maka hendak-lah Keeper-nya serta dengan sekurang2 2 crew-nya menunggu di-jembatan dan sambot mereka itu dengan pakaian yang pantas.

9. MAINTENANCE OF LIFE-BOAT & DAVITS (LIFE-BOAT DAN DAVITS).

Life-boat itu mesti diturunkan di-atas sekurang2nya satu minggu sekali, dan mesti di-simpan bersih dan di-sediakan pada setiap masa. Apabila ada kerusakan yang hendak di-benarkan, mesti-lah beri tahu kepada Marine Department Engineer. Apabila diturunkan, ia mesti di-pegang dengan baik.

10. FLYING OF FLAG (MENAIK-NILAI BENDERA).

Bendera Kerajaan itu mesti di-naik-kan atau di-leyang-kan pada tiap hari pada waktu pukul 8 pagi hingga masuk matahari. Apabila bendera itu di-kehendaki dinaik-kan setengah tiang, maka akan di-beri tahu dengan R/T.

11. BOOKS (BUKU).

Buku2 yang tersebut di-bawah ini mesti di-nda-kan dalam Rumah Api.

- Buku - Barang2 (Store Inventory)
- " - Hubat2 (Medical Inventory).
- " - Harian (Diary).
- 2 - Pelawat2 (Visitors' Book).

Buku2 itu mesti sentiasa terkandung sekalian kejadian. Lightkeeper mesti sendiri tuliskan apa2 kejadian di-dalam Buku Pelawat2.

12. RANSOM & STORES. (RANSOM DAN BARANG2).

Lightkeeper ia-lah menanggung jawab berkenaan dengan kebetulan dan teriman segala ransom dan barang2nya.

Ransom itu mesti di-periksa dengan hormatnya dan jika-kalau ada aduan, maka hendak-lah di-hantar-kan kepada M.D.E. sebelum berlayar ka-Lighthouse.

13. RADIO TELEPHONE COMMUNICATION (PERCHAKAPAN DI-RADIO).

Lightkeeper mesti berchakap dengan Radionya kepada Port Office dan waktu-nya ia itu lima minute sebelum pukul 04.00, 12.00, 16.00, 20.00 dan Lightkeeper itu mesti mereport-kan seperti susunan di-bawah ini :-

- (a) Horsburgh
- (b) Raffles
- (c) Sultan Shoal
- (d) Pulau Pisang

Port Office akan memanggil atau berchakap dengan Radionya pada tiap2 Lightkeeper dengan giliran-nya. Selain daripada waktu yang tersebut diatas itu, jika ada Lightkeeper perkara yang mustahak hendak berchakap dengan Port Office, maka hendak-lah ia nya bersambung chakap dengan Custom di-Clifford Pier, supaya boleh di-sambungkan dia dengan Port Office dan Port Office itu akan memanggil Radionya kepada siapa2 Lightkeeper yang

Lightkeeper itu tiada sekali-kali di-benarkan berchakap2 dengan Radio-nya kepada lain Lightkeeper melainkan kerana ter-lalu mustahak.

Peratoran seperti di-bawah ini mesti di-gunakan apabila berchakap atau memanggil dengan Radio-nya.

Port Office kepada sekalian Lighthouses - "Stand by".

Port Office kepada Horsburgh
"Ada-kan apa2 yang hendak di-report?".

Port Office kepada Horsburgh
"Perchakapan di-terima,
Stand by".

Horsburgh kepada Port Office
(Jika ada apa2 yang hendak di-reportkan, maka kata-kan report itu).

Horsburgh kepada Port Office
"Standing by".

Port Office kepada Raffles
 "Ada-kah apa2 yang hendak
 di-report?"
 Port Office kepada Raffles
 "Perkhabaran di-terima,
 Stand by".

Raffles kepada Port Office
 (Jika ada apa2 yang hendak di-
 report-kan, maka kata-kan
 report itu).
 Raffles kepada Port Office
 "Standing by".

Port Office kepada Sultan Shoal
 "Ada-kah apa2 yang hendak
 di-report?"
 Port Office kepada Sultan Shoal
 "Perkhabaran di-terima,
 Stand by".

Sultan Shoal kepada Port Office
 (Jika ada apa2 yang hendak di-
 report-kan, maka kata-kan
 report itu).
 Sultan Shoal kepada Port Office
 "Standing by".

Port Office kepada Pulau Pisang
 "Ada-kah apa2 yang hendak
 di-report?"
 Port Office kepada Pulau Pisang
 "Perkhabaran di-terima,
 Stand by".

Pulau Pisang kepada Port Office
 (Jika ada apa2 yang hendak di-
 report-kan, maka kata-kan
 report itu).
 Pulau Pisang kepada Port Office
 "Standing by".

Jikalau Port Office tiada apa2 perkhabaran yang hendak
 di-katakan kepada Lighthouse, maka ia akan berkata "Port Office
 kepada Lighthouse - Saya akan menutop".

Jikalau Port Office ada apa2 perkhabaran yang hendak
 di-sampaikan kepada sekalian Lighthouse atau pon satu Light-
 house, maka Port Office itu boleh sampaikan perkhabaran itu,
 kemudian daripada masa yang dia sudah menerima report daripada
 masing2 Lighthouse, sebelum ia menutop-kan E/Telegraphy-nya.

14. Satu Salinan hukuman ini mesti di-gantong pada tiap2
 lighthouse pada tempat yang mudah dapat di-baca ia.

Signed W. H. Walsley
 Pemangku Master Attendant,
 Singapore,
 19th June, 1953.

Annex 95

Letter from Turner J.D. (Secretary to the British Adviser,
Johor) to the Colonial Secretary, Singapore,
received on 18 June 1953

Tel. 92203

It is requested that the following number be quoted in reply to this letter.

JUN



1876

B. A. 4.

10

OFFICE OF THE
BRITISH ADVISER, JOHORE.

No. _____

JOHORE BAHRU, June... 1953.

COLONIAL SECRETARIAT
The Colonial Secretary,
Colonial Secretary Office,
Postal District 6,
SINGAPORE.

Sir,

I am directed by the British Adviser to acknowledge the receipt of your letter CSO. 11692/52 of 12th June which he has passed to the State Secretary to whom it should, in the British Adviser's opinion, have been addressed in so far as Johore is concerned.

2. The State Secretary will doubtless wish to consult with the Commissioner for Lands and Mines and Chief Surveyor and any existing archives before forwarding the views of the State Government to the Chief Secretary.

I am, Sir,
Your obedient servant,

(J.D. Turner)
Secretary to the British Adviser,
Johore.

Harbour
light house?

Annex 96

Letter from M. Seth Bin Saaid (Acting State Secretary of
Johor) to the Colonial Secretary, Singapore dated 21 Sep 1953

It is requested that the following number be quoted in reply to this letter.

S. Secy. 8.

No. SSJ.1120/53/6

Tel. S.B. 92616 or 92301 Ex. 36
U.S. 92656 or 92301 Ex. 34
A.S. 92301 Ex. 25



STATE SECRETARY'S OFFICE,
JOHORE,

14

21st Sept. 53.

JOHORE BAHRU, 19

Sir,

COLONIAL SECRETARIAT
RECEIVED

9

I have the honour to refer to your letter No. CSO.11692/52 dated 12th June 1953, addressed to the British Adviser, Johore, on the question of the status of Pedra Branca Rock some 40 miles from Singapore and to inform you that the Johore Government does not claim ownership of Pedra Branca.

I have the honour to be,

Sir,

Your obedient servant,

(M. SETH BIN SAAID)
AG: STATE SECRETARY
JOHORE.

To:

The Hon'ble
The Colonial Secretary,
Singapore.

TA:B.

Annex 97

Letter from Colonial Secretary, Singapore to Acting Master
Attendant, Singapore dated 13 Oct 1953

CIS.

M.A. 180/52.


CSO. 11692/52/16

C.S.(A.S.(Marine)) to Ag. M.A. 13/10/53.

Horsburgh Lighthouse.

Reference your minute dated 6th February, 1953, the State Secretary, Johore, states that the Johore Government does not claim the ownership of Pedra Branca Rock on which the Horsburgh Lighthouse stands.

2. On the strength of this, the Attorney General agrees that we can claim it as Singapore territory.


for Colonial Secretary.

Annex 98

**Sections 312 to 322 of the Merchant Shipping Ordinance
(Chapter 207 of the 1955 Revised Edition of the Laws of the
Colony of Singapore)**



WARNING

The Revised Edition of Ordinances will come into force from such date as may be ordered by the Governor by notification in the *Gazette* under section 8 of the Revised Edition of the Laws Ordinance, 1951.

Until that date the volumes should not be brought into use.

AND SELECTED IMPERIAL LEGISLATION
IN FORCE ON THE 1ST DAY OF MAY, 1955.

PREPARED UNDER THE AUTHORITY OF
THE REVISED EDITION OF THE LAWS ORDINANCE, 1951,

BY

E. J. DAVIES, q.c., *Attorney-General*,

C. H. BUTTERFIELD, q.c., *Solicitor-General*,

A. H. SIMPSON, Member of the Faculty of Advocates in Scotland,
Crown Counsel.

IN EIGHT VOLUMES

VOLUME VI

CONTAINING ORDINANCES, CHAPTERS 206 TO 238.

MERCHANT SHIPPING.

in the opinion of the court, competent to deal with the special circumstances of the case, then any other impartial surveyor appointed by the court and having no interest in the ship, her freight or cargo, to survey the ship, and to answer any question concerning her which the court thinks fit to put.

(4) Such surveyor or other person shall survey the ship, and make his written report to the court, including an answer to every question put to him by the court, and the court shall cause the report to be communicated to the parties, and unless the opinions expressed in the report are proved to the satisfaction of the court to be erroneous, shall determine the question before it in accordance with those opinions.

(5) Any person making a survey under this section shall for the purposes thereof have all the powers of an Inspector under this Ordinance.

(6) The costs, if any, of the survey shall be determined by the Minister according to the prescribed scale of fees.

(7) If it is proved that the ship is in a fit condition to proceed to sea, or that the accommodation is sufficient, as the case may be, the costs of the survey shall be paid by the person upon whose demand or in consequence of whose allegation the survey was made, and may be deducted by the master or owner out of the wages due or to become due to that person, and shall be paid into the Treasury.

(8) If it is proved that the ship is not in a fit condition to proceed to sea, or that the accommodation is insufficient as the case may be, the master or owner of the ship shall pay the costs of the survey to the Accountant-General, and shall be liable to pay to the seaman or apprentice, who has been detained in consequence of the said proceeding before the court under this section, such compensation for his detention as the court awards.

[298]

[Amended by Ordinance 1 of 1938.]

Part VI.**SPECIAL SHIPPING INQUIRIES AND COURTS.****INQUIRIES AND INVESTIGATIONS AS TO SHIPPING CASUALTIES.**

312. For the purpose of inquiries and investigations under this Part a shipping casualty shall be deemed to occur—

Shipping casualties.

(a) when on or near the coasts of the Colony, or in the course of a voyage to a port in the Colony, any

MERCHANT SHIPPING.

British ship is lost, abandoned or materially damaged;

- (b) when on or near the coasts of the Colony any British ship has been stranded or damaged, and any witness is found in the Colony;
- (c) when on or near the coasts of the Colony any British ship sustains loss or material damage from any other ship, and some of her crew who are competent witnesses to the facts are found in the Colony;
- (d) when any loss of life ensues by reason of any casualty happening to or on board any British ship on or near the coasts of the Colony;
- (e) when in any place any loss, abandonment, material damage or casualty occurs, or any British ship is stranded or damaged, and any witness is found in the Colony;
- (f) when in any place any such loss, abandonment, material damage, or casualty or stranding, or damage, as above mentioned occurs to a British ship registered in the Colony.

[299

Definitions.

313. In this Part and in any rules made under it—

“an officer certificated under the Merchant Shipping Acts” means the holder of any certificate as master, mate or engineer, granted under those Acts or of any certificate declared under section 102 of the Merchant Shipping Act, 1894, to be of the same force as if granted under that Act;

“the holder of a local certificate” means the holder of any certificate of competency granted in the Colony as—

master of a home-trade ship;

mate of a home-trade ship;

master of local-trade ship under one hundred tons;

master of a local-trade ship under seventy-five tons;

mate of a local-trade ship;

first-class gunner;

second-class gunner;

third-class gunner;

MERCHANT SHIPPING.

gunner for foreign-going ship;
 gunner for home-trade ship;
 gunner for local-trade ship;
 helmsman;
 steersman;
 first-class engine-driver;
 second-class engine-driver;
 third-class engine-driver;
 engine-driver for steam-vessels;
 first-class engine-driver for steam-launches
 (vessels under fifty tons);
 second-class engine-driver for steam-launches
 (vessels under fifty tons).

[300

[Amended by Ordinances 45 of 1937 and 16 of 1953.]

314.—(1) Where a shipping casualty has occurred, a preliminary inquiry may be held respecting the casualty by the Port Officer residing at or near any place at which the witnesses with respect to the casualty arrive, or are found, or can conveniently be examined.

Preliminary
inquiry.

(2) For the purpose of any such inquiry the person holding the same shall have the powers of an Inspector under this Ordinance.

(3) After hearing such inquiry, the person holding the same shall forward a report thereof to the Governor without delay.

[301

315.—(1) The Minister may appoint a Court of Investigation for the purpose of holding a formal investigation in any case—

Minister
may
appoint
Court of
Investiga-
tion into
shipping
casualties
and
conduct of
certificated
officers.

- (a) where a shipping casualty has occurred, whether there has been a preliminary inquiry or not; or
 (b) whenever the Minister has reason to believe that any officer certificated under the Merchant Shipping Acts is from incompetency or misconduct unfit to discharge his duty in the following cases:—

- (i) where the incompetency or misconduct has occurred on board a British ship on or near the coasts of the Colony, or on board a British ship in the course of a voyage to a port within the Colony;

MERCHANT SHIPPING.

- (ii) where the incompetency or misconduct has occurred on board a British ship registered in the Colony;
 - (iii) where the officer of a British ship who is charged with incompetency or misconduct on board that British ship is found in the Colony; or
- (c) whenever the Minister has reason to believe that the holder of a local certificate is from incompetency or misconduct unfit to discharge his duties:

Provided that a Court of Investigation shall not be appointed for the purpose of holding a formal investigation into any shipping casualty occurring to a ship not registered in the Colony, unless either the casualty occurs on or near the coast of the Colony or whilst the ship is wholly engaged in the coasting trade of the Colony, or the appointment of the Court is requested or consented to by the Government of that part of the British Commonwealth in which the ship is registered.

(2) A Court of Investigation shall consist of a Judge or a Magistrate, with the assistance of not less than two nor more than four assessors of whom one shall, if possible, be the Port Officer, or a Commissioned Officer of Her Majesty's Navy.

(3) The Port Officer shall not be a member of a Court when he has held a preliminary inquiry with regard to the casualty which is the subject of investigation.

(4) Where an investigation involves or appears likely to involve any question as to the cancelling or suspension of any certificate, the Court shall hold the investigation with the assistance of not less than two assessors having experience in the merchant service.

(5) The Court after hearing the case shall make a report to the Minister containing a full statement of the case and of the opinion of the Court thereon, accompanied by such report of or extracts from the evidence and such observations as the Court thinks fit.

(6) Each assessor shall either sign the report or state in writing on the report his dissent therefrom and the reasons for that dissent.

MERCHANT SHIPPING.

(7) The Court may make such order as the Court thinks fit respecting the costs of the investigation or any part thereof, and such order shall be enforced by the Court in the manner provided for levying a fine by a Magistrate's Court.

(8) The Minister may, if in any case he thinks fit so to do, order the costs of any such investigation to be paid out of the general revenue of the Colony.

(9) For the purposes of this section the Court holding a formal investigation shall have all the powers of a Magistrate's Court and shall also have all the powers of an Inspector under this Ordinance.

(10) Every formal investigation into a shipping casualty shall be conducted in such manner that if a charge is made against any person that person shall have an opportunity of making a defence.

(11) Formal investigations into shipping casualties under this section shall be held in the court room attached to the Port Office, or in some other suitable place to be fixed by the Minister, and, unless no other suitable place is in the opinion of the Minister available, shall not be held in a court ordinarily used as a Magistrate's Court.

[302

POWER AS TO CERTIFICATES OF OFFICERS, ETC.

316.—(1) The certificate of a certificated officer may be cancelled or suspended by a Court holding an investigation into a shipping casualty, or into the conduct of a certificated officer, if the Court finds that the loss or abandonment of, or serious damage to, any ship, or loss of life, has been caused by his wrongful act or default, or that he is incompetent, or has been guilty of any gross act of misconduct, drunkenness or tyranny, or that in a case of collision he has failed to render such assistance or give such information as is required under section 422 of the Merchant Shipping Act, 1894.

Power of
Court of
Investiga-
tion as to
certificates.

57 & 58
Vict., c. 60.

(2) If the Court holding an investigation is presided over by a Magistrate, that Court shall not cancel or suspend a certificate unless one at least of the assessors concurs in the finding of the Court.

MERCHANT SHIPPING.

(3) Where any case before any such Court as aforesaid involves a question as to the cancelling or suspending of a certificate, that Court shall, at the conclusion of the case or as soon afterwards as possible, state in open Court the decision to which it has come with respect to the cancelling or suspending thereof.

(4) The Court shall, in the case of an investigation into a shipping casualty or into the conduct of an officer certificated under the Merchant Shipping Acts, send a full report on the case with the evidence to the Minister of Transport and Civil Aviation, and shall also, if it determines to cancel or suspend any certificate held by any such officer, send the certificate cancelled or suspended to the Minister of Transport and Civil Aviation or other authority by which the same was granted with its report.

(5) The Court shall, if it determines to cancel or suspend any certificate belonging to the holder of a local certificate, send the certificate cancelled or suspended to the Minister with its report.

(6) A certificate shall not be cancelled or suspended by a Court under this section, unless a copy of the report, or a statement of the case on which the investigation has been ordered, has been furnished before the commencement of the investigation to the holder of the certificate.

[303

Power of
High
Court to
remove
master.

317.—(1) The High Court may remove the master of any ship within the jurisdiction of that Court, if that removal is shown to the satisfaction of the Court by evidence on oath to be necessary.

(2) The removal shall be made upon the application of any owner of the ship or his agent, or of the consignee of the ship, or of any certificated mate, or of one-third or more of the crew of the ship.

(3) The Court may appoint a new master instead of the one removed.

(4) Where the owner, agent or consignee of the ship is within the jurisdiction of the Court, such an appointment shall not be made without the consent of that owner, agent or consignee.

MERCHANT SHIPPING.

(5) The Court may also make such order and require such security in respect of the costs of the matter as the Court thinks fit.

[304

318.—(1) A certificated officer whose certificate is cancelled or suspended by any Court holding an investigation under this Part shall deliver his certificate to that Court on demand.

Delivery of certificate cancelled or suspended.

(2) Any certificated officer who fails to comply with this section shall be liable for each offence to a fine not exceeding five hundred dollars.

[305

REHEARING OF INVESTIGATIONS.

319.—(1) The Minister may, in any case where an investigation into the conduct of the holder of a local certificate has been held under this Part, order the case to be reheard either generally or as to any part thereof, and shall do so—

Rehearing of investigations.

(a) if new and important evidence which could not be produced at the investigation has been discovered; or

(b) if for any other reason there has in his opinion been ground for suspecting that a miscarriage of justice has occurred.

(2) The Minister may order the case to be reheard either by the Court by which the case was heard in the first instance, or by another Court of Investigation under this Ordinance, or by a Judge of the High Court, and the case shall be so reheard accordingly.

(3) In every case in which an appeal does not lie to the High Court of Justice in England under the provisions of the Merchant Shipping Act, 1894, that is to say—

57 & 58
Vict., c. 60.

(a) where the investigation is into a casualty affecting a ship registered in the Colony;

(b) where the decision affects a local certificate, and an application for a rehearing under this section has not been made, or has been refused, an appeal shall lie from the decision to the High Court.

(4) The appellate jurisdiction of the High Court under this section shall be exercised by any one or three Judges.

(5) If the Court consists of three Judges, the decision shall be that of the majority.

MERCHANT SHIPPING.

(6) Any rehearing or appeal under this section shall be subject to and conducted in accordance with such conditions and regulations as are prescribed by rules made in relation thereto under the powers contained in this Ordinance.

[306]

GENERAL.

Limitation
of
jurisdiction.

320.—(1) An investigation or inquiry shall not be held under this Part into any matter which has once been the subject of an investigation or inquiry and has been reported on by a competent Court or Tribunal in any part of Her Majesty's dominions or in India, or in respect of which the certificate of a master, mate or engineer, has been cancelled or suspended by a naval court.

(2) Where an investigation or inquiry has been commenced in the United Kingdom of Great Britain and Northern Ireland with reference to any matter, an investigation or inquiry with reference to the same matter shall not be held under this Part in the Colony.

[307]

On report,
Minister
may deal
with certifi-
cate.

321. The Minister may, if he thinks the justice of the case requires it, re-issue and return any cancelled or suspended certificate held by the holder of a local certificate, or shorten the time of its suspension, or grant a new certificate of the same of any lower grade in place of it.

[308]

Rules as to
inquiries
and
investiga-
tions, etc.

322. The Minister may make general rules for carrying into effect the provisions relating to inquiries and investigations, and to the rehearing of or an appeal from any inquiry or investigation held under this Part, and in particular with respect to the procedure, the appointment and summoning of assessors, the parties, the persons allowed to appear, the notice to those parties or persons or to persons affected, the amount and application of fees, and the place in which formal investigations shall be held.

[309]

COURTS OF SURVEY.

Constitution
of Court of
Survey.

323.—(1) A Court of Survey for a port shall consist of a Judge sitting with two assessors.

(2) The Judge shall be such person as is summoned for the case, in accordance with the rules made under this Ordinance with respect to that Court, out of a list approved

Annex 99

Light Dues Ordinance, 1957 (Colony of Singapore)



COLONY OF SINGAPORE.

No. 6 of 1957.

I assent,

R. B. BLACK,

Governor and Commander-in-Chief.

20th February, 1957.

LS

Date of coming into operation: 1st March, 1957.

An Ordinance to impose Light Dues.

It is hereby enacted by the Governor of the Colony of Singapore with the advice and consent of the Legislative Assembly thereof as follows:—

1. This Ordinance may be cited as the Light Dues Ordinance, 1957. Short title.

2.—(1) In this Ordinance, unless the context otherwise requires— Interpretation.

“officer of customs” has the same meaning as in the Customs Ordinance;

Cap. 160.

“port”, “Port Officer”, “ship” and “native sailing ship” have the same meanings respectively as in the Merchant Shipping Ordinance;

Cap. 207.

“waters of the Colony” mean those parts of the territorial waters of the Colony which lie outside the limits of any port;

“year” means a period beginning on the 1st day of January and ending on the 31st day of December next ensuing.

(2) The tonnage in this Ordinance referred to means the net tonnage:

Provided that in the case of a ship whose net registered tonnage has not been ascertained, the gross tonnage shall be deemed to be the net registered tonnage.

Light
dues.

Schedule.

3.—(1) The owner, agent or master of every ship which in the course of any voyage enters the waters of the Colony shall pay light dues according to the scale set out in the Schedule to this Ordinance to such officer (hereinafter referred to as "the collector") as may be appointed by regulations made under this Ordinance to collect the same:

Provided that light dues shall not be payable more than ten times in any one year in respect of the same ship.

(2) This section shall not apply to any ship belonging to the Government or to any ship of war or to any ship of under fifteen tons or to any fishing craft or native sailing ship.

Receipts.

4. The collector shall give a receipt for light dues to every person paying the same, and any ship in respect of which such receipt is not produced when demanded by a Port Officer or officer of customs may be detained until such receipt is produced.

Distress on
ship for
light dues.

5.—(1) If the owner, agent or master of any ship fails, on demand of the collector, to pay the light dues due in respect thereof, the collector may, in addition to any other remedy which he is entitled to use, enter upon the ship and distrain the goods, tackle or any thing belonging to or on board the ship and detain such distress until the light dues are paid.

(2) If payment of the light dues is not made within three days next ensuing such distress, the collector may, at any time during the continuance of such non-payment, cause the distress to be appraised by two sufficient persons or licensed appraisers and thereupon sell the same and apply the proceeds in payment of the light dues unpaid together with reasonable expenses incurred by him under this section, paying the surplus, if any, on demand to the said owner, agent or master.

Constitution
and duties
of Light
Dues
Board.

6.—(1) For the purposes of this Ordinance there shall be established a Light Dues Board, which shall consist of the Master Attendant as Chairman and not less than six members to be appointed by the Minister.

(2) A member of the Board shall, unless he earlier resigns his office or is removed therefrom, hold office for a period of three years from the date of his appointment and shall be eligible for re-appointment.

(3) All light dues collected under this Ordinance shall be paid into a fund to be known as the Light Dues Fund and to be administered by the Board.

(4) It shall be the duty of the Board to expend the moneys of the Fund on the maintenance and improvement of navigational aids in the waters of the Colony and for purposes ancillary thereto.

(5) The Board may make rules for the conduct of its proceedings.

7.—(1) The Minister may by regulations prescribe the times, places and manner at or in which light dues shall be payable under this Ordinance. Regulations.

(2) Tables of all light dues and a copy of any regulations made under this section in respect thereof shall be posted up at the office of the collector.

8. The Minister may remit the whole or any part of any light dues payable under this Ordinance if in his opinion undue hardship would be caused by the payment thereof, or for any other cause which appears to him to warrant such remission. Power to exempt.

9. The master of any ship who— Penalties.

(a) departs or attempts to depart from any port leaving unpaid any light dues required to be paid under this Ordinance; or

(b) obstructs any person in the performance of the duties of his office under this Ordinance,

shall be guilty of an offence and shall be liable on conviction to a fine not exceeding one thousand dollars.

10. The Legislative Assembly may by resolution alter the scale of light dues set out in the Schedule to this Ordinance. Schedule.

11. The provisions of this Ordinance shall be without prejudice to the provisions of the Imperial Light Dues Ordinance. Saving.
Cap. 206.

SCHEDULE

For ships loading or discharging at Singapore	..	2 cents per ton.
For ships entering for bunkers, stores or water	..	1 cent per ton.
For ships registered in the Colony other than those exempted under section 3 (2)	..	20 cents per year per ton.

Annex 100

Letter from Master Attendant, Singapore to Perm Sec. C. & I.,
Singapore dated 5 Sep 1957

MC&I. 277 'A' /57/27



MCI(MA)01601/55.

M.A. to Perm. Sec. C. & I. : 5.9.57.

Documentation for Singapore Port Commission
Duties & Responsibilities of Master Attendant.

The Master Attendant of the Colony of Singapore is the ^{executive} administrative head of all Marine affairs in the Colony. He has jurisdiction over all waters within the territorial limits of the Colony, except where otherwise provided for by legislation, such as the waters within three hundred feet of the Singapore Harbour Board's wharves, by the Ports Ordinance; and the waters as defined by the Admiralty Waters Ordinance in respect of the limits of the naval port.

2. As Master Attendant, his authority is derived mostly from the Merchant Shipping Ordinance (Chapter 207), and he is the Port Officer, Shipping Master (Supt. of Mercantile Marine Office), Receiver of Wreck, Registrar of British Ships, Registrar of Seamen's Bureau, Principal Examiner of Masters & Mates, President of the Pilot Board, Chairman of the Seamen's Lodging-House Licensing Authority. He is also "ex officio" Chairman of the Light Dues Board, Chairman of the Singapore Sailors' Institute Committee, Chairman of the Singapore Asian Seamen's Club Committee and a ~~Committee~~ Member of the Seafarers' Welfare Board; these are all under statutory legislation. In his capacity as Port Officer, he is also the authority under the Arms & Explosives Ordinance & Rules made thereunder in respect of all ships, the Petroleum Ordinance & Rules made thereunder in respect of vessels carrying such dangerous goods.

3. The Master Attendant is briefly responsible for the following :-

Arrival of all vessels.

Issue of all Port Clearances.

Collection of Light Dues both for Singapore and Imperial Light Dues.

Shipping Office and all business in connection with masters and seamen.

Issuing of all Notices to Mariners; also Shipping Circulars to the Shipping Community on local shipping matters.

Selection of seamen for engagement on ships at the Seamen's Registration Bureau.

Registration of British Ships under Part I of the Merchant Shipping Act and Colonial Registration under section 90 of that Act.

Licensing of Native sailing ships and all boats under the Merchant Shipping Ordinance.

Examination of Masters and Mates for foreign-going certificates of Imperial validity, & all local certificates, i.e. Masters Home Trade, Mate Home Trade, Master Local Trade, Mate Local Trade, Helmsman, Steersman, Life-boat efficiency examinations.

Dangerous goods and explosives to be loaded or discharged and in transit other than for ships berthed at S.H.B. wharves, which are governed by the Board's Bye-Laws.

The regulating of movement and berths for all vessels other than at the S.H.B. wharves.

Removing obstructions and keeping fairways clear for all traffic.

These responsibilities are governed by Statutory legislation under the Merchant Shipping Ordinance (Chapter 207).

4. The Master Attendant is responsible for all lighthouses maintained by the Colony; these consist of six major lighthouses - Horsburgh, Raffles, Sultan Shoal, Pulau Pisang and Fort Canning; these are all manned lighthouses.

All buoys and beacons which are situated within the limits of the Port are also his responsibility.

The Signal Stations at Mount Faber and Tanjong Batu Berlayer are his responsibility.

All Hydrographic surveying within the Colony waters are under the Master Attendant's direction.

Officers of the Department undertake Compass Adjustment and over 200 ships' compasses are adjusted annually.

A launch is specially equipped for the carrying out of D/F calibration.

A fleet of launches is maintained for the Department and generally for the use of Government; three of these launches are run for the Post Office services, collecting and delivering mails to vessels at anchor.

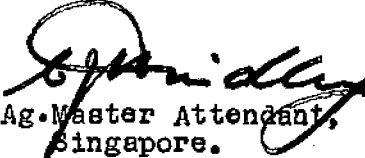
5. The Marine Section of the Public Works Department are responsible for the maintenance of lighthouse buildings (not

- 3 -

mechanical), jetties and all stone and steel constructed beacons. They are also responsible for all dredging in cooperation with the Master Attendant.

6. The establishment of the Marine Department consists of the following serving officers under the Master Attendant :-

- (i) Deputy Master Attendant,
- (ii) Deputy Registrar of British Ships,
- (iii) Senior Assistant Port Officer,
- (iv) Assistant Port Officers (4),
- (v) Deputy Assistant Port Officer,
- (vi) Engineer,
- (vii) Assistant Engineer,
- (viii) Signals Officer,
- (ix) Deputy Shipping Master,
- (x) Seamen's Welfare Officer,
- (xi) Deputy Registrar of Seamen.


Ag. Master Attendant,
Singapore.

CJH:wd:

2 copies handed ^{today} to Mr. P. R. Sheaf, Secretary, Port Commission, who will advise if further particulars are required.



5.9.57.

Annex 101

State of Singapore Act, 1958 (United Kingdom)

CHAPTER 59

An Act to provide for the establishment of the State of Singapore and for the peace, order and good government thereof; and for purposes connected with the matters aforesaid. [1st August, 1958]

BE it enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

1.—(1) Her Majesty may by Order in Council (hereinafter referred to as "the Constitution Order"), which shall be laid before Parliament after being made, make such provision as may appear to Her Majesty to be necessary or expedient for the peace, order and good government, under the title of the State of Singapore, of the territories included immediately before the passing of this Act in the Colony of Singapore; and, as from the day on which all the provisions of that Order have come into force, those territories shall be known by that title and subsection (3) of section one of the British Nationality Act, 1948 (which specifies the countries whose citizens are by virtue of that citizenship British subjects or Commonwealth citizens) as amended by the Federation of Malaya Independence Act, 1957, shall have effect as if for the words "and the Federation of Malaya" there were substituted the words "the Federation of Malaya and the State of Singapore".

Establishment
of State of
Singapore.
11 & 12 Geo. 6.
c. 56.
5 & 6 Eliz. 2.
c. 60.

(2) The Constitution Order may revoke or amend, or provide for the revocation or amendment of, any Order in Council or other instrument affecting the territories aforesaid made before the day aforesaid under the British Settlements Acts, 1887 and 1945, or the Straits Settlements (Repeal) Act, 1946; and as from that day no further Order in Council or other instrument affecting those territories shall be made under those Acts except for the purpose of revoking or amending any such Order in Council or other instrument for the time being in force.

9 & 10 Geo. 6.
c. 37.

(3) The Constitution Order may authorise the revocation or amendment of any of its provisions in any manner specified by the Order in relation to those provisions respectively, but save as may be so authorised shall not be capable of being revoked or amended except by Act of Parliament; and where that Order authorises the revocation or amendment of any of its provisions by Order in Council, any Order in Council made in pursuance of that authority shall be made by statutory instrument and be laid before Parliament after being made.

(4) Her Majesty may by Order in Council, which shall be subject to annulment in pursuance of a resolution of either House of Parliament, make such incidental, consequential and transitional provisions, including, in particular, adaptations and modifications of, or of any instrument made under, any Act of Parliament, as may appear to Her Majesty to be necessary or expedient by reason of anything contained in this section or in any instrument made thereunder and, in particular, by reason of any provision of the Constitution Order providing for the appointment in and for the State of Singapore, in addition to a representative of Her Majesty, of a representative of Her Majesty's Government in the United Kingdom; and any such adaptation or modification may be made so as to have effect from any date not earlier than that of the making of the Constitution Order notwithstanding that the Order in Council under this subsection was made after that date.

Short title.

2. This Act may be cited as the State of Singapore Act, 1958.

CHAPTER 60

An Act to amend the deed of settlement set out in the Schedule to the Chequers Estate Act, 1917; to authorise the payment of Exchequer grants in aid of the expenses of the administrative trustees under that deed, as amended; and for purposes connected with the matters aforesaid. [1st August, 1958]

BE it enacted by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

Amendment
of deed of
settlement.
7 & 8 Geo. 5.
c. 55.

1.—(1) The provisions of this section shall have effect with respect to the Chequers Estate Act, 1917 (in this Act referred to as "the principal Act") and to the deed of settlement set out in the Schedule to that Act (which deed, as modified by or under any subsequent enactment, is hereafter in this Act referred to as "the deed").

(2) As from the appointed day the deed shall have effect subject to the amendments specified in the Schedule to this Act; and any reference in the principal Act to the deed shall, in relation to any time on or after the appointed day, be construed as a reference to the deed as so amended.

(3) In this Act "the appointed day" means such day as the Treasury may appoint by order made by statutory instrument.

Annex 102

Government Notification No. 1414 of 1959
(Colony of Singapore)



Colony of Singapore Government Gazette

EXTRAORDINARY

Published by Authority

NO. 52]

SINGAPORE, TUESDAY, JUNE 2, 1959

[VOL. XIV

The following Notification is, by command of His Excellency the Governor, published for general information.

E. B. DAVID,
Chief Secretary.

No. 1414 PROCLAMATION.



ELIZABETH THE SECOND, by the GRACE OF GOD OF THE UNITED KINGDOM OF GREAT BRITAIN AND NORTHERN IRELAND AND OF HER OTHER REALMS AND TERRITORIES QUEEN, HEAD OF THE COMMONWEALTH, DEFENDER OF THE FAITH,

PROCLAMATION.

By His Excellency SIR WILLIAM ALLMOND CODRINGTON GOODE, KNIGHT COMMANDER OF THE MOST DISTINGUISHED ORDER OF SAINT MICHAEL AND SAINT GEORGE, GOVERNOR AND COMMANDER-IN-CHIEF OF THE COLONY OF SINGAPORE.

LS

W. A. C. GOODE,
Governor and Commander-in-Chief.

Whereas by section 2 of the Singapore (Constitution) Order in Council, 1958, (in this Proclamation referred

to as "the Order") it is provided that the Order shall come into operation on such day as the Governor may appoint by Proclamation in the Gazette:

Now therefore, in exercise of the powers conferred upon me by section 2 of the Singapore (Constitution) Order in Council, 1958, I, WILLIAM ALLMOND CODRINGTON GOODE, KNIGHT COMMANDER OF THE MOST DISTINGUISHED ORDER OF SAINT MICHAEL AND SAINT GEORGE, GOVERNOR AND COMMANDER-IN-CHIEF OF THE COLONY OF SINGAPORE, do hereby appoint the third day of June, 1959, as the day on which the aforesaid Singapore (Constitution) Order in Council, 1958, shall come into operation.

Given at Singapore, this second day of June in the year of Our Lord one thousand nine hundred and fifty-nine.

By His Excellency's Command,

WONG CHOOI SEN,
Acting Governor's Secretary and
Clerk to the Council of Ministers.

GOD SAVE THE QUEEN.

[No. Co. Min. 63/58].

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Price 85 cents per copy.

Annex 103

UN Document A/Conf.19/4, Official Records of the Second
United Nations Law of the Sea Conference, dated 8 Feb 1960

ANNEXES

NOTE: For the pagination of these annexes, see entries in bold type in the *Index to documents of the Conference*, pp. x-xi of the present volume.

DOCUMENT A/CONF.19/4

Synoptical table concerning the breadth and juridical status of the territorial sea and adjacent zones

[Original text: English]

[8 February 1960]

1. During the first United Nations Conference on the Law of the Sea, the Secretariat prepared, at the request of the First Committee and in consultation with the delegations, a synoptical table concerning the breadth and juridical status of the territorial sea and adjacent zones of the States represented at the Conference.¹

2. During the thirteenth session of the General Assembly, in connexion with the discussion in the Sixth Committee on item 59 of the agenda, namely, "Question of convening a second United Nations conference on the law of the sea", the Secretariat, at the request of several delegations, made the synoptical table available to the Sixth Committee. Various delegations, in the course of that session, made known to the Secretariat their wish that the synoptical table should be brought up-to-date and then republished as a document for the second United Nations Conference on the Law of the Sea. Accordingly, by a note dated 13 March 1959, the Secretary-General informed all States invited to participate in the second Conference under paragraph 3 of General Assembly resolution 1307 (XIII) that the Secretariat was preparing a revised edition of the synoptical table for this purpose. He further requested that the States should transmit to him, by 1 November 1959, any data which it was desired should be included in order to amend or supplement the synoptical table, together with the relevant texts of the laws or regulations. The synoptical table was annexed to the note.

3. The present revised table, although based upon the original synoptical table prepared at the request of the First Committee during the first United Nations Conference on the Law of the Sea, incorporates all the changes that have been requested by the States concerned.

¹ See *Official Records of the United Nations Conference on the Law of the Sea*, vol. III, 14th meeting, paras. 1-29, and document A/CONF.13/C.1/L.11/Rev.1 and Corr.1 and 2.

4. Some observations in connexion with the table appear necessary. Where a figure in miles or metres is given, followed by a year in parentheses and then a page reference, the year is that of the relevant law, regulation or decree, and the page reference is to the volume in the *United Nations Legislative Series* entitled *Laws and Regulations on the Régime of the Territorial Sea*.² Where the page reference is preceded by the abbreviation *Suppl.*, this refers to the *Supplement*³ to the volumes in the *United Nations Legislative Series* entitled *Laws and Regulations on the Régime of the High Seas*, volume I,⁴ *Laws and Regulations on the Régime of the High Seas*, volume II,⁵ and *Laws Concerning the Nationality of Ships*.⁶ Where no page reference is given, this means that the figures are derived from information which was submitted by the States concerned either at the first United Nations Conference on the Law of the Sea, or in the Sixth Committee of the General Assembly at its thirteenth session, or in response to the Secretary-General's note of 13 March 1959.

5. The texts of laws and regulations which were received in reply to the said note are reproduced in a separate document (A/CONF.19/5 and Add.1-3). When necessary, reference is made to these texts in the footnotes appended to the synoptical table.

6. A blank entry opposite the name of a State in the revised synoptical table signifies that the relevant information was not available to the Secretariat.

² United Nations publication, Sales No. 1957.V.2.

³ United Nations publication, Sales No. 59.V.2.

⁴ United Nations publication, Sales No.: 1951.V.2.

⁵ United Nations publication, Sales No.: 1952.V.1.

⁶ United Nations publication, Sales No.: 1956.V.1.

State	Limits of territorial sea	Continental shelf	Limits for special purposes							
			Customs	Security	Criminal jurisdiction	Civil jurisdiction	Fishing	Navigation	Sanitary regulations	
Albania	10 miles (1952)									
Argentina	3 miles (1869)	(1946) Including sovereignty over superjacent waters	12 miles (1869)	12 miles (1869)	5 miles (1869)	3 miles (1869)	10 miles (1907)	3 miles (1869)	12 miles (1869)	
Australia	3 miles (1878)	(1953) Not affecting superjacent waters Suppl. p. 3 Pearl Fisheries Act (1952-53) Suppl. p. 4	3 miles (1901-1954) p. 63		3 miles (1878) pp. 319, 335	3 miles (1912-1953) p. 63				
Belgium	3 miles (1929) p. 74		10 km. (1852)				3 miles (1891) p. 441	3 miles (1939) p. 615		
Brazil	3 miles (1950) p. 2	(1950) Not affecting navigation or fishing rights					12 miles (1938) p. 444	3 miles (1914) p. 2		
Bulgaria	12 miles (1931) p. 80									
Burma										
Cambodia	5 miles* (1957)	(1957) 50 metres. Including sovereignty over superjacent waters	12 miles (1957)	12 miles (1957)			12 miles (1957)			
Canada	3 miles		12 miles* (1952) p. 95		3 miles (1934) p. 322	3 miles (1934) p. 92	12 miles (1952) Suppl. p. 22			
Ceylon	6 miles* (1937)		2 leagues from coast*	Territorial waters				Territorial waters	Territorial waters	
Chile	50 km. (1941) Suppl. p. 23	(1947) 200 miles. Including sovereignty over superjacent waters. pp. 4-5	100 km. (1948)	100 km. (1941) Suppl. p. 23						
China	3 miles (1930) (Codification Conference)		12 miles (1934) p. 113							
Colombia	6 miles (1930)		20 km. (1931) p. 115				12 miles (1933) p. 5		12 miles (1923) Pollution of sea	
Costa Rica	In accordance with international law (1949) p. 6	(1949)* 200 miles incl. sovereignty over the superjacent waters					200 miles (1939) p. 462			
Cuba	3 miles (1942) p. 7		12 miles (1942) p. 7	3 miles (1936)	3 miles (1936) p. 334		3 miles (1936)		3 miles (1936) Pollution of sea	
Denmark	3 miles		4 miles (1928) p. 121				3 miles (1951) p. 474			
Greenland							3 miles (1933) p. 476			
Faro Islands							Special limit (1959)†			
Dominican Republic	3 miles (1952) p. 11		15 miles (1952)* p. 11				15 miles (1952)* p. 11		15 miles (1932)* p. 11	
Ecuador	12 miles	To a depth of 200 metres (1950)								
El Salvador	200 miles (1950) p. 14	200 miles (1950) including sovereignty over superjacent waters. p. 14					200 miles (1955) p. 490			
Ethiopia	12 miles (1953) p. 129						12 miles (1953) p. 150			
Federation of Malaya	3 miles									
Finland	6 miles* (1956) p. 805		6 miles (1939) p. 14							
France	3 miles (1888) p. 497		20 km. (1948) p. 135	3-6 miles (1934)			3 miles (1888) p. 497	6 miles (1912)		
Germany, Federal Republic of	In accordance with international law (1956). p. 17		3 miles (1939) p. 139							
Greece	6 miles (1936)			10 miles (1913)				6 miles (1914)		
Guatemala	12 miles (1934)	(1956) Not affecting free maritime and air navigation	12 miles (1934-59) p. 141					12 miles (1940) p. 379		
Honduras	(1957) Suppl. p. 10*	(1957) 200 metres or to where depth admits of exploitation. Sea-bed and subsoil only. Suppl. p. 10	6 miles (1925) p. 146							
Iceland		(1948) Related to fisheries only. p. 513	4 miles (1935) p. 146				12 miles* (1958) Suppl. p. 11			

Annex 104

Letter from Master Attendant, Singapore to the Staff of the
Marine Department, Singapore dated 6 May 1961

M248

(6A)

M.A. to Staff, Marine Department - 6.5.61

Visit to Lighthouses by Staff and
family or friends onboard the m.v.
"Berkas"

Of late there has been quite a number of applications for permission to visit the various lighthouses by the staff of this department.

It has come to a stage that early applications have been given priority over those that have been submitted late in view of the limited number of persons the lighthouse tender m.v. "Berkas" can carry onboard.

In all fairness to those members of the staff and their families who wish to make the trip despite their late application and the fact that they have never visited the particular lighthouse, the following restrictions will be imposed with effect from this date.

(1) Priority should be given to those who have never visited any of the lighthouses.

(2) Each application shall be restricted to not more than 6 persons including children on Sundays and Holidays.

(3) On no account must a member of the staff or his family or friends make use of the camp-beds in the "Berkas" - these are exclusively for the use of the crew and the lighthouse personnel.

(4) Each individual staff member is responsible for the conduct of his family or friends, and any complaints from the Master of the "Berkas" or the lightkeeper will result in the barring of his travel in this vessel in future.

It must be understood that those who wish to travel onboard the "Berkas" do it on their own risk and the Government or the Light Dues Board shall not be responsible whatsoever.

Sgd. R. L. Bird.
f. Master Attendant,
Singapore.

Annex 105

Representative sample of requests (from 1961 to 1967) to visit
Pedra Branca submitted by applicants to Master Attendant,
Singapore together with the Master Attendant's response

M243

MEMORANDUM

639

(20)

From

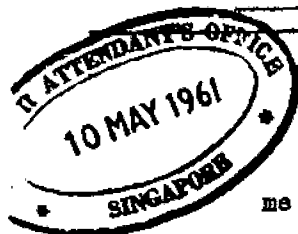
The Secretary

to Commissioner for Labour,
Labour Department,
Singapore, 1.

10.5.61.

To

The Port Officer,

Master Attendant's Office,
1st Floor, Fullerton Building,
Singapore, 1.

I should be grateful if a permit could be issued to me on behalf of eight members of the Labour Department to enable them to travel on your M/V "Berkas" on Saturday, 27th May, 1961, (leaving Singapore at midnight) for Horsburgh Lighthouse in the South China Sea.

(LIM SWEE KIAT)
Secretary
to
Commissioner for Labour,
Singapore.

LSK/lmp

reply at (28)

M 234

MEMORANDUM

MARINE 74/58/23

28

From


Master Attendant,
 1st Floor, Fullerton Bldg.,
 Singapore 1. 23.5.61

To

The Senior Executive Engineer,
 Marine & Drainage, P.O.D. Kallang,
 Singapore.

Mr. Lim Swee Kiat, Secretary to Commissioner for Labour, and a party of five (5) persons wish to travel on the lighthouse tender "Berkas" to Horsburgh Lighthouse on Saturday the 27th May, 1961, and return by the same vessel on the following day.

2. This Department has no objection to the trip provided that none of the members of the party is allowed to land at the lighthouse.


 (R.L. Bird)
 f. Master Attendant,
 Singapore.

c.c. The Master, m.v. "Berkas"
 Mr. Lim Swee Kiat - It should be clearly understood that this trip is made at your own risk.

reply to (20)

M200

50

24.5.63

D. M. A.

Through M.D.E.

May I have your permission for my cousin to visit Horsburgh Lighthouse on 28th May, 1963, travelling to and fro by the relief launch, please.

D.M.A.

Forwarded please.

Salim bin Abdullah
Salim bin Abdullah
Lightkeeper

Vicky Chintal
24.5.63

E

Approved. Pl. do necessary.

MB 25/5

M 199

(51)

Mr. ~~Mr~~ ^{Mrs} Salim bin Abdallah.....
Lightkeeper
..... Marine Dept;.....
..... Singapore
.....

Master Attendant's Office,
1st Floor, Fullerton Building,
Singapore, 1.

.....25th..May. 1963.

Visit to Warsburgh... Lighthouse

With reference to your application. of 24th.May,.1963.. permission is hereby granted to you *for a party of ONE.. to travel to and from the above Lighthouse on the relief launch on 27.5.63 subject to the following conditions:-

- (a) That the launch used is able to accommodate your party;
- (b) That you and your party travel entirely at your own risk; and
- (c) That a copy of this letter shall be shown to the Launch Master or Lightkeeper as evidence of the above permission.

2. It should also be understood that the lighthouse crews travelling in the launch are to be given priority in the use of all seating and sleeping facilities on board the launch.

* delete if inapplicable.

[Handwritten signature]
20/5/63

for

[Handwritten signature]
Master Attendant,
Singapore.

original received on behalf of Che Salim

[Handwritten initials]
ED(A)

M198



(52)

Sidik bin Ismail,
c/o Labour Office,
Havelock Road,
Singapore,
17th August, 1963.

The Master Attendant,
1st Floor, Fullerton Building,
Singapore.

Sir,

I beg for permission to visit the
Horsburgh Lighthouse on the 27th August,
1963, and shall be grateful if you will
kindly have a permit for the visit issued
for a party of three.

Thanking you in anticipation,

I beg to remain, Sir,
Your obedient servant,

DMA
17.8.63 UB 17/8

Sidik

(Sidik bin Ismail)

E Pl. investigate r of
you think O.K. f.s.a.

D.M.A.

Outside harbour limit and passengers carried
by "Flint" is not to exceed 12 persons, which is taken
up by lighthouse ward and teleman. Attached reply
for your approval please.

J. H. Quintal
17.8.63

M197

MEMORANDUM

G 19-W 0160

MARINE 74/58/(53)

From

Master Attendant,
Singapore,
17th August, 1963.

To

Che' Sidik bin Ismail,
c/o Labour Office,
Havelock Road,
Singapore.

Visit to Horsburgh Lighthouse

With reference to your request to visit Horsburgh lighthouse on the 27th August, I regret that it is not possible to grant you the necessary permission.



(R. L. Bird)
Deputy (for) Master Attendant,
Singapore.

vmq.

M 182

LEE PAK YIN (75)
Chief Inspector of Postmen
General Post Office
Singapore.

To
Director of Singapore Authority
Shipping Dept
Singapore.

I shall be grateful if you will
allow me to visit the Horsburg
light house on 28/6/67.

Thanking you in anticipation

Yours faithfully
Lee Pak Yin

22/11/67) Open, H. Pak Yin permit
for visit of lighthouse 20/6/67

E 2/6

[Handwritten signature]

20/11/67

[Handwritten mark]

M 181

Mr./Mrs. Lee Pak Yin,
Chief Inspector of Postmen,
G.P.O., Singapore 1,.....

Director of Marine's Office,
1st Floor, Fullerton Building,
Singapore, 1.
20th June,..... 1967.


Visit to ~~Horsburgh~~ Lighthouse

With reference to your letter of 20.6.67 permission is hereby granted to you ~~to travel to and from the~~ above Lighthouse on the relief launch on 28.6.67 subject to the following conditions:-

- (a) That the launch used is able to accommodate your party;
- (b) That you and your party travel entirely at your own risk; and
- (c) That a copy of this letter shall be shown to the Launch Master or Lightkeeper as evidence of the above permission.

2. It should also be understood that the lighthouse crews travelling in the launch are to be given priority in the use of all seating and sleeping facilities on board the launch.

E 1/2/6


/ Director of Marine,
Singapore.

* delete if inapplicable.

edm) 2/2/6

Annex 106

Standing Orders and Instructions to Lighthouses issued by
Master Attendant, Singapore dated 13 Sep 1961

Annex B

(17)

STANDING ORDERS & INSTRUCTIONSLIGHTHOUSES

Detached from
 108. 14/57 ad.
 7/1/69. *Wimp*

1. CREWS

Lighthouse Crews with the exception of Fullerton Light will consist of:-

1	Lighthouse Keeper,
1	" Serang,
1	" Leading Hand,
3	" Hands,
1	" Cook.

Fullerton Lighthouse crew will consist of:-

1	Lighthouse Keeper,
1	" Serang,
2	" Hands.

2. ROSTER

Lighthouse Roster for Keepers in sequence:
 Horsburgh, Raffles, Fullerton, Sultan Shoal, Pulau Pisang - Shore Leave.

Crews with exception of Fullerton which is permanent:
 Horsburgh, Raffles, Sultan Shoal, Pulau Pisang - Shore Leave.

3. DUTIES

The Keeper is in sole charge of the Lighthouse and is directly responsible to the Marine Department Engineer to see that:

- The light is in good order and that character timing is correct.
- The clockwork machinery is maintained in good working order.
- The buildings, storerooms and their surroundings are kept in a clean condition.
- The crew are well behaved and disciplined.

The Serang is directly responsible to the Keeper in seeing that all orders are carried out efficiently. He is in charge of work parties and will allocate work to members of the crew.

The Cook is directly responsible to the Keeper. He will do all the Lightkeeper's cooking (except food which, for personal religious reasons, he does not wish to cook) and wash his clothes (optional). He will also relieve the Lighthouse Keeper of watches when required, provided that the Keeper is awake and has not retired. The cooking of the crew's food will be done by the Lighthouse Hands in turn.

4. WATCHES

6.00 p.m. to 10.00 p.m. - Lightkeeper (or cook) and 1 Lighthouse Hand.

10.00 p.m. to 2.00 a.m. - Serang & 1 Lighthouse Hand.

X

2.00 a.m. to 5.00 a.m. - Leading Hand & 1 Lighthouse Hand.
At 6 a.m. all crew will turn out for cleaning Lamp Room, machinery, lenses, etc.

5. PERMISSION TO LEAVE LIGHTHOUSE.

No member of the crew will leave the Lighthouse (or island) without permission of the Marine Department Engineer or other more Senior Officer of the Department.

Whenever it is necessary for a member of the crew of the Lighthouse to leave the Lighthouse or island to proceed to a neighbouring island to obtain fresh food, vegetables or such, or for any other purpose, the Lightkeeper must first obtain permission for him to do so from a Senior Officer of the Department.

The following is the procedure to be carried out in connection with the above:-

- (a) Lightkeeper to ask permission by R/T.
- (b) Office will inform Lightkeeper by R/T whether permission is granted or otherwise.
- (c) When permission is granted, the time the person is intended to leave should be entered in both Office and Lighthouse R/T logbooks.
- (d) The Lightkeeper is to inform the Office when the person concerned has returned to the Lighthouse. Should he have not returned within a reasonable period, the Lightkeeper should inform the Office accordingly.

Disciplinary action will be taken in respect of any Lightkeeper or Lighthouse crew disobeying this order.

6. VISITORS, etc.

Lightkeepers are instructed that no visitors - apart from their wives and children - are allowed to land or stay at lighthouses without a permit issued by the Master Attendant, provided that shelter may be given to persons in distress or requiring assistance.

In such cases, the Lightkeeper is to report the circumstances to the Port Office forthwith.

Severe disciplinary action will be taken if this order is found to have been contravened.

His Excellency the Yang di-Pertuan Negara's room and Guests' Room are to be kept locked and not used by ordinary visiting parties, unless permission be given in writing or obtained through R/T set from Master Attendant or other Senior Officers.

The rooms are only to be opened up for H.E. the Yang di-Pertuan Negara or other V.I.Ps.

7. COMPLAINTS

Any complaints may be sent to Marine Department Engineer through R/T set or in writing.

8. MARINE DEPARTMENT LAUNCHES ARRIVING AT LIGHTHOUSES.

Whenever a Marine Department launch is sighted approaching a Lighthouse, the Lightkeeper and at least two members of the crew should be on the Pier correctly dressed to receive them.

In the case of M.A., D.M.A. and M.D.E. arriving at one of the Lighthouses, the Keeper and all the crew are to be assembled on the pier correctly dressed to receive them.

9. MAINTENANCE OF LIFE-BOAT & DAVITS

The life-boat is to be put into the water at least once a week for a few hours; it is to be kept clean and ready for use at all times. Any repairs that are required should be at once reported to M.D.E. who will arrange for them to be carried out. Davits and lifting gear are to be maintained in good working condition.

10. FLYING OF ENSIGN

The State ensign is to be flown from 8.00 a.m. until sunset every day. Lighthouses will be informed by R/T when it is required to fly flags at half-mast.

11. BOOKS

The following books are to be kept at all Lighthouses:-
Stores Inventory
Medical Inventory
Diary
Visitors' Book.

These shall be kept up-to-date at all times. In the case of the Visitors Book, the Lightkeeper should personally see that all visitors make an appropriate entry.

12. RATIONS & STORES

Lightkeepers are personally responsible for checking and receiving stores and rations.

Rations must be carefully examined, and any complaints must be lodged with M.D.E. before leaving for the Lighthouse.

13. RADIO TELEPHONY COMMUNICATION

Lightkeepers will communicate with the Port Office during the first five minutes of every four hours commencing at 0800, 1200, 1600 until 2000 hours, and the Lightkeepers will make their reports in the following order:-

- (a) Horsburgh,
- (b) Raffles,
- (c) Sultan Shoal,
- (d) Pulau Pisang.

Each Lightkeeper will be called in turn by the Port Office. Should any Lightkeeper at any time, other than at the above routine times, have any urgent report to make, he should attempt to communicate direct with the Coastguard and ask them to telephone the Port Office. The Port Office will then at once switch on their set and communicate with the appropriate Lightkeeper.

UNDER NO CIRCUMSTANCES ARE LIGHTKEEPERS TO COMMUNICATE WITH EACH OTHER EXCEPT IN CASES OF EXTREME URGENCY.

The following procedure will be adopted when calling Lighthouses at the routine times:-

Port Office to all Lighthouses - Stand by

Port Office to Horsburgh	Horsburgh to Port Office
"Anything to report?"	(Make report).
Port Office to Horsburgh	Horsburgh to Port Office
"Message received. Stand by."	"Standing by".
Port Office to Raffles	Raffles to Port Office
"Anything to report?"	(Make report).
Port Office to Raffles	Raffles to Port Office
"Message received. Stand by."	"Standing by."
Port Office to Sultan Shoal	Sultan Shoal to Port Office
"Anything to report?"	(Make report.)
Port Office to Sultan Shoal	Sultan Shoal to Port Office
"Message received. Stand by."	"Standing by."
Port Office to P. Pisang	P. Pisang to Port Office
"Anything to report?"	(Make report).
Port Office to P. Pisang	P. Pisang to Port Office
"Message received. Stand by."	"Standing by."

If Port Office has no message to pass to Lightkeepers, the Office will say, "Port Office to all Lighthouses. I am now closing down. Over and out."

If the Port Office has a message to all or one of the Lighthouses, it can be passed by calling all or one Lighthouse after receiving the report, before closing down as all Lighthouses are still standing by.

14. REFRIGERATOR

The following instructions with regard to the use and maintenance of kerosene refrigerators are to be rigidly adhered to by all Lighthouse staff.


- (a) No pork, or meat derived from pork, is to be stored in the refrigerator.
- (b) Raw meat and fish to be wrapped in grease-proof paper.
- (c) No hot liquids or solids are to be placed in the refrigerator. They should be allowed to cool naturally before storing.
- (d) Defrosting must be carried out when one half inch of ice forms on the freezing chamber and should be carried out by extinguishing the flame, leaving the door open and allowing the ice to melt. The interior should then be thoroughly cleaned and dried before re-lighting.
- (e) The refrigerator must be kept at all times in a clean and hygienic condition. To clean use warm water and dry off with chamios leather. Soap must not be used.
- (f) The pink kerosene supplied for this purpose is only to be used. On no account must the ordinary kerosene be used.
- (g) Particular care must be taken to ensure that traces of oil are not left on the tank top. This tank top must be kept clean to avoid the serious risk of fire.
- (h) The burner unit and flue and the trimming of the burner wick will be carried out by the lighthouse mechanic during each relief day.

15. D/F RADIO BEACON AT HORSBURGH LIGHTHOUSE

The transmitting Beacon will be maintained by the Telecommunications department, Singapore, and the two diesel generators by the Marine Department Engineer.

The duties of the Lightkeeper in this respect are:-

- (a) to arrange and maintain a twenty-four watch on the Beacon and generator in use.
- (b) the failure of transmitting Beacon must be reported to the M.D.E. or other Senior Officer immediately irrespective of hour, by R/T through Fullerton Lighthouse or Port Office dependent on time of failure.
- (c) In event of mechanical or electrical failure the Keeper shall use the stand-by engine and such failure must be reported to the M.D.E. or other Senior Officer.
- (d) the Keeper shall keep an up-to-date log of hours run including fuel and lubricating oil consumption on log sheets supplied for onward transmission to M.D.E. on each relief day, together with correct balance of such oils, i.e. high speed dieseline, lubricating oil, flushing oil, high temperature grease, etc.
- (e) the engine room and engines shall at all times be kept in a clean condition.


Ag. Master Attendant,
Singapore.
13th. September 1961.

Annex 107

Malaysia Act 1963 (United Kingdom)

“the Territories” means Southern Rhodesia, Northern Rhodesia and Nyasaland, and “Territory” shall be construed accordingly.

(3) The powers conferred by this Act shall be in addition to, and not in derogation of, the powers conferred by any other enactment.

1963 CHAPTER 35

Malaysia Act 1963

ARRANGEMENT OF SECTIONS

Section

1. Malaysia.
2. Consequential modifications of British Nationality Acts.
3. Operation of existing law.
4. Power to make consequential provisions.
5. Judicial arrangements.
6. Short title and repeals.

SCHEDULES:

Schedule 1—Exemptions from operation of s. 2(2) of Act.

Schedule 2—Provisions referred to in s. 3(2) of Act.

Schedule 3—Repeals.

An Act to make provision for and in connection with the federation of North Borneo, Sarawak and Singapore with the existing States of the Federation of Malaya.
[31st July 1963]

BE IT ENACTED by the Queen's most Excellent Majesty, by and with the advice and consent of the Lords Spiritual and Temporal, and Commons, in this present Parliament assembled, and by the authority of the same, as follows:—

1.—(1) For the purpose of enabling North Borneo, Sarawak Malaysia and Singapore (in this Act referred to as “the new States”) to federate with the existing States of the Federation of Malaya (in this Act referred to as “the Federation”), the Federation thereafter being called Malaysia, on the day on which the new States are federated as aforesaid (in this Act referred to as “the appointed day”) Her Majesty's sovereignty and jurisdiction in respect of the new States shall be relinquished so as to vest in the manner agreed between the United Kingdom of Great Britain and Northern Ireland, the Federation and the new States.

(2) Her Majesty may by Order in Council enact State Constitutions to take effect for the new States immediately before the appointed day.

Consequential
modifications
of British
Nationality
Acts.

2.—(1) On and after the appointed day the British Nationality Acts 1948 and 1958 shall have effect as if in subsection (3) of section 1 of the Act of 1948 (which provides for persons to be British subjects or Commonwealth citizens by virtue of citizenship of certain countries) for the words “the Federation of Malaya, the State of Singapore” there were substituted the word “Malaysia”.

(2) Save as provided by Schedule 1 to this Act, any person who immediately before the appointed day is a citizen of the United Kingdom and Colonies shall on that day cease to be such a citizen if on that day he becomes a citizen of the Federation.

(3) On and after the appointed day, section 6(2) of the British Nationality Act 1948 (which provides for the registration as a citizen of the United Kingdom and Colonies of a woman who has been married to such a citizen) shall not apply to a woman by virtue of her marriage to a person who on the appointed day ceases to be such a citizen under subsection (2) of this section, or would have done so if living on the appointed day.

(4) Part III of the British Nationality Act 1948 (which contains supplemental provisions) shall have effect for the purposes of the foregoing subsection and Schedule 1 to this Act as if those provisions were included in that Act.

Operation
of existing
law.

3.—(1) On and after the appointed day all law which, whether being a rule of law or a provision of an Act of Parliament or of any other enactment or instrument whatsoever, is in force on that day or has been passed or made before that day and comes into force thereafter, shall, unless and until provision to the contrary is made by Parliament or some other authority having power in that behalf, and save as otherwise provided by this Act, have the same operation in relation to the Federation, to any of the States of the Federation, and to persons and things belonging to or connected with the Federation or any of the States thereof, as it would have apart from this subsection if the new States had not become included in the Federation and section 1 of this Act had not been passed.

(2) The enactments specified in Schedule 2 to this Act shall have effect on and after the appointed day in accordance with the provisions of that Schedule.

(3) This section applies to law of or of any part of the United Kingdom, the Channel Islands and the Isle of Man and, in relation only to any enactment of the Parliament of the United Kingdom or any Order in Council made by virtue of any such enactment whereby any such enactment applies in relation to the Federation or any territory which will be comprised therein on and after the appointed day, to law of any other country or territory to which that enactment or Order extends.

4.—(1) Her Majesty may by Order in Council make such adaptations in any Act of Parliament passed before the appointed day as appear to Her Majesty necessary or expedient in consequence of the new States becoming included in the Federation. ^{Power to make consequential provisions.}

(2) Any Order in Council made under subsection (1) of this section, and any Order in Council or other instrument made under any other enactment which varies or revokes a previous Order in Council or instrument in consequence of the new States becoming included in the Federation, may, though made after the appointed day, be made so as to have effect from that day.

(3) Any Order in Council under subsection (1) of this section shall be subject to annulment in pursuance of a resolution of either House of Parliament, and may be varied or revoked by a subsequent Order in Council.

5.—(1) As from the appointed day, section 3 of the Federation of Malaya Independence Act 1957 (which provides for appeals from the Supreme Court of the Federation) shall have effect as if in subsection (1) the reference to the Supreme Court of the Federation included— ^{Judicial arrangements.}

(a) a reference to the Federal court thereof; and also

(b) as respects appeals brought after the appointed day from decisions of the Supreme Court of Sarawak, North Borneo and Brunei or the Supreme Court or Court of Criminal Appeal of Singapore given before that day (not being appeals to the Federal court), a reference to those Courts.

(2) Arrangements made in pursuance of the said section 3 may be made so as to apply to any appeal to Her Majesty in Council, or any application for leave to bring such an appeal, from a decision of any of the courts mentioned in paragraph (b) of the foregoing subsection which is pending on the appointed day; but except as aforesaid nothing in this Act shall be construed as continuing in force any right of appeal to Her Majesty in Council from any such court.

(3) References in subsection (1)(b) and (2) of this section to decisions of the Supreme Court of Sarawak, North Borneo and Brunei do not include references to decisions of that Court in the exercise of jurisdiction derived from any law of the State of Brunei.

6.—(1) This Act may be cited as the Malaysia Act 1963.

Short title
and repeals.

(2) As from the appointed day the enactments specified in Schedule 3 to this Act are hereby repealed to the extent specified in the third column of that Schedule.

SCHEDULES

Section 2.

SCHEDULE 1

EXEMPTIONS FROM OPERATION OF S. 2(2) OF ACT

1. Subject to paragraph 5 of this Schedule, a person shall not cease to be a citizen of the United Kingdom and Colonies under section 2(2) of this Act if he, his father or his father's father—

- (a) was born in the United Kingdom or in a colony; or
- (b) is or was a person naturalised in the United Kingdom and Colonies; or
- (c) was registered as a citizen of the United Kingdom and Colonies; or
- (d) became a British subject by reason of the annexation of any territory included in a colony.

2. A person shall not cease to be a citizen of the United Kingdom and Colonies under section 2(2) of this Act if he was born in a protectorate or protected state, or if his father or his father's father was so born and is or at any time was a British subject.

3. A woman who is the wife of a citizen of the United Kingdom and Colonies shall not cease to be such a citizen under section 2(2) of this Act unless her husband does so.

4. Subject to paragraph 5 of this Schedule, the reference in paragraph 1(b) of this Schedule to a person naturalised in the United Kingdom and Colonies shall include a person who would, if living immediately before the commencement of the British Nationality Act 1948, have become a person naturalised in the United Kingdom and Colonies by virtue of section 32(6) of that Act (which relates to persons given local naturalisation in a colony or protectorate before the commencement of that Act).

5. Any reference in paragraph 1 or 2 of this Schedule to a colony, protectorate or protected state shall, subject to the following paragraph, be construed as a reference to a territory which is a colony, protectorate or protected state on the appointed day; and paragraph 1 of this Schedule shall not apply to a person by virtue of any certificate of naturalisation granted or registration effected by the Governor or government of a territory outside the United Kingdom which is not a colony, protectorate or protected state on the appointed day.

6. The protectorates of Northern Rhodesia and Nyasaland shall be excepted from the operation of any reference in paragraph 2 or paragraph 5 of this Schedule to a protectorate.

Section 3.

SCHEDULE 2

PROVISIONS REFERRED TO IN S. 3(2) OF ACT

1. References in the following enactments, that is to say—

- (a) the First Schedule to the Federation of Malaya Independence Act 1957, and the enactments amended by that Schedule,
- (b) section 2(4) of the Import Duties Act 1958,
- (c) section 8(2) of the Imperial Institute Act 1925, as amended by the Commonwealth Institute Act 1958,

(d) the definition of "excepted ship or aircraft" in paragraph 3 of the Third Schedule to the Emergency Laws (Repeal) Act 1959, and

(e) section 1(5) of the Diplomatic Immunities (Conferences with Commonwealth Countries and Republic of Ireland) Act 1961, to the Federation shall be construed as references to the Federation as constituted on and after the appointed day.

2. In the Civil Aviation (Licensing) Act 1960, in section 2(7)(b) the expression "colony" shall be construed as not including any of the new States.

3. Section 1 of the Army and Air Force Act 1961 shall not empower the making of an Order in Council so as to continue the Army Act 1955 or the Air Force Act 1955 in force as part of the law of any of the new States.

SCHEDULE 3

Section 6.

REPEALS

<i>Session and Chapter</i>	<i>Short Title</i>	<i>Extent of repeal</i>
9 & 10 Geo. 6. c. 37.	The Straits Settlements (Repeal) Act 1946.	The whole Act.
6 & 7 Eliz. 2. c. 59.	The State of Singapore Act 1958.	The whole Act.
8 & 9 Eliz. 2. c. 38.	The Civil Aviation (Licensing) Act 1960.	In section 2(7), in paragraph (a) the words "a citizen of the State of Singapore" and in paragraph (b) the words "a citizen of the said State"

Table of Statutes referred to in this Act

Short Title	Chapter
Imperial Institute Act 1925	15 & 16 Geo. 5. c. xvii
British Nationality Act 1948	11 & 12 Geo. 6. c. 56.
Army Act 1955	3 & 4 Eliz. 2. c. 18.
Air Force Act 1955	3 & 4 Eliz. 2. c. 19.
Federation of Malaya Independence Act 1957	5 & 6 Eliz. 2. c. 60.
Import Duties Act 1958	6 & 7 Eliz. 2. c. 6.
Commonwealth Institute Act 1958	6 & 7 Eliz. 2. c. 16.
Emergency Laws (Repeal) Act 1959	7 & 8 Eliz. 2. c. 19.
Civil Aviation (Licensing) Act 1960	8 & 9 Eliz. 2. c. 38.
Diplomatic Immunities (Conferences with Commonwealth Countries and Republic of Ireland) Act 1961	9 & 10 Eliz. 2. c. 11.
Army & Air Force Act 1961	9 & 10 Eliz. 2. c. 52.

Annex 108

Malaysia Act 1963 (Federation of Malaya)

FEDERATION OF MALAYA

Act of Parliament

No. 26 OF 1963

MALAYSIA ACT

An Act for Malaysia.

[16. 9. 63.] A. N. 214

63

WHEREAS on behalf of the Federation it has been agreed, among other things, that the British colonies of North Borneo and Sarawak and the State of Singapore shall be federated with the existing States of the Federation as the States of Sabah, Sarawak and Singapore, and that the name of the Federation should thereafter be Malaysia;

AND WHEREAS, to give effect to the agreement, it is necessary to amend the Constitution of the Federation so as to provide for the admission of those States and for matters connected therewith;

AND WHEREAS the Conference of Rulers has consented to the passing of this Act in so far as it amends Articles 38 and 153 of the Constitution or otherwise affects the privileges, position, honours or dignities of their Highnesses:

NOW, THEREFORE, be it enacted by the Duli Yang Maha Mulia Seri Paduka Baginda Yang di-Pertuan Agong with the advice and consent of the Dewan Negara and Dewan Ra'ayat in Parliament assembled, and by the authority of the same, as follows:

PART I

PRELIMINARY

1. This Act may be cited as the Malaysia Act. Citation.
2. Except in so far as the contrary intention appears, this Act shall come into force on the thirty-first day of August, nineteen hundred and sixty-three or such later day as may, before the said thirty-first day of August, have been specified for the purpose by proclamation of the Yang di-Pertuan Agong; and in this Act and in any other written law "Malaysia Day" shall mean the day on which this Act comes into force. Commence-
ment.
3. The Constitution shall be amended as shown in the First Schedule to this Act, by inserting as Articles of the Constitution in accordance with that Schedule the sections of this Act specified in the second column, and those sections shall be read and have effect accordingly: Sections of
Act inserted
in Consti-
tution.

Provided that any Article so inserted shall have effect subject to the transitional provisions contained in Part IV of this Act.

PART II

THE STATES OF THE FEDERATION

The name, States and territories of the Federation. (Article 1)

4. (1) The Federation shall be known, in Malay and in English, by the name Malaysia.

(2) The States of the Federation shall be—

- (a) the States of Malaya, namely, Johore, Kedah, Kelantan, Malacca, Negri Sembilan, Pahang, Penang, Perak, Perlis, Selangor and Trengganu; and
- (b) the Borneo States, namely, Sabah and Sarawak; and
- (c) the State of Singapore.

(3) The territories of each of the States mentioned in Clause (2) are the territories comprised therein immediately before Malaysia Day.

PART III

GENERAL CONSTITUTIONAL ARRANGEMENTS

TITLE I

GENERAL PROVISIONS AS TO FEDERAL AND STATE INSTITUTIONS

Chapter 1—Preliminary

Interpretation of constitutional terms.

5. In Article 160 of the Constitution, in Clause (2), there shall be inserted (in the places required by the alphabetical order and in substitution for the existing definition, if any, of the same term) the following definitions:

“Attorney-General” means the Attorney-General of the Federation;

“Chief Minister” and “Mentri Besar” both mean the president, by whatever style known, of the Executive Council in a State (and in particular “Chief Minister” includes the Prime Minister in Singapore);

“Executive Council” means the Cabinet or other body, however called, which in the government of a State corresponds, whether or not the members of it are Ministers, to the Cabinet of Ministers in the government of the Federation (and in particular includes the Supreme Council in Sarawak);

“Governor” means the Head of State, by whatever style known, in a State not having a Ruler (and in particular includes the Yang di-Pertua Negara in Sabah and the Yang di-Pertuan Negara in Singapore);

Annex 109

Preliminary inquiry conducted by Master Attendant, Singapore
dated 14 Nov 1963

CONFIDENTIAL

**STRANDING OF THE M.V. "WOODBURN"
ON HORSBURGH LIGHTHOUSE REEF.**

REPORT OF PRELIMINARY INQUIRY.

by

**MASTER ATTENDANT,
SINGAPORE.**

14th November, 1963.

CONFIDENTIAL

STRANDING OF THE M.V. "WOODBURN"
ON HORSBURGH LIGHTHOUSE REEF.

REPORT OF PRELIMINARY INQUIRY

Details of Casualty

The motor vessel "Woodburn" Official No. 186931 registered at the Port of Newcastle, being of 5,784.38 registered tons, sailed from the Port of Singapore at 1728 hours on the 7th of November, 1963, bound for Yokohama, Japan. The vessel had a crew of 41 men including the Master, Captain George Black, and had on board 12,626 long tons of bauxite ore which had been previously loaded at Telok Raminia, South Johore. The vessel was in possession of valid Loadline and Safety Equipment Certificates.

2. After clearing the Port Limits of Singapore the Master ordered a course of 085 degrees true to be steered to take the vessel eastwards through the Singapore Straits towards Horsburgh Lighthouse, and it was the Master's intention that the vessel should alter course when abeam of Lima Island so as to pass north of Horsburgh Lighthouse. The courseline of 085 degrees was drawn in pencil on the chart and extended to the south of Horsburgh Lighthouse, although it was intended that the vessel would alter course as previously mentioned. The second courseline passing to the north of Horsburgh was not drawn on the chart. The Master ordered Fall Away at 1800 hours and, at that time, the Chief Officer, Mr. W.D. Pargeter, an apprentice and an A.B. were on watch on the bridge. A little after 1815 the Chief Officer ordered the automatic pilot to be switched on. The A.B. was stationed on the starboard wing of the bridge on look-out and the apprentice was engaged in taking compass bearings and maintaining general look-out duties. The Chief Officer was making occasional observations on the radar. Between 1905 and 1910 the Master attended on the bridge and discussed the alteration of course to the north of Horsburgh with the Chief Officer. The Master then left the bridge at about 1910. The Chief Officer states that it was his intention to alter course when abeam of Lima Channel Buoy

/but it

but it appears that he went into the wheel-house and after sitting in the bridge chair fell asleep. At this time the vessel was on the 085 degrees course with Horsburgh Lighthouse sighted flashing fine on the port bow. The intended alter course position was passed and the vessel continued on a course of 085 degrees, passing extremely close to Horsburgh Lighthouse. Both the apprentice and the look-out realised that they were too close to the Lighthouse when they saw the Lighthouse crew flashing torches and banging empty kerosene drums. They both shouted to the Chief Officer who woke up and dashed to the port wing of the bridge. It appears that almost immediately the vessel struck one of the off-lying rocks adjacent to the Lighthouse, and as the vessel sheered off course the automatic pilot alarm rang. The vessel proceeded a few yards further and stranded on a rock adjacent to Batu Mandi. The apprentice has stated that he was not familiar with these waters and, seeing the course line drawn to the south of the Horsburgh Lighthouse, assumed that this was the intended course. Had he known that the Master had given orders to alter course when abeam of Lima Island he would have reminded the Chief Officer of this fact ^{but} ~~and~~, as he was unaware of this and as there was no indication on the chart that the vessel was to alter course, he was not unduly worried with the situation. It appears that neither the A.B. nor the apprentice on watch realised that the Chief Officer was asleep in the wheel-house as they were stationed on the port and starboard wings of the bridge respectively. As this report is being written the vessel remains stranded on the reef at Horsburgh Lighthouse with the No. 1 Hold and the Fore Peak flooded and the No. 2 Hold leaking.


Conclusions.

3. In my opinion the Chief Officer is guilty of serious negligence and there is no doubt that a Court of Formal Investigation will take a serious view of his action in falling asleep whilst in charge of a watch. One cannot but feel some sympathy for the Master in that he felt that there was no need for him to remain on the bridge during this part of the passage as the ship was in the hands of an experienced navigator but,

/in my opinion,

in my opinion, he cannot be entirely absolved from blame. The manner of navigation on board the ship was, to say the least, slap-dash, and had the courses been plotted on the chart in the ^{accepted} ~~expected~~ manner, there is no doubt the apprentice would have realised the danger and alerted the Chief Officer. Other factors relating to the application of compass errors, although not contributing to the casualty, were contrary to good navigation. One would also have expected the Master to attend on the bridge when the vessel was about to alter course close to the coast. I feel that no blame can be attached to the apprentice as he is a young man with only two years of experience, and he was in no way responsible for the conduct of the watch which was solely in the hands of the Chief Officer. Nor can any blame be attached to the A.B. who was on look-out duty. I therefore find that the stranding was caused by serious negligence of the Chief Officer and contributing negligence by the Master.

4. It is recommended that the Minister appoint a Court of Investigation into this casualty under the provisions of section 315 of the Merchant Shipping Ordinance (Cap. 207).


(J.A.L. Pavitt)
MASTER ATTENDANT.

Date: 14th November, 1963.

Annex 110

Letter of Appointment of Court of Investigation under
Merchant Shipping Ordinance (Cap. 207) regarding "MV
Woodburn" by Deputy Prime Minister dated 4 Dec 1963

MERCHANT SHIPPING ORDINANCE. (CHAPTER 207).

APPOINTMENT OF A COURT OF INVESTIGATION.

1. WHEREAS the m.v. "WOODBURN" (Official Number 186931), a British ship registered in the port of Newcastle in the United Kingdom, was stranded at about 8 p.m. on the 7th November, 1963, on Horsburgh Lighthouse Reef;
2. AND WHEREAS it is expedient to appoint a Court of Investigation to examine the circumstances attending the aforesaid stranding;
3. AND WHEREAS, the Minister may, under subsection 1 of section 315 of the Merchant Shipping Ordinance, appoint a Court of Investigation for the purpose of holding a formal investigation in any case where a shipping casualty has occurred;
4. NOW THESE PRESENTS WITNESS that I do hereby, under and by virtue of the powers conferred on me by section 315 of the Merchant Shipping Ordinance appoint the following persons to be a Court of Investigation for the purpose of examining into the matters as aforesaid:-

<p>D.C. D'Cotta, Esq., First Civil District Judge, First Civil District Court, Singapore,</p>	}	PRESIDENT,
--	---	------------

Capt. W.G. Bradshaw,
 C/o Straits Steamship Co. Ltd.,
 Ocean Building,
 Singapore, 1,

Capt. S.S. Samson,
 C/o S.N.S.O.,
 H.M. Naval Base,
 Singapore.

5. AND I do hereby fix the First Civil District Court, Empress Place, Singapore, to be the place in which the aforesaid Court of Investigation shall be held.

GIVEN at Singapore this 4th day of December, 1963.

Sgt. (Toh Chin Chye)
 Deputy Prime Minister.

Annex 111

Separation Agreement between Malaysia and Singapore
dated 7 Aug 1965



~~Prime Minister,~~
Malaysia,
Kuala Lumpur

- 2 -

ARTICLE II

Singapore shall cease to be a State of Malaysia on the 9th day of August, 1965, (hereinafter referred to as "Singapore Day") and shall become an independent and sovereign state separate from and independent of Malaysia and recognised as such by the Government of Malaysia; and the Government of Malaysia will proclaim and enact the constitutional instruments annexed to this Agreement in the manner hereinafter appearing.

ARTICLE III

The Government of Malaysia will declare by way of proclamation in the form set out in Annex A to this Agreement that Singapore is an independent and sovereign state separate from and independent of Malaysia and recognised as such by the Government of Malaysia.

ARTICLE IV

The Government of Malaysia will take such steps as may be appropriate and available to them to secure the enactment by the Parliament of Malaysia of an Act in the form set out in Annex B to this Agreement and will ensure that it is made operative as from Singapore Day, providing for the relinquishment of sovereignty and jurisdiction of the Government of Malaysia in respect of Singapore so that the said sovereignty and jurisdiction shall on such relinquishment vest in the Government of Singapore in accordance with this Agreement and the constitutional instruments annexed.



~~Deputy~~ Prime Minister,
Malaysia,
Kuala Lumpur

- 3 -

ARTICLE V

The parties hereto will enter into a treaty on external defence and mutual assistance providing that:-

- (1) the parties hereto will establish a joint defence council for purposes of external defence and mutual assistance;
- (2) the Government of Malaysia will afford to the Government of Singapore such assistance as may be considered reasonable and adequate for external defence, and in consideration thereof, the Government of Singapore will contribute from its own armed forces such units thereof as may be considered reasonable and adequate for such defence;
- (3) the Government of Singapore will afford to the Government of Malaysia the right to continue to maintain the bases and other facilities used by its military forces within Singapore and will permit the Government of Malaysia to make such use of these bases and facilities as the Government of Malaysia may consider necessary for the purpose of external defence;
- (4) each party will undertake not to enter into any treaty or agreement with a foreign country which may be detrimental to the independence and defence of the territory of the other party.

ARTICLE VI

The parties hereto will on and after Singapore Day co-operate in economic affairs for their mutual benefit and interest and for this purpose may set up such joint



By His Prime Minister,
Malaysia,
Kuala Lumpur

- 4 -

committees or councils as may from time to time be agreed upon.

ARTICLE VII

The provisions of Annex J and K of the Agreement relating to Malaysia dated the 9th day of July, 1963 are hereby expressly rescinded as from the date of this Agreement.

ARTICLE VIII

With regard to any agreement entered into between the Government of Singapore and any other country or corporate body which has been guaranteed by the Government of Malaysia, the Government of Singapore hereby undertakes to negotiate with such country or corporate body to enter into a fresh agreement releasing the Government of Malaysia of its liabilities and obligations under the said guarantee, and the Government of Singapore hereby undertakes to indemnify the Government of Malaysia fully for any liabilities, obligations or damage which it may suffer as a result of the said guarantee.



Deputy Prime Minister,
Malaysia,
Kuala Lumpur

- 5 -

In witness whereof, the undersigned, being duly authorised thereto, have signed this Agreement.

Done this 7th day of August, 1965, in two copies of which one shall be deposited with each of the Parties.

For the Government of Malaysia:

Prime Minister

Deputy Prime Minister

Minister of Home Affairs

Minister of Finance

Minister of Works, Posts & Telecommunications

For the Government of Singapore:

Prime Minister

Deputy Prime Minister

Minister for Finance

Minister for Law

Minister for Culture

Minister for Social Affairs

Minister for Education

Minister for Health

Minister for National Development

Minister for Labour

Annex 112

Interpretation Act, 1965 (Republic of Singapore)

- “rules of court”, when used in relation to any court, means rules made by the authority having for the time being power to make rules or orders regulating the practice and procedure of such court, together with the forms necessary thereto;
- “Secretary to the Cabinet” means the Secretary to the Cabinet appointed in accordance with the provisions of the Constitution;
- “service by post”, where an Act authorizes or requires any document to be served by post, whether the expression “serve”, “give” or “send” or any other expression is used, then, unless a contrary intention appears, the service shall be deemed to be effected by properly addressing, prepaying and posting a letter containing the document, and, unless the contrary is proved, shall be deemed to have been effected at the time at which the letter would be delivered in the ordinary course of post;
- “ship” includes every description of vessel used in navigation not exclusively propelled by oars or paddles;
- “sign”, with its grammatical variations and cognate expressions, with reference to a person who is unable to write his name, includes “mark” with its grammatical variations and cognate expressions;
- “Singapore” means the Republic of Singapore and shall be deemed to include the Island of Singapore and all islands and places which on the 2nd day of June, 1959, were administered as part of Singapore and all territorial waters adjacent thereto;
- “Solicitor-General” means the Solicitor-General of Singapore;
- “Speaker” means the Speaker of the Parliament elected in accordance with the provisions of the Constitution;
- “States of Malaya” means the States of Johore, Kedah, Kelantan, Malacca, Negri Sembilan, Pahang, Penang, Perak, Perlis, Selangor and Trengganu, which constitute part of Malaysia;
- “statutory declaration”, if made —
- (a) in Singapore, means a declaration made under the Statutory Declarations Ordinance;

Annex 113

Letter from Ministry for Foreign Affairs, Singapore to
Attorney-General, Singapore dated 4 Sep 1968

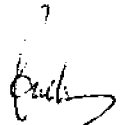
SECRET

P.S. (Foreign Affairs) to A.G. - 4.9.68

(Attn. Mr. Chao Hick Tin)Pulau Pisang

According to a telephone message from our High Commission in Kuala Lumpur yesterday, our First Secretary was called up by the Malaysian Ministry of Foreign Affairs yesterday evening and his attention was drawn to the fact that the Singapore flag has been seen flying over Pulau Pisang, off Pontian, in recent months. The official concerned, Inche Hamzah Majid, Assistant Secretary of the South-East Asia Division, told Mr. Kajapathy that under an indenture signed in 1900 between the British and the Sultan of Johore, the British were allowed to construct a lighthouse on the island. In 1951, it is claimed, the British had reaffirmed that sovereignty of this Island still remained with the Sultan of Johore. As such, the Island is still a part of Malaysia and it is improper for the Singapore flag to be flown. Apparently there have been some complaints about this in the Utusan Melayu. The official concerned asked that the matter be communicated to the Government of Singapore and that instructions be given for the flag to be brought down as soon as possible.

2. I would appreciate if you would examine this question and advise the Director of Marine accordingly, if you are satisfied that there is no basis for us to fly our flag on the Island. I am copying this to Director of Marine in view of the urgency of the matter.


(S.R. Nathan)
for Permanent Secretary
(Foreign Affairs)

F.S. (Communications)

c.c.: Director of Marine

Singapore High Commission in Kuala Lumpur

SRK/et

Annex 114

Federation of Malaysia, Emergency (Essential Powers)
Ordinance, No. 7 1969, section 3

LAWS OF MALAYSIA

Ordinance 7

EMERGENCY (ESSENTIAL POWERS) ORDINANCE, No. 7 1969

An Ordinance promulgated by the Yang di-Pertuan Agong under Article 150 (2) of the Constitution.

[]

P.U. (A) 145/69.

WHEREAS by reason of the existence of a grave emergency threatening the security of Malaysia, a Proclamation of Emergency has been issued by the Yang di-Pertuan Agong under Article 150 of the Constitution;

P.U. (A) 94/69.

AND WHEREAS Parliament was dissolved on the twentieth day of March, 1969, and elections to the new Dewan Ra'ayat have not been completed;

AND WHEREAS the Yang di-Pertuan Agong is satisfied that immediate action is required for an Ordinance to be promulgated for the delimitation of the territorial waters of Malaysia;

IT IS HEREBY ENACTED by the Duli Yang Maha Mulia Seri Paduka Baginda Yang di-Pertuan Agong pursuant to Clause (2) of Article 150 of the Constitution as follows:

Citation. 1. This Ordinance may be cited as the Emergency (Essential Powers) Ordinance, No. 7 1969.

Application. 2. This Ordinance shall apply throughout Malaysia.

Breadth of territorial waters. 3. (1) It is hereby declared that the breadth of the territorial waters of Malaysia shall be twelve nautical miles and such breadth shall be measured in accordance with Articles 3, 4, 6, 7, 8, 9, 10, 11, 12 and 13 of the Geneva Convention on the Territorial Sea and the Contiguous Zone (1958), which Articles are set out in the Schedule hereto.

(2) In applying the aforesaid Articles, the expression "territorial sea" occurring therein shall be construed as "territorial waters".

Modification of laws. 4. (1) Except as provided in sub-section (2), any reference occurring in any written law to territorial waters shall in so far as such reference affects federal law be construed subject to the provisions of this Ordinance.

(2) For the purposes of the Continental Shelf Act, 1966, Petroleum Mining Act, 1966, and the National Land Code Act, 1965, any reference to territorial waters appearing in any of these Acts shall be construed without reference to the provisions of this Ordinance.

Act. No. 57
of 1966.
Act. No. 58
of 1966.
Act. No. 56
of 1965.

5. (1) So soon hereafter as may be possible or thereafter from time to time as he may consider necessary the Yang di-Pertuan Agong shall cause to be published a large-scale map indicating the low water marks, the baselines, the outer limits and the areas of the territorial waters of Malaysia.

Publication
of large-
scale map.

(2) A copy of such map shall be published in the *Gazette* for general information.

6. The Yang di-Pertuan Agong shall, pursuant to any agreement entered into between Malaysia and another coastal State, by order modify the areas of the territorial waters of Malaysia; and any modification so made shall be indicated in a large-scale map and a copy thereof shall be published in the *Gazette* for general information.

Modifica-
tion of
territorial
waters.

7. In any proceedings before any court in Malaysia if question arises as to whether an act or omission has taken place within or without the territorial waters of Malaysia, a certificate to that effect purported to be signed by or on behalf of the Minister charged with the responsibility for external affairs shall be received in evidence and shall be prima facie proof of the facts stated therein.

Evidence.

SCHEDULE

(Section 3)

GENEVA CONVENTION ON THE TERRITORIAL SEA AND THE CONTIGUOUS ZONE (1958).

ARTICLE 3

Except where otherwise provided in these Articles, the normal baseline for measuring the breadth of the territorial sea is the low-water line along the coast as marked on large-scale charts officially recognised by the coastal State.

ARTICLE 4

1. In localities where the coast line is deeply indented and cut into, or if there is a fringe of island along the coast in its immediate vicinity, the method of straight baselines joining appropriate points may be employed in drawing the baseline from which the breadth of the territorial sea is measured.

2. The drawing of such baselines must not depart to any appreciable extent from the general direction of the coast, and the sea areas lying within the lines must be sufficiently closely linked to the land domain to be subject to the regime of internal waters.

Annex 115

Section 389 of the Merchant Shipping Act
(Chapter 172 of the 1970 Revised Edition of the Statutes of the
Republic of Singapore)

(2) Every owner, master and engineer of any ship so surveyed shall, on demand, give to the surveyors all such information and assistance within his power as they require for the purpose of those returns.

(3) Any owner, master or engineer who, on being applied to for that purpose, fails without reasonable cause to give any such information or assistance shall be liable for each offence to a fine not exceeding one hundred dollars. [496 Penalty.

Inspectors

389.—(1) The Minister may, as and when he thinks fit, appoint any person as an inspector to report to him — Appointment of inspector to report on accidents.

- (a) upon the nature and causes of any accident or damage which any ship has sustained or caused or is alleged to have sustained or caused;
- (b) whether the provisions of this or any other Act or of any Imperial Act in force in Singapore, or of any regulations made under or by virtue of this or any other Act, or under or by virtue of any Imperial Act as aforesaid, have been complied with; or
- (c) whether the hull and machinery of any steamship are sufficient and in good condition.

(2) An inspector so appointed and any person having the powers of such an inspector — Powers of inspectors.

- (a) may go on board any ship, ~~British or foreign~~, and inspect the same or any part thereof, or any of the machinery, boats, equipment or articles on board thereof to which the provisions of this Act apply, not unnecessarily detaining or delaying her from proceeding on any voyage;
- (b) may enter and inspect any premises the entry or inspection of which appears to him to be requisite for the purpose of the report which he is directed to make;
- (c) may, by summons under his hand, require the attendance of all such persons as he thinks fit to call before him and examine for the purpose of his report, and may require answers or returns to any enquiries which he thinks fit to make;
- (d) may require and enforce the production of all books, papers or documents which he considers important for the purpose of his report;

(e) may administer oaths or may, in lieu of requiring or administering an oath, require every person examined by him to make and subscribe a declaration of the truth of the statements made by him in his examination.

(3) Every witness summoned under this section shall be allowed such expenses as would be allowed to a witness attending on subpoena to give evidence before the High Court.

(4) In case of any dispute as to the amount of those expenses, the same shall be referred to the Registrar of the Supreme Court, who shall, on request made to him for that purpose under the hand of the inspector or person having the powers of an inspector, ascertain and certify the proper amount of those expenses.

(5) Any person who refuses to attend as a witness before an inspector or before any person having the powers of an inspector, after having been required to do so in manner provided by this section, and after having had a tender made to him of the expenses, if any, to which he is entitled under this section, or who refuses or neglects to make any answer, or to give any return, or to produce any document in his possession, or to make or subscribe any declaration which an inspector or person having the powers of an inspector is hereby empowered to require, shall be liable for each offence to a fine not exceeding two hundred dollars. [497]

General

Power of arrest.
Am. 28 of 1963.

390.—(1) The Director and any Port Health Officer, surveyor of ships or police officer may arrest without warrant any person offending in his view against any of the provisions of this Act and take him before a Magistrate's Court or District Court, as the case may be, to be dealt with according to law.

(2) Any article concerning, by or for which an offence has been committed may be seized and taken to a police station, unless given up sooner by order of a Magistrate's Court or District Court, until the charge is decided in due course of law. [498]

Annex 116

Joint Statement on the Malacca and Singapore Straits by the
Governments of Indonesia, Malaysia and Singapore,
issued on 16 Nov 1971

MC: NOV/21/71(F.A.)

SINGAPORE GOVERNMENT PRESS STATEMENT

EMBARGO UNTIL 12.30 P.M.
ON 16TH NOVEMBER, 1971.

JOINT STATEMENT

The Governments of the Republic of Indonesia, Malaysia and the Republic of Singapore held consultations with a view to adopting a common position on matters relating to the Straits of Malacca and Singapore.

Consultations between the Government of the Republic of Indonesia and the Republic of Singapore were held at the Ministry of Foreign Affairs, Singapore on 8 October 1971 and attended by the Minister of Communications, H.E. Frans Seda and the Indonesian Ambassador to Singapore, H.E. Major General Soenarso, representing Indonesia while Singapore was represented by the Minister for Communications, Mr. Yong Nyuk Lin, the Minister of Defence, Dr. Goh Keng Swee and the Acting Minister for Foreign Affairs, Mr. E.W. Barker.

Consultations between the Government of the Republic of Indonesia and the Government of Malaysia were held at the Attorney-General's Chambers, Kuala Lumpur on 14 October 1971 and attended by the Minister of Communications, H.E. Frans Seda, the Indonesian Ambassador to Malaysia, H.E. Tan Sri Major General H.A. Thalib, PMK and the Indonesian Ambassador to Singapore, H.E. Major General Soenarso representing Indonesia, while Malaysia was represented by the Attorney-General, the Honourable Tan Sri Haji Abdul Kadir bin Yusof and the Deputy Secretary-General, Ministry of Foreign Affairs, Mr. Zainal Abidin bin Sulong.

The results of the abovementioned consultations were as follows:-

- (i) the three governments agreed that the safety of navigation in the Straits of Malacca and Singapore is the responsibility of the coastal states concerned;
- (ii) the three governments agreed on the need for a tripartite cooperation on the safety of navigation in the two straits;

...2/-

- (iii) the three governments agreed that a body for co-operation to co-ordinate efforts for the safety of navigation in the Straits of Malacca and Singapore be established as soon as possible and that such body should be composed of only the three coastal states concerned;
- (iv) the three governments also agreed that the problem of the safety of navigation and the question of internationalisation of the straits are two separate issues;
- (v) the Governments of the Republic of Indonesia and of Malaysia agreed that the Straits of Malacca and Singapore are not international straits, while fully recognising their use for international shipping in accordance with the principle of innocent passage. The Government of Singapore takes note of the position of the Governments of the Republic of Indonesia and of Malaysia on this point;
- (vi) on the basis of this understanding, the three governments approved the continuation of the hydrographic survey.

Announced simultaneously in Djakarta, Kuala Lumpur and Singapore on Tuesday, 16 November 1971 at 1200 hours Western Indonesian Time and at 1230 hours Malaysian and Singapore Time.

Date: 16th November, 1971.

Annex 117

Letter from the American Piscatorial Society to the Light Dues
Board, Singapore dated 17 June 1972

2810

Dr. Brian Tang
104 Jarvis Rd.,
Singapore 10
June 17, 1972
Tel. 641579

Chairman,
Singapore Light Dues Board,
Fullerton Building,
Singapore 1.

Dear Chairman,

I am writing requesting permission to stay on the premises surrounding the Horsburgh Lighthouse for approximately three days. I am a member of the American Piscatorial Society, which is very much interested in studying the migratory habits of various marine fishes - particularly those of the mackerel and barracuda family. Presently I am in Singapore visiting my parents, but being here, I would like to capture some marine species around the lighthouse, tag them with labels, and release them - hopefully to be captured somewhere else in the world, enabling us to study their migration habits.

If you would kindly grant me a permit to land, I would be able to provide my own transportation to the lighthouse, as well as fishing tackle, food, water, camping equipment, etc. I will stay completely clear of the lighthouse, and not hinder the personnel there in any way.

I will be leaving Singapore on July 2, and would like to be granted permission to stay on the grounds around the lighthouse for ~~July~~^{June} 22, 23, and 24th. *Thursday - Saturday*

References concerning this request can be obtained from Dr. Otto Lang, President of the American Piscatorial Society, 13 Fiske Av., Staten Island, N. Y., U.S.A., and Mr. I. F. Tang, former Chairman of the Singapore Economic Development Board and President, Wah Chang International Corpn., ICB Building, Singapore 11.

Your kind attention to this request would be greatly appreciated.

Yours sincerely,

Dr. Brian Tang

Chairman,

*If you approve of this request he could be accommodated in the 4th instead of camping there as proposed.
Referred, pl. [Signature]*

*OK let
me get
it ready
Only one permit allowed
What you inform them
for me, a car will be
sent to you. My permit Dr. Tang
10/10/72
23-24-25-26*

SINGAPORE
LIGHT DUES BOARD

Tel : ~~7602581-746~~
911917

Fullerton Building,
(1st. Floor)
Singapore.

SLDB.6/68

Date : 21.6.72

Dear Sir,

PERMIT TO LAND AND STAY AT RAFFLES LIGHTHOUSE ~~XXXXXXXXXXXXXXXXXXXX~~ HORSEBURGH LIGHTHOUSE


With reference to your application for a permit to land and stay at ~~Raffles~~ ^{Horseburgh} Lighthouse on 23.6.72 and 24.6.72 together with a party of one, please note that it is hereby granted subject to the following conditions :-

- (1) The granting of this permit shall be subject to the requirements of the President.
- (2) The responsible person of the party shall see that :
 - (a) ~~they will provide their own accommodation;~~
 - (b) no member of the party shall enter the lantern room, lighthouse keeper's or crew's quarters or guest room,
 - (c) no litter is left behind.
- (3) The party shall leave the lighthouse before sunset on 24.6.72.

This permit must be shown to the Lightkeeper on landing.

NOTE: The Singapore Light Dues Board will not be liable for any injuries or accidents whatsoever.

Yours faithfully,


(T.Y. Leong)
~~(D.P. Brown)~~
for Chairman,
Light Dues Board,
Singapore.

To:

Dr. Brian Tang,
104, Jervois Road,
Singapore 10.

~~despatched~~
21.6.72 p.m.

Annex 118

Light Dues (Repeal) Act, 1973 (Republic of Singapore)

No. 9 of 1973

Light Dues (Repeal) Act 1973

ARRANGEMENT OF SECTIONS.

Section.

1. Short title.
2. Interpretation.
3. Vesting of the Board's assets and liabilities in the Authority.
4. Transfer of employees.
5. Minister to make rules in respect of transferred Government employees.
6. Repeal.
7. Transitional provisions.

An Act to transfer the assets, liabilities and employees of the Singapore Light Dues Board to the Port of Singapore Authority; and to repeal the Light Dues Act (Chapter 171 of the Revised Edition). [1st April 1973]

1. This Act may be cited as the Light Dues (Repeal) Act, 1973. Short title.
2. In this Act, unless the context otherwise requires — Interpreta-
tion.

“Authority” means The Port of Singapore Authority established under the Port of Singapore Authority Act; Cap. 173.

“Board” means the Singapore Light Dues Board established under the Light Dues Act; Cap. 171.

“Fund” means the Light Dues Fund established under the Light Dues Act.
3. Upon the date of commencement of this Act — Vesting of
the
Board's
assets and
liabilities in
the
Authority.

(a) the Board and the Fund shall cease to exist;

(b) all monies and other assets standing to the credit of the Fund shall forthwith be paid and transferred to the account of the Authority;

- (c) all the assets, movable and immovable property of every description and all the powers, rights and privileges in connection therewith or appertaining thereto which immediately prior to the date of commencement of this Act were vested in the Board shall forthwith be transferred to and vested in the Authority without further assurance and shall be freed and discharged of any trust or other equitable interest whatsoever;
- (d) all rights, obligations and liabilities of the Board which may have existed immediately prior to the date of commencement of this Act shall be deemed to be the rights, obligations and liabilities of the Authority.

Transfer of employees.

4.—(1) Upon the date of commencement of this Act —

- (a) every person employed by the Board; and
- (b) such persons, as the Minister may think fit, who were employed by the Government immediately prior to the date of commencement of this Act and were engaged in discharging any of the functions vested in the Board,

shall be transferred to the service of the Authority on terms as near as may be to those they had enjoyed immediately prior to the date of commencement of this Act and such terms, which shall be determined by the Authority, shall take into account salaries and conditions of service enjoyed by them when in the employ of the Government or of the Board, as the case may be.

(2) Nothing in this section shall preclude the secondment to the Authority of officers in the employment of the Government on such terms as may be agreed upon by the Government and the Authority.

Minister to make rules in respect of transferred Government employees.

Cap. 55.

5. The Minister shall make rules to provide for the payment to every person mentioned in paragraph (b) of subsection (1) of section 4 of this Act of benefits not less in value than the amount of any pension, gratuity or allowance for which such person or his dependants would have been eligible under the Pensions Act and the regulations made thereunder had he continued to be in the service of the Government. Nothing in such rules shall adversely affect any of the conditions that would have been applicable to such pension, gratuity or allowance under that Act or those regulations.

6. The Light Dues Act is hereby repealed.

Repeal.
Cap. 171.

7.—(1) Any scheme, contract, document, licence, permission or resolution, prepared, made, granted or approved under the Light Dues Act relating to such functions as are transferred to the Authority under this Act, shall, except where otherwise expressly provided in this Act or in any other written law, continue and be deemed to have been prepared, made, granted or approved, as the case may be, under the corresponding provisions of the Port of Singapore Authority Act.

Transitional provisions.

Cap. 173.

(2) Notwithstanding any other provisions of this Act any subsidiary legislation made under the Light Dues Act shall remain in force until it has been revoked or replaced by subsidiary legislation issued or made under the Port of Singapore Authority Act but the Authority may, by order published in the *Gazette*, vary, amend, extend or revoke such subsidiary legislation so remaining in force or any part thereof as it thinks fit.

(3) All deeds, bonds, agreements, instruments and working arrangements, subsisting immediately prior to the date of commencement of this Act, affecting any of the assets and liabilities vested in the Authority under this Act or any employee of the Board or the Government transferred to the service of the Authority, shall have as full force and effect against or in favour of the Authority, and be enforceable as fully and effectually as if, instead of the Board or the Government or any person acting on behalf of the Board or the Government, the Authority had been named therein or had been a party thereto.

(4) Any proceeding or cause of action pending or existing immediately prior to the date of commencement of this Act by or against the Board may be continued and enforced by or against the Authority as it might have been by or against the Board had this Act not come into operation.

(5) In any written law and in any document whatsoever, unless the context otherwise requires, any reference to the Board shall be construed as a reference to the Authority.

Annex 119

**Standing Orders and Instructions to Lighthouse Personnel,
issued by Navigational Aids Section, Port of Singapore
Authority dated 12 Feb 1974**

THE PORT OF SINGAPORE AUTHORITY
Memorandum

NAS/FM 2/68

12 Feb 74

- LIGHTKEEPER - S M RODRIGUES by hand 5.3.74 am
- G S GALKISTAN by hand 23.2.74 am
- HJ SALIM BIN ABUKILLAH by hand 13.2.74 am
- HENRY A NUNES by hand 28.2.74 am
- JUMALI BIN H A RASHID by hand 2.3.74 am
- LEE LAI NAM by hand 8.3.74 pm

STANDING ORDERS AND INSTRUCTIONS
TO LIGHTHOUSE PERSONNEL

- 1 A copy of the Standing Orders and Instructions to Lighthouse Personnel is enclosed for information and compliance by all lighthouse personnel.
- 2 All your crew should be apprised of the above orders/instructions and their signatures obtained to that effect.
- 3 Please acknowledge receipt.

B. S. SRIVATHSAN

B S SRIVATHSAN
CONTROLLER OF NAVIGATIONAL AIDS
NAVIGATIONAL AIDS SECTION

ENC

TO (M) *WMA 18/2/74*

TO (CE) 1 *14/2/74*

TO (CE) 2 *[Signature]*

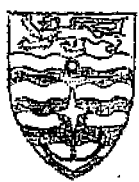
LO1 *14/2*

LO2 *16/2*

LO3 *15/2*

LO4 *14/2*

124340



STANDING ORDERS AND

INSTRUCTIONS TO

LIGHTHOUSE PERSONNEL

NAVIGATIONAL AIDS SECTION
PORT OF SINGAPORE AUTHORITY

124340

STANDING ORDERS AND INSTRUCTIONS TO LIGHTHOUSE PERSONNEL

1 LIGHTHOUSE CREW

A Lighthouse Crew shall normally consist of:

- 1 Lightkeeper,
- 1 Serang and
- 2 Lighthouse Hands.

2 DUTY ROSTER/SHORE LEAVE

The Lighthouse Duty Roster for Keepers and crews shall, in sequence, be:

Horsburgh,
Raffles,
Fullerton,
Sultan Shoal and
Pulau Pisang;
followed by Shore Leave.

3 DUTIES

The Keeper is in sole charge of the Lighthouse and is directly responsible to the Controller of Navigational Aids to see that:

- a The light is in good order and functions in accordance with the prescribed character;
- b The optical equipment, power plant and other associated machinery are maintained in good working order;
- c The buildings, Power House, Store Rooms and their surroundings are kept in a clean and tidy condition;
- d The crew are carefully instructed in their duties and qualified to act in all cases of emergency or otherwise and
- e The crew are well-behaved and disciplined.

4 TIMINGS FOR EXHIBITION OF LIGHT

The light shall be exhibited at full brilliancy from sunset to sunrise daily. The light should therefore be switched on not later than 6.15 pm and switched off not earlier than 6.15 am. However, in case of poor visibility, these timings can be extended suitably by the Lightkeeper according to his discretion.

5 WATCHES

Watch-keeping duties at all lighthouses are as follows:

- 6.00 pm to 11.30 pm - Lightkeeper and one Lighthouse Hand
- 11.30 pm to 3.30 am - Serang
- 3.30 am to 7.00 am - Lighthouse Hand (No. 2)

The Lighthouse Hand who shares watch-keeping duties with the Keeper shall normally do the cooking and act as the dayman who will perform relief duties as directed by the Lightkeeper.

At Fullerton Lighthouse, watches shall be kept individually so that one crew member is on duty during day-time to attend to routine maintenance of the equipment and the VHF Radio Telephone Set, when necessary.

6 RELIEF OF WATCHES

Prior to taking over the watch, the relief coming on duty shall ascertain that the optical equipment, generator and other associated machinery are working satisfactorily. The watch going off duty is not to retire until relief has duly taken over the watch.

7 PERMISSION TO LEAVE LIGHTHOUSE

No member of the crew will leave the lighthouse (or island) without prior permission from the Controller of Navigational Aids.

The following procedure should be followed whenever it is necessary for a member of the crew to leave the lighthouse (or island):

- a Lightkeeper should ask for permission by R/T;
- b Office will inform Lightkeeper by R/T whether permission is granted or otherwise;
- c When permission is granted, the time when the person is intending to leave should be entered in both the Office and Radio Telephone Log Books and
- d The Lightkeeper should inform the Office when the person concerned actually returned to the lighthouse. Should he not have returned within a reasonable period, the Lightkeeper should inform the Office by R/T accordingly.

Non-compliance of this order by any Lightkeeper or Lighthouse Crew will render them liable for disciplinary action.

8 FAMILIES OF LIGHTKEEPERS

Lightkeepers should note that they are not encouraged to bring their families in view of the living conditions at lighthouses but should they bring their families, they will be doing so entirely at their own risk and responsibility. It should, however, be strictly noted that no families are allowed to stay at Horsburgh under any circumstances.

Lightkeepers shall take every care to ensure that the furniture and mattresses are not damaged or misused by any members of the family during their stay at lighthouses.

9 VISITORS

Lightkeepers are instructed to see that no visitors are allowed to land or stay at lighthouses without a valid permit. Shelter may, however, be afforded to persons in distress or requiring assistance and in all such cases, the Lightkeeper should report the circumstances to the Office forthwith.

Any contravention of this order by a Lightkeeper or Lighthouse Crew will render them liable for disciplinary action.

At Raffles Lighthouse, the Visitors' and VIP Guests' Rooms are to be kept locked and not used by ordinary visiting parties, unless permission for their use be given in writing or by R/T from the Navigational Aids Section Office.

10 LAUNCHES ARRIVING AT LIGHTHOUSES

Whenever a PSA launch is sighted approaching a Lighthouse, the Lightkeeper and at least two members of the crew should be on the pier correctly dressed to receive them.

In the case of senior officers of the Navigational Aids Section arriving at a Lighthouse and when the Lightkeeper has been informed by R/T that VIPs are due to arrive, the Lightkeeper and all the crew are to be assembled on the pier correctly dressed to receive them.

Any breach of this order will be viewed seriously and disciplinary action will be taken.

11 FLYING OF ENSIGN

Except at Pulau Pisang Lighthouse, the Singapore Marine Ensign is to be flown from 0800 hrs until sunset every day. Lighthouses will be informed by R/T whenever the Ensign is required to be flown at half-mast.

No Ensign is to be flown at Pulau Pisang Lighthouse.

12 REGISTERS/LOG BOOKS

The following Registers/Log Books shall be maintained at all Lighthouses:

- a Register for HSD oil and lubricating oil;
- b Engine/Alternator Log Book;
- c Radio Telephone Log Book;
- d Stores and Medical Inventory;
- e Diary and
- f Visitors' Book.

Entries in the Registers/Log Books are to be kept up-to-date at all times. The Keeper shall personally see that all Visitors make an appropriate entry in the Visitors' Book. Copies of Log Sheets in respect of the running hours of the engines and the consumption of stores shall be submitted by the Lightkeeper on his return to the mainland from the lighthouse.

13 STORES AND RATIONS

The Lightkeeper is personally responsible for checking and receiving stores and rations. The exchange of rations for other preferential items is strictly prohibited.

The Keeper shall keep a proper record of the stores in accordance with the procedures currently in force. He must also ensure that a good stock of all essential spares for the optical equipment and the engine/alternator sets is always maintained at the lighthouse and shall indent for additional spares as and when necessary to replenish stocks. He should also see that the First Aid Box containing medical and First Aid materials is well-stocked. The checking of medical and consumable stores indented for earlier by the relieved Lightkeeper is the duty of the relieving Lightkeeper.

In the case of used linen for the Guests' Room at Raffles Lighthouse, Lightkeepers are to ensure that all such linen is returned to the Storekeeper for washing. Relevant entries should be made in the Inventory Book.

14 REFRIGERATOR

The following instructions in respect of the use and maintenance of kerosene refrigerators are to be rigidly adhered to by all lighthouse personnel:

- a No pork, or meat derived from pork, is to be stored in the refrigerator;
- b Raw meat and fish must be kept wrapped in polythene containers;
- c No hot liquids or solids are to be placed in the refrigerator. These should be allowed to cool naturally to room temperature before storing;
- d De-frosting must be carried out when one half inch of ice forms on the freezing chamber and should be carried out by extinguishing the flame, leaving the door open and allowing the ice to melt. The interior should then be thoroughly cleaned and dried before re-lighting;
- e The refrigerator must be kept in a clean and hygienic condition at all times. To clean, use warm water and dry off with chamois leather. Soap and other detergents must not be used;
- f Only the pink kerosene supplied for this purpose is to be used. On no account must ordinary kerosene be used;
- g Particular care should be taken to ensure that traces of oil are not left on the tank top. The top of the tank must be kept clean to avoid any risk of fire and
- h The cleaning of the burner unit and flue and the trimming of the burner wick shall be carried out by the Keeper as and when necessary.

15 RADIO TELEPHONE COMMUNICATION

Lightkeepers will communicate on Channel 13 (Hague Plan) with the Navigational Aids Section Office/Fullerton Lighthouse during the first five minutes of every two hours commencing 0800, 1000, 1200 and so on until 2200 hours. They will make their routine reports in the following order:

- a. Horsburgh,
- b. Raffles,
- c. Sultan Shoal and
- d. Pulau Pisang.

It should be noted that the daily routine report at 1000 hours should be made by the Lightkeeper personally.

Should any Lightkeeper have an urgent report to make at any time other than the above routine timings, such calls can be made to the Navigational Aids Section Office between 0830 Hrs and 1700 Hrs and to Fullerton Lighthouse beyond office hours. In case at any time communication cannot be established on Channel 13, urgent messages may be passed by the Lightkeeper to the Mount Faber Signal Station on Channel 12 with a request for onward transmission to the Navigational Aids Section Office.

Radiotelephone communication must be confined to official matters only and under no circumstances are lighthouse crews to communicate with one another except in cases of extreme emergency.

16 D/F RADIOBEACON AT HORSBURGH LIGHTHOUSE

The Transmitting Beacon (Main as well as Standby) at Horsburgh Lighthouse will be maintained by the Telecommunication Authority of Singapore. The operational duties of the Lightkeeper in respect of the above are:

- a. To arrange and maintain a 24-hour watch on the Beacon in service;
- b. To put into operation the Standby Beacon immediately should the Main Beacon break down. At the same time, the failure of the Main Beacon should also be reported immediately to the Controller of Navigational Aids by R/T through Navigational Aids Section Office/Fullerton Lighthouse and
- c. When the Main Beacon has been repaired following a breakdown and restored to normal operation, such resumption should also be reported immediately to the Controller of Navigational Aids by R/T.

17 MAINTENANCE OF LIFE-BOAT AND DAVITS

The Life-boat is to be put into water at least once a week for a few hours and the motor tested for its performance. The boat is to be kept clean and ready for use at all times. Any repairs, if required, should be reported promptly to the office. Davits and lifting gear are also to be maintained in good working condition.

18 FIRE FIGHTING EQUIPMENT

The Lightkeeper is responsible to ensure that all the crew take necessary precautions to prevent any outbreak of fire. He must ensure that the fire-extinguishers and other associated equipment provided at the station are serviced periodically once a year and are maintained in good order so as to be ready for use in any emergency.

19 ROUTINE TEST SCHEDULES

The Lightkeeper is responsible to carry out the following routine tests at the station with the assistance of his crew:

a Weekly

- 1 The character of the optical equipment must be checked with a stop-watch and any variation reported promptly;
- 2 The standby and failure alarms of the Optic Control Cubicle should be checked for correct functioning and
- 3 Change over of the Driving Motor and Supply Transformer shall be effected by means of appropriate switches.

b Fortnightly

The emergency illuminant (gas) should be tested for proper functioning. The test shall be carried out in day time for a duration of 10 minutes.

c Annually

Fire-extinguishers shall be arranged to be sent to the mainland for testing/servicing after receipt of adequate replenishments in lieu.

20 MAINTENANCE PROCEDURESa OPTICAL EQUIPMENTDaily

(Caution: When carrying out maintenance of any part of the optical equipment, the Mains Supply must be kept switched off.)

- 1 Clean the optic glass with soft cloth using Xylol. (Do not use water under any circumstances.) During cleaning, the locking bars should be kept bolted in position so as to prevent the optic from rotating in the wrong direction;
- 2 Check main as well as standby lamps for sound condition and ensure that the main lamp is in the correct focal position each time the optic is put into service;
- 3 Check the automatic lampchanger for correct functioning by way of manual tripping each time before putting the optic into service;

- 4 Check the state of the electrical controls and ensure that the Duty motor overload relay has not tripped and that the selected motor is driving the optic and
- 5 After the last watch is over, isolate the optical equipment from the Mains Supply.

b. LANTERN

Clean the lantern panes twice a week. Use only fresh water for cleaning.

c. ENGINE ROOM

- 1 The Engine Room must be kept spotlessly clean at all times and no oil spill should be allowed. The Room should be kept well-ventilated except in bad weather when the skylights may be closed to keep off rain;
- 2 On all occasions, the starting of the engine/alternator sets and the optical equipment must be done by the Lightkeeper with the assistance of his crew;
- 3 Before starting a diesel engine/alternator, check that:
 - i the lubricating oil in the engine pump is at its correct level; if not, top up as necessary;
 - ii the cooling water system is in order and
 - iii the outlet valve from the daily fuel service tank is fully open.
- 4 The isolating switches at the Main Switchboard should be switched on only after the Lightkeeper is satisfied that the engine/alternator set is working properly. Also ensure that the individual lighting/power point switches are switched off before the switches at the Main Switchboard are isolated;
- 5 In case of mechanical or electrical failure of the set in service, the next duty set shall be started immediately. The failure should also be reported promptly on R/T;
- 6 No engine should be allowed to operate if the lubricating oil pressure is less than 1.055 Kg/sq cm (15 lbs/sq in);
- 7 All new brushes in the alternator should be properly bedded before use and should be free in their holders. Brushes must be replaced when they are worn down to 1.25 cm (½ in) length;
- 8 Water in the cooling water tanks shall be changed once in every 6 months, as a routine. The tanks are to be kept free of deposits. After each periodical cleaning, the fresh water is to be mixed with a solvent as directed and
- 9 Change the lubricating oil after every 250 hours of running, unless otherwise instructed.

d BATTERIES

- 1 Check the specific gravity of the individual cells once a week. (Do not use the same hydrometer to measure the specific gravity of the lead-acid cells and the alkaline battery.);
- 2 Top up the cells with distilled water as and when necessary;
- 3 Ensure that the charging rate is adequate and
- 4 Keep the vent caps closed and the battery top clean and free from dirt. Apply petroleum jelly to the terminals occasionally.

e STEELWORK, STORAGE TANKS AND JETTY

The Lightkeeper should keep a close watch on the exposed steel work such as fender straps, railings, oil/water storage tanks and steel members on the jetty, etc. These shall be touched up/painted as and when necessary and requisite paints indented for.

21 PROCEDURES IN CASE OF EQUIPMENT FAILURES

a Failure of the Main Lamp

Check whether the lampchanger has operated and the alarm is sounded. The standby lamp may be allowed to remain in service till sun-rise. After the optic is put off service, the faulty lamp must be replaced with a sound one immediately and the lampchanger re-set to place the main lamp in the focal position.

b Failure of Lampchanger

Switch both the "Motor Control" and the "Light Control" switches off. Remove both lamps from the lampchanger, un-plug the unit, remove it from the optic and install the spare lampchanger. The failure must be reported as soon as possible.

c Failure of Revolving Motors

Check that the standby motor has taken over the operation and the alarm is sounded. The failure must be reported as soon as possible.

If both motors are out of order, put the "Motor Control" switch off and rotate the optic manually. Report failure immediately.

d Failure of Mains Supply

Switch off the "Light Control" and the "Motor Control" switches. Also isolate the Optic supply and the main alternator supply switches at the main switchboard. Start the standby engine/alternator set and put the optic in service again.

In case of complete loss of Mains Supply, all the main switches must be isolated. Remove the lamps and the lampchanger and use the emergency gas burner and the hand-wind drive.

22 GENERAL

The attention of all Lighthouse Personnel is drawn to Section 269 of the Merchant Shipping Act (Cap 172), which reads as follows:

"S.233: Any person employed in a lighthouse, who wilfully or negligently omits to do any act proper and requisite to be done by him with respect to the lights or signals exhibited in a lighthouse, shall, if such omission is of a nature likely to cause danger to navigation, be liable upon conviction before a District Court to a fine not exceeding one thousand dollars or to imprisonment for a term not exceeding two years."

B. S. Srivathsan.

B S SRIVATHSAN
CONTROLLER OF NAVIGATIONAL AIDS
NAVIGATIONAL AIDS SECTION

Annex 120

Letter from Hydrographic Department, Port of Singapore
Authority to Commanding Officer, K.D. Perantau
dated 26 Mar 1974

(17)

176



HD 1/L/1 Vol 3

26 Mar 74

Commanding Officer
K D Perantau

Dear Sir

3RD JOINT HYDROGRAPHIC SURVEY - RUMENIA CHANNEL

1 It has been brought to our attention that a few officers from your joint survey team would wish to stay at Horsburgh Lighthouse for tidal observations during the period of the survey of Area III.

2 In order to facilitate the necessary approval from the various government ministries concerned, kindly furnish me with a list of your members who will be landing on Horsburgh Lighthouse with the following particulars :-

- (a) Name
- (b) Passport Number
- (c) Nationality
- (d) Duration of stay at Horsburgh

3 Permission has also been given for your survey team members to stay at Horsburgh Lighthouse in the interim period.

4 The above particulars together with a proposed programme of your survey operations may please be forwarded to me as soon as possible.

Yours faithfully

FRANCIS YIP

FRANCIS YIP
for HYDROGRAPHER
HYDROGRAPHIC DEPARTMENT

cc
Controller (Nav. Aids)
Lighthouse Keeper - Horsburgh Lighthouse
FY/n

Handwritten notes:
 26/3
 OK. M. file
 request for permission.
 27/3

Annex 121

Letter from Hydrographic Department, Port of Singapore
Authority to Navigational Aids Section, Port of Singapore
Authority dated 26 Mar 1974



HD 1/L/1 Vol 3

26 Mar 74

Controller (Navigational Aids)

Navigational Aids Section

Attn : Mr. B S Srivathsan

3RD JOINT HYDROGRAPHIC SURVEY - RUMENIA CHANNEL

As discussed between your good self and the Hydrographer yesterday, this is to confirm that a few officers from the joint survey team (comprising members from Indonesia, Japan, Malaysia and Singapore) be allowed to stay at Horsburgh Lighthouse for tidal observations during the period of survey beginning 25th March 74 for a period of 7 - 8 weeks.

FRANCIS YIP

[Handwritten signature]
26/3

FRANCIS YIP
for HYDROGRAPHER
HYDROGRAPHIC DEPARTMENT
PORT OF SINGAPORE AUTHORITY

cc
Lighthouse Keeper - Horsburgh Lighthouse

FY/n

[Handwritten notes]
26/3
OK - PI file
26/3

Annex 122

Letter from Lieutenant Commander Mak S.W., KD Perantau
to Hydrographic Department, Port of Singapore Authority
dated 22 Apr 1974

Commanding Officer
KE Perantau

22nd April 1974

FU/99

Mr. Francis Yip
Hydrographer
Hydrographic Department

Dear Mr Francis Yip

3RD JOINT HYDROGRAPHIC SURVEY - RUMENIA CHANNEL

Ref : HD 1/L/1 Vol 3 dated 26th Mar 74.

1. Thank you for your letter dated 26th Mar 74. The following personnel are staying at Horsburgh Lighthouse to man the Responder of The Audistor and carry out continuous tide readings;

<u>NAME</u>	<u>PASSPORT NO.</u>	<u>NATIONALITY</u>	<u>DURATION OF STAY</u>
a. NIZAR BIN YEOP MOHD KASSIM	045058	MALAYSIAN	TILL 12TH MAY 1974
b. MOHD TAHIR BIN KUMAT	069437	"	"
c. MOHD KADIRI BIN TAHIR	060714	"	"
d. HANZAH BIN MOHD NOR	075704	"	"

2. Other personnel will likely to land at Horsburgh Lighthouse from time to time for the following reasons;

- a. To replenish Tide Camp with food and water.
- b. To provide emergency repair for the Responder.
- c. To carry out Triangulation.

It is possible to lay down specific periods for Paragraph 2a and c however it is unpredictable when emergency repair is required for the Responder. As this is a Joint Survey, we have a participant from P.S.A at all times. It is proposed that list of personnel carrying out on and off landing at Horsburgh Lighthouse be exempted and each landing will be escorted by your representative as the landing will normally be a few hours.

original copy

Yours faithfully

[Signature]
Lieutenant Commander RMN
Commanding Officer

LR/b

18
181a
File HD 1/L/1
A#1 29/4
21/27/4

176

Annex 123

Republic of Singapore Navy Operations Instruction No. 10/75
dated 18 Sep 1975

PLEASE DESTROY ALL THE DOCUMENTS
AT YOUR END AFTER ACTION

This document contains 3/

(9)
(10)
(11)

095-2/1-2-4
10 Sep 75

12 RSM
Pulau Brani
SINGAPORE

Tel 625511 Ext 139

See Distribution
Cien Divider 008
RSM OPS INSTRUCTIONS NO. 10/75
REVISED PATROLLING PROCEDURES

*Called
for instruction
095-2/1-2-4
at 26 Aug 75*

AIM

1. The aim of this instruction is to qualify certain administrative and operational procedures for ships deployed in anti-piracy and routine security patrols. It is to be read in conjunction with the SEMOC Vol I & Vol II and SEMOD.

DESIGNATED PATROL AREAS

2. With effect from 10 Sep 75, there will be five patrol areas and they will be designated as below and bound by the following co-ordinates:

<u>Area</u>	<u>Co-Ordinates</u>
F1 (Sultan Shoal to Raffles Lt)	01° 15.0'N 103° 35.5'E
	01° 15.0'N 103° 30.5'E
	01° 08.0'N 103° 46.5'E
	01° 09.5'N 103° 44.5'E
F2 (Raffles Lt to St John's Isle)	01° 09.0'N 103° 44.5'E
	01° 09.5'N 103° 44.5'E
	01° 13.0'N 103° 52.0'E
	01° 12.5'N 103° 52.4'E
F3 (St John's Isle to Johore Shoal)	01° 13.0'N 103° 52.0'E
	01° 12.5'N 103° 52.4'E
	01° 16.5'N 103° 55.0'E
	01° 17.5'N 104° 05.0'E
	01° 19.0'N 104° 05.0'E
F4 (Johore Shoal to Northburgh Lt)	01° 17.5'N 104° 05.0'E
	01° 19.0'N 104° 05.0'E
	01° 19.0'N 104° 02.7'E
	01° 17.5'N 104° 00.5'E
F5 (Northburgh Lt extending North-Westerly)	01° 19.0'N 104° 05.0'E
	01° 17.5'N 104° 05.0'E
	01° 08.0'N 104° 35.0'E
	01° 33.0'N 104° 32.0'E

DEPLOYMENT

3. The deployment of ships will depend on the availability of operational ships and available deployments.

THIS DOCUMENT MUST
NOT BE REPRODUCED
WITHOUT PERMISSION

2/1-2-4

RELIEVING

4. Unless otherwise instructed, ships will sail for patrol at or before 0600 hours and not later than 0630 hours. On Sunday and public holidays, sailing will not be later than 0615 hours. Ships being relieved will hand over at the assigned patrol area.

ANCHORING

5. Ships on patrol will not anchor. If for valid reasons when it is necessary to anchor, prior approval is to be obtained from Staff Ops Officer.

COMMUNICATIONS

6. Ships at sea which have more than 3 radio operators home are to maintain a continuous listening watch and to radio check with HQ Comcen at hourly intervals.
7. Ships keeping single operator period and double operator period will, during periods on watch, radio check with HQ Comcen every hour.
8. All such radio checks are to be logged. The present 4-hourly SITREP will be discontinued.

TRAINING AT SEA

9.

DELETEDSTANDBY SHIP (SB)

10.

DELETEDOPERATIONAL SHIPS IN HARBOUR (OH)

11.

DELETEDSTAND DOWN SHIPS (SD)

12.

DELETED

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CONFIDENTIAL

AVAIL. WATER AVIATION SPACE AT 0900 HOURS

- 13. Ship above daily status is to reach HQ, RM before 0900 hours. Patrol-ling ships are to sail it with the 0800 hours SITREP.
- 14. Ships are to be fully replenished at the earliest opportunity on returning to harbors.

CONCLUSION

15. The above instructions will take effect upon receipt and they supersede the following:

- a. MC Ops Directive No. 9 dated 16 Sep 72
- b. MC Directive No. 55 dated 6 Dec 73
- c. SOP 0106 dated 17 Jan 74
- d. SOP Memo No. 2/75 dated 17 Jan 75
- e. MC Directive No. 55 (Amend) dated 13 Feb 75
- f. SOP Memo No. 9/75 dated 21 Feb 75
- g. MC Directive No. 8/75 dated 10 Mar 75
- h. Op Instruction No. 1/75 dated 10 Mar 75.

OPR CHONG FON OON, MARLIP
Staff Operations Officer
for Commander

Dist. to:

NOO
RSM

SOIC
JAVOIS
SOP

Copy to:

External

Minister
1 FS
2 FS
Minister (Home Affairs)
Director, General Staff
Head, III
OC Marine Police
MINDEF Ops Room

For information please.

Internal

Chief Staff Officer
Head, Naval General Staff
Head, Naval Command
Head, Naval Administration
Head, Naval Logistics
Head, Naval Training

Despatch DES 01 2169

THIS DOCUMENT MUST NOT BE REPRODUCED WITHOUT PERMISSION

Annex 124

Letter from Head of Operations Department, Ministry of
Defence to the Hydrographic Department, Port of Singapore
Authority dated 6 July 1976

CONFIDENTIAL

2A

REF 2153

REF 1-1/27

Handwritten notes:
21 chief
for info
6th July, 76
HM 8/17

Port of Singapore Authority
Hydrographic Department
P O BOX 853
Singapore
(Attention: Capt WILSON CHUA)



Dear Sir,

RADIO RELAY STATION AT HORSBURGH LIGHTHOUSE

1. The Republic of Singapore Navy (RSN) patrols the outer limits of our territorial waters and carries out frequent exercises with Republic of Singapore Air Force (RSAF) in South China Seas. On several occasions the crafts, both sea and air crafts, encountered communication problems with our communication centres in Singapore. On further investigation, it is established that the problems are technical owing to atmospheric conditions and distance. It is therefore necessary to set-up a relay/rebroadcasting station to breach the distance.

2. The location most suitable for the relay/rebro station is Horsburgh Lighthouse. The relay station requires floor space of 3 ft by 2 ft for two radio sets (VHF and HF) to be set up and power source in the lighthouse. The station will not be manned but periodic maintenance by the radio technicians is required.

3. Obviously it is quite a demand on the limited space in the lighthouse. However may I request your co-operation in this regard in order that communication needs for both security and defence could be met.

4. I therefore seek your approval in principle from your good office so that installation details could be worked out and discussed at a later date.

Signature of Maj Ng Beng Chan

MAJ NG BENG CHAN
for Head Operations Department

Handwritten initials: HS 22/76

Copy to:

Chief of C & S

WSC/t

CONFIDENTIAL

Annex 125

Letter from Hydrographic Department, Port of Singapore
Authority to the Head of Operations Department, Ministry of
Defence dated 8 July 1976



CONFIDENTIAL

PORT OF SINGAPORE AUTHORITY

TELEFAXING ADDRESS:
"TANJONG SINGAPORE"TELEX: RU, 21807
TELEPHONE NO. 78021
EST. 1852P. O. BOX 100, SINGAPORE
REPUBLIC OF SINGAPORE

BY

3

ES/ND 1/1/5
MINDEF 1-1/17

8 Jul 76

Head Operations Department
Ministry of Defence
Tanjong
Singapore 10

Attn Maj Ng Beng Chan

Dear Sir

RADIO RELAY STATION AT HORSBURGH LIGHTHOUSE

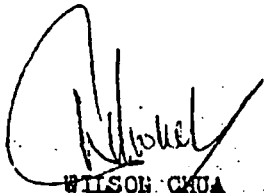
- 1 Your letter MINDEF 1-1/17 of 5 Jul 76 refers.
- 2 Approval-in-principle is granted for the installation of a relay/rebroadcasting station at Horsburgh Lighthouse subject to the following conditions:
 - a The relay system should not interfere with the operation of the Radio Beacon and the light;
 - b PSA shall not be responsible for the operation and maintenance of the relay system nor will it be liable for any damage caused to the equipment;
 - c MINDEF shall be liable for any damage caused to PSA property as a result of the installation/operation of the repeater station;
 - d This department will have to be informed of any personnel proceeding to Horsburgh Lighthouse to repair/maintain the Repeater Station and they do so at their own risk.
- 3 Kindly furnish us with the details of the set and the power source required for its operations.



BEST COPY AVAILABLE

4 Please note that TAS has installed a similar system at the Lighthouse on Custom & Excise Department's behalf.

Yours faithfully



WILSON CHUA
for HYDROGRAPHER
HYDROGRAPHIC DEPARTMENT
PORT OF SINGAPORE AUTHORITY

/np

CONFIDENTIAL

Annex 126

Letter from the Ministry of Defence to the Port of Singapore
Authority dated 14 Aug 1976

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~Copy No 6 of 6 copiesHQ C & E
Templin Comp
SINGAPORE 10

Tel 637744 Ext 2425

15/1/1
16/1/1
1 Aug 76Micrographic Department
Tel of Singapore Authority
P.O. Box 853
(Attention: MR WILSON CHUA)

Dear Sir

COMMUNICATIONS TRIAL AT HORSBURGH LIGHTHOUSE
ON 25 AUG 76

1. Vide our teleconversation on 13 Aug 76, we greatly appreciate your co-operation and approval on the use of the Horsburgh Lighthouse for our comms trial to be held on 25 Aug 76 from 9 a.m. to 5 p.m.
2. Attached please find ANNEX A which is a list of our comms trial personnels who will operate the communication equipment at the Horsburgh Lighthouse.
3. Kindly inform the lightkeeper on our arrival and to assist us with a boat.
4. Thank you.

Yours faithfully,

LTA LCN THIAN BANG
ZIC Ops Sect
for OC GS Br

Copy to:

External:

Telecomms Authority of Singapore,
Telecomms Headquarters 15/33,
Hill Street, SINGAPORE 6.
Hd Ops Dept, GS Div - MISDEF
Hd Naval Ops - HQ RSN

Internal:

By Chief C & E Offr

/fny

~~CONFIDENTIAL~~
~~CONFIDENTIAL~~

~~CONFIDENTIAL~~

ANNEX A TO
16E-2/4-1
DATED 17 AUG 76

PERSONNEL OPERATING ROCK HILL LIGHTHOUSE STATION

<u>S/NO</u>	<u>NRIC NO</u>	<u>RANK</u>	<u>NAME</u>
1.	0075845/J	LTA	LOW TRIAN LANG
2.	0122917/P	SGT	LEONG FONG PATT
3.	1107146/E	CPL	CHUA BAN LEONG
4.	1151474/E	LCP	LEOW TENG HEE
5.	1181006/A	LCP	KONG SOH KEONG
6.	1227985/C	PTE	LEONG KENG YIN

A - 1
~~CONFIDENTIAL~~

Annex 127

Letter from the Ministry of Defence to the Port of Singapore
Authority dated 6 Sep 1976

8

~~CONFIDENTIAL~~

Copy No 5 of 6 copies

160-2/4-1
6 Sep 76

see 168-2/19-2-2
and 28/1/77

C & E
Langlin Camp
SINGAPORE 10

Tel: 037744 Ext 2425

Controller Navigation Section
Hydrographic Department
Port of Singapore Authority
P.O. Box 855
(Attention: MR NILSON CHUA)

Dear Sir,

COMMUNICATION TRIAL AT HORSBURGH LIGHTHOUSE ON 21 SEP 76 TO 22 SEP 76

1. Vide the teleconversation between Mr Ravi and LTA Lov on 31 Aug 76, this Headquarters greatly appreciates your co-operation and assistance given on the use of HORSBURGH LIGHTHOUSE for our third Comms Trial which will be held on 21 Sep 76 from 10 a.m. to 6 a.m. on 22 Sep 76.
2. Attached please find a list of our comms trial personnels who will be operating the communication equipment at HORSBURGH LIGHTHOUSE.
3. Kindly inform the lighthousekeeper on our arrival and also to assist with a boat.

4. Thank you.
Yours faithfully,

LTA LON THIAN SANG
2IC Ops Sect
for OC QS Br

Copy to:

External:

Telecoms Authority of Singapore
Telecoms Headquarters 15/33
Hill Street, SINGAPORE 6

Hd Ops Dept, QS Div - MINDEF
Hd Naval Ops, HQ RSN

Internal:

By Chief C & E Offr

/ap

~~CONFIDENTIAL~~

OIC Ops

By chief

Sir,
It was originated
by Maj Ng.

I can't remember indicating
this trial? Why is this trial
necessary, who order this and
what is its aim?

leg
off

Hta Lov

As I was away when
the trial started, please
speak to Dy Chief &

MLD
29

CONFIDENTIAL

ANNEX A TO
168-2/4-1
DATED 6 SEP 76

1. 0879276/C WOI ADON BIN OSMAN
2. 1E52153/G CPL G MARBH
3. 1151474/Z LCP LEOW TENG HEE
4. 1181606/A PTE KONG POH KHEONG
5. 1156717/G PTE CHONG KUM WAH
6. 0879306/Z WOI VELU
7. 0075845/J LTA LOW THIAN SANG

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Annex 128

Extracts from Minutes of 218th Staff Coordination Meeting
held on 21 Oct 1976

RE-TYPED TRANSCRIPT

Action by

...

ITEM 20- HORSBURGH LIGHTHOUSE REBRO-STATION -
(RESTRICTED)

23. Dy Chief stated that the rebro-station at Horsburgh Dy Chief
Lighthouse would facilitate the comms system of MINDEF
during operation. It was decided to install the rebro-station
permanently and hand it over to the Navy for their charge.

...

10/76

Extraction of items of 28th Nov co-ord mtg held on 2/10/76

CONFIDENTIAL

de

30

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ITEM 17 - MAINTENANCE CONCEPT OF C & E EQUIPMENT - (RESTRICTED)

ACTION

20. A Directive on the maintenance concept of C & E equipment would be prepared by Org & Doct Br. Chairman specified that the seminar on the maintenance concept should include practical demonstration on the uses of the test-equipments.

OC Tech Br

ITEM 18 - USAGE OF LOGISTICS TIEUP LETTER LINK - (RESTRICTED)

21. The usage of the LG Teleprinter Link had increase slightly to 1,240 messages, thus, cutting down the cost further to \$1.12¢ per message.

Dy Chief

ITEM 19 - JOINT COMMUNICATION COMMITTEE - (RESTRICTED)

22. The JCC meeting was postponed to 29 Oct 76. Discussion would centre on co-ordinating the voice procedures of the Land, Air and Sea Force.

Dy Chief

ITEM 20 - HORSBURG LIGHTHOUSE REBRO-STATION - (RESTRICTED)

23. Dy Chief stated that the rebro-station at Horsburg Lighthouse would facilitate the comm system of MILDEF during operation. It was decided to install the rebro-station permanently and hand it over to the Navy for their charge.

Dy Chief

ITEM 21 - REVIEW OF ENGINEER OFFICER ESTABLISHMENT - (RESTRICTED)

24. OC Tech Br reported that DGA wanted a review of the Engineer and Technical Officers in HQ S & E. This would be done accordingly.

OC Tech Br

ITEM 22 - MOBILIZATION EXERCISE BY 5 SIG - (CONFIDENTIAL)

25. HQ C & E would be forming an umpire team consisting of Dy Chief, Hd HP Br, Hd LG Br, OIC Trg Sect and OIC Ops Sect to check on the mobilization exercise conducted by 5 SIG. A meeting will be held on the 3 Nov 76 for discussion.

All to note

ITEM 23 - SIGNAL EQUIPMENT WORKSHOP FOR 3 SIG BR - (RESTRICTED)

26. The signal equipment workshop would be set up after 3 Sig Br had shifted to their new location.

OC Tech Br

ISSUES ARISING FROM THIS MEETING

ITEM 24 - PURCHASE OF M292 - (RESTRICTED)

27. Dy Chief directed Hd LG Br representative to check with USIB whether the M292 are available in the unit. HQ C & E intend to T/loan the equipment for test-trial.

Dy Chief

Hd LG Br

Annex 129

Letter from the Republic of Singapore Navy to the Port of
Singapore Authority dated 24 Nov 1976

RESTRICTED

PRIORITY

Hq Republic of Singapore Navy

Ext 2389

10

24 Nov 76

095-2(A)/7-1

Hydrographic Department
ESD Building
Telok Ayer St
SINGAPORE
(Attention: MR WINSTON CHUA)

SETTING UP OF REAY STATION AT HORSBURGH

1. Further to our telephone conversation on 24 Nov 76, this is to confirm that 4 SAF personnel will be carrying out a recon of the island on 26 Nov 76.
2. The RSH Patrol Craft will be off Horsburgh at 1030 hours. Request the PC to transport the 4 SAF personnel to and from the island. Should this not be possible, please inform Naval Operations (Tel 625511 Ext 138) who will in turn inform the PC.
3. Your kind co-operation is much appreciated.

LTA CHIA BOON BENG
Staff Offr Int/Comm
Naval Ops/Plan Br
for Hd Naval General Staff



603/25/31

Copy to:

By Chief C & E
HQ C & E

SOO, NAFOPS

RESTRICTED

Annex 130

**Minutes of Discussion (held on 7 Nov 1976) on
Communications Installation for Horsburgh Lighthouse
dated 29 Nov 1976**

~~CONFIDENTIAL~~

168-2/4-1

29 Nov 76

HQ C & E
Tanjong Pagar I
SINGAPORE 10

Tel 637744 Ext 2425

110
12

See Distribution

MINUTES OF DISCUSSION ON COMMS INSTALLATION FOR HORSBURGH
LIGHTHOUSE HELD ON 17 NOV 76 IN HQ C & E OPS ROOM AT 1100 HPresent:

LTC LESLIE TERN	- Dy Chief C & E Officer (Chairman)
MAJ NG SENG CHAN	- G3, MINDEF
MR LOY CHEE HIANG	- OC Tech Br
LTA ORIA BONG HENG	- HQ RSN Rep
LTA CHONG WENG KEONG	- JSMB Rep
2LT CHUA ENG CHUN	- LG Br Rep
LTA LOW THIAN SANG	- AG OIC Ops (Secretary)

INTRODUCTION

1. The discussion commenced at 1130 h. Chairman welcomed all present and briefed them on the background for the setting up of a VHF rebro station at the Horsburgh Lighthouse. This would take place sometime in December 76.

ACTION

ALL

ITEM 1 - TRANSPORTATION OF COMMS EQUIPMENT

2. Chairman invited comments. G3 MINDEF stated that there were no problems in his tasking of HQ RSAF however, HQ RSAF must first be made known of this project. RSN rep was asked to assist to ferry all the trial's personnel across.

G3, MINDEF
HQ C & E
HQ RSNAfternote

MAJ NG confirmed with CPT RAJOO of HQ RSAF on the use of helicopter for this project. However the actual date for the comms installation must be made known to them by HQ C & E.

ITEM 2 - RECCS OF HORSBURGH LIGHTHOUSE

3. It was agreed that a recco should be conducted at the Horsburgh Lighthouse, to gather more detailed information for the communications plan required.

4. Chairman agreed and RSN rep was asked to make the necessary clearance with PSA for the recco in a week's time.

HQ RSN

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~~CONFIDENTIAL~~

30
1

ITEM 3 - DESIGN AND CONSTRUCTION OF REBRO SYSTEM

- 5. OC Tech Br agreed to do the design and ESMB to construct the rack and also the wiring of the whole rebro system.
- 6. RSN rep highlighted that some devices must be made to seal off the frequency window. ESMB was told to note this

ACI

OC

ESMB

ITEM 4 - ISSUE OF THE REBRO SYSTEM

- 7. Chairman stated that the whole rebro system once completely installed, will be vouchered from ESMB to HQ RSN.

ESMB
Hd M
HQ R

ITEM 5 - MAINTENANCES OF REBRO STATION

- 8. As for the maintenances of rebro station Chairman suggested that HQ RSN carry out their periodic maintenance, say weekly he must tie up with PSA for their periodical and adhoc communication maintenances/checks. Chairman asked LTA CHIA of RSN to consult OC Tech Br for advice if necessary.
- 9. HQ RSN rep requested a check list on comms eqpt maintenance for the Horsburgh Lighthouse rebro station.
- 10. OC Tech Br replied that no check list is available, however he would assist whenever they request.

See folio

(12)
HQ RSN
OC To

folio (15)

HQ RSN
OC To

CONCLUSION

- 11. Chairman thanked all present and added that a detail co-ord meeting will be called soon to discuss the comms installation project once a final agreement is received from PSA.

All

LTA LOW THIAN SENG
Secretary
for Chairman

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Distribution:

External

- G3, MINDEF (Attention: MAJ NG SENG CHAN)
- HQ RSN (Attention: LTA CHIA BONG BENG)
- ESMB (Attention: LTA CHONG WENG KEONG)

Internal

- Dy Chief C & E Officer
- Hd LG Br
- OC Tech Br

LTS/tko

2
~~CONFIDENTIAL~~

Annex 131

Telex Instructions from HQ Republic of Singapore Air Force
to Changi Air Force Base dated 7 Dec 1976

D 071015GH DEC
FM HQ RSAF
TO RSAF CHANGI
INFO JATCC RSAF
O3 MINDEF

IMMEDIATE
RESTRICTED

BT → HQ C AND E (ATTN: LTA LOW)

*1st deck
1st floor
2nd floor*

(163)

1/12/76

1/12/76

R E S T R I C T E D AS 222
CHANGI FOR BASE OPS AND 120 SQN PD REF AS 210 DTG 011000GH DEC 76 PD
ALOU TASK 399 WINCHING AT HORSBURGH LIGHT FOR HQ C AND E WILL NOW BE
CARRIED OUT ON 09 DEC 76 PD ONLY TWO PAX WILL EMBARK ACFT PD REST
DETAILS REMAIN UNCHANGED PD
BT

(14)

Annex 132

Letter from Headquarters (Communications and Electronics)
of the Ministry of Defence to the Hydrographic Department,
Port of Singapore Authority dated 26 May 1977

RESTRICTED

HQ C & E
 Tanglin Camp
 SINGAPORE 10

168-2/4-1

26 May 77

Tel 637744 Ext 2425

See Distribution

COMMS INSTALLATION PROJECT AT HORSBURGH LIGHTHOUSE
ON 30 MAY 77 FROM 0600 H TO 1700 H

1. The installation of the VHF relay station at Horsburgh Lighthouse will be commenced on 30 May 77.

2. Comms project team will consist of the u/s personnel:

<u>S/NO</u>	<u>RANK</u>	<u>NAME</u>	<u>UNIT</u>	<u>REMARKS</u>
1.	MR	Loy Chee Hiang	HQ C & E	Project OIC
2.	SGC	Leang Fong Patt	HQ C & E	
3.	PO1	Velu	HQ C & E	
4.	LTA	Choo Sun Hwa (and one Technician)	ESMB	
5.	LTA	Chia Boon Beng (and one Technician)	HQ RSN	

3. Detailed timing for the Comms Project

- a. 300700 GK May 77 - Departs Tg Berlayer for P Brani via RSN ferry.
- b. 300730 GH to 300930 GH May 77 - Depart for Horsburgh Lighthouse.
- c. 300930 GH - 301000 GH May 77 - Project team positions at Lighthouse to receive the loads.
- d. 301200 GH May 77 - Commence of Comms installation and conduct of test trial by HQ RSN.
- e. 301500 GH May 77 - Departs Lighthouse for P Brani.
- f. 301700 GH May 77 - Departs P Brani for Tg Berlayer.

4. Packed lunch will be provided by RSN's ship at about 1200 h at Lighthouse.

5. OIC project will be responsible for the communication installation at Lighthouse.

RESTRICTED

RESTRICTED

6. For your necessary action.



LTA LOW THIAN SANG
PIC Ops Sect
for CC CS Br

Distribution:

External:

CSMB (attention: LTA Choo Sun Haa)
RC RSN (attention: LTA Chia Boon Beng)

Internal:

→ Hd Tech
Tech Br (attention: CSO Leong Hong Patt) 2 (2) 25/5/97
Ops Sect (attention: WOT Velu)

Copy to:

CC CS
PIC Ops

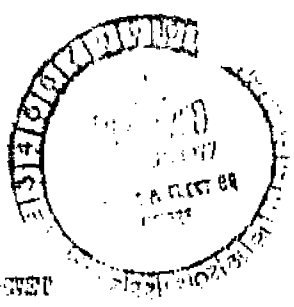
Annex 133

Republic of Singapore Air Force Tasking Instructions
dated 22 Aug 1977

22 AUGUST 77

OC 120 SQN OAB

OC OPS SQN OAB



16

RESTRICTED

1. TASK NO: 294 NO & TYPE OF AIRCRAFT 1 x HELI 212
 DATE OF FLIGHT: 31 AUGUST 77
 TYPE OF FLIGHT: AIR LIFTING-TWO WAYS
 DETAILS OF TASK: (1) AIR LIFTING OF EQUIPMENTS FOR HQ C & E
(2) ROUTE: CHANGI - HORNBURGH LIGHTHOUSE - CHANGI
(3) TIMING: 1100 HRS TO 1230 HRS
(4) PAX: 2
(5) RV: 120 SQN

(6) EQUIPMENT:	EQPT	SIZE (CM)	WT (KG)	QTY	REMARKS
(A)	50 A 30V CHARGER	77x48x35	77	1	TO BE AIR-LIFTED FROM CAB TO LIGHTHOUSE
(B)	GROUND MAINTENANCE FREE HWY	36.5x17.1x 20.5 CM	25	2	
(C)	H.P POWER UNIT	55x53x25	75	1	TO BE AIR-LIFTED FROM LIGHTHOUSE TO CAB
(D)	12V 75 AH ACCUMULATOR	36.5x17.1x 20.5 CM	25	2	

2. SPECIAL INSTRUCTIONS: (1) HELICOPTER TO BE EQUIPPED WITH WINCH
(2) I/A LOW TO ENSURE PAX ARR AT 120 SQN BY 1030 HRS AND TO LIAISE WITH 120 SQN DIRECT ON FURTHER TASK REQUIREMENTS

3. REMARKS: NIL

[Signature]
 LTA G HARRIDASS
 Wing Officer

[Handwritten notes and signatures]
 2-ops 9/10
 24/8/77
 24/8/77

to:
 Chief of Ops Branch, Ops Dept
 CG JATCC

HQ C & E
 (ATTN: LTA LOW THIAN SANG - PSE NOTE PARA ECHO(2))
 CG (ATTN: CPT CHEN WIN)

RESTRICTED

Annex 134

Annex V, Section V of Resolution 375 (X) of the IMCO
Assembly dated 14 Nov 1977

RESOLUTION A.375(X)

*Adopted on 14 November 1977
Agenda item 8(b)*

**NAVIGATION THROUGH THE
STRAITS OF MALACCA AND SINGAPORE**

THE ASSEMBLY,

NOTING Article 16(i) of the Convention on the Inter-Governmental Maritime Consultative Organization concerning the functions of the Assembly,

BEING AWARE of the close relationship between safety of navigation and the prevention of pollution from ships,

BEING INFORMED of the decisions and measures taken by the Governments of Indonesia, Malaysia and Singapore concerning the safety of navigation and the protection of the marine environment in the Straits of Malacca and Singapore, given in the Annexes to this Resolution,

CONSIDERING Resolution A.378(X) by which the Assembly adopted general provisions on ships' routing,

HAVING EXAMINED the Recommendation by the Maritime Safety Committee at its thirty-seventh session,

ADOPTS the new routing system for the Straits of Malacca and Singapore including traffic separation schemes, deep water routes and rules described in Annexes I to V to this Resolution,

ENDORSES the necessity that all oil tankers navigating through the Straits shall be adequately covered by relevant insurance and compensation schemes for oil pollution damage, including clean-up costs,

AGREES that the additional and improved aids to navigation listed in Annex VI to this Resolution will represent an important contribution to the safety of navigation of ships using the new routing system,

INVITES the governments concerned to advise ships to comply with this Resolution from the appropriate date,

REQUESTS the Secretary-General to advise all concerned of the details of this routing system described in the Annexes to this Resolution and to promulgate the date of entry into force as determined by the governments concerned.

ANNEX I

AT ONE FATHOM BANK (new scheme)

(Reference chart: Japanese 622B, edition date: 1 October 1973)

Description of the traffic separation scheme

(a) A separation zone is bounded by a line connecting the following geographical positions:

- | | | |
|-----|--------------|--------------|
| (1) | 03°00'.7 N., | 100°47'.4 E. |
| (2) | 02°53'.7 N., | 100°55'.8 E. |
| (3) | 02°49'.5 N., | 100°59'.5 E. |
| (4) | 02°47'.1 N., | 101°04'.0 E. |
| (5) | 02°46'.7 N., | 101°03'.7 E. |
| (6) | 02°49'.0 N., | 100°59'.5 E. |
| (7) | 02°53'.4 N., | 100°55'.4 E. |
| (8) | 03°00'.3 N., | 100°47'.1 E. |

(b) A traffic lane for north-westbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | | |
|------|--------------|--------------|
| (9) | 03°02'.7 N., | 100°48'.8 E. |
| (10) | 02°52'.5 N., | 101°00'.0 E. |
| (11) | 02°49'.4 N., | 101°05'.4 E. |

(c) A traffic lane for south-eastbound traffic is established between the separation zone and a line connecting the following geographical positions:

- | | | |
|------|--------------|--------------|
| (12) | 02°54'.7 N., | 100°43'.1 E. |
| (13) | 02°44'.4 N., | 101°02'.2 E. |

ANNEX II

IN THE SINGAPORE STRAIT (new scheme)

(Reference charts: Japanese 622A, edition date: 2 July 1973;
 Japanese 750A, edition date: 4 September 1976;
 Japanese 750B, edition date: 4 September 1976)

Description of the traffic separation scheme

- (a) A separation zone is bounded by a line connecting the following geographical positions:
- | | | | |
|-------------------|---------------|--------------------|---------------|
| (1) 01°23'12" N., | 103°12'24" E. | (7) 01°07'30" N., | 103°43'43" E. |
| (2) 01°13'12" N., | 103°23'24" E. | (8) 01°10'21" N., | 103°39'51" E. |
| (3) 01°07'48" N., | 103°31'42" E. | (9) 01°10'21" N., | 103°33'48" E. |
| (4) 01°03'36" N., | 103°38'57" E. | (10) 01°13'48" N., | 103°24'00" E. |
| (5) 01°05'54" N., | 103°43'23" E. | (11) 01°24'12" N., | 103°13'36" E. |
| (6) 01°08'36" N., | 103°45'26" E. | | |
- (b) A separation line connects the following geographical positions:
- | | |
|--------------------|---------------|
| (12) 01°08'36" N., | 103°45'26" E. |
| (13) 01°10'17" N., | 103°48'06" E. |
| (14) 01°11'42" N., | 103°51'31" E. |
| (15) 01°13'21" N., | 103°55'00" E. |
| (16) 01°14'53" N., | 103°59'00" E. |
- (c) A separation zone is bounded by a line connecting the following geographical positions:
- | | |
|--------------------|---------------|
| (17) 01°14'53" N., | 103°59'00" E. |
| (18) 01°15'40" N., | 104°03'24" E. |
| (19) 01°15'25" N., | 104°03'27" E. |
- (d) A traffic lane for westbound traffic is established between the separation zones/line and a line connecting the following geographical positions:
- | | | | |
|--------------------|---------------|--------------------|---------------|
| (20) 01°25'30" N., | 103°15'00" E. | (25) 01°10'27" N., | 103°47'30" E. |
| (21) 01°15'12" N., | 103°25'18" E. | (26) 01°11'57" N., | 103°51'12" E. |
| (22) 01°14'13" N., | 103°30'00" E. | (27) 01°14'00" N., | 103°55'00" E. |
| (23) 01°11'30" N., | 103°40'33" E. | (28) 01°16'01" N., | 104°00'00" E. |
| (24) 01°08'39" N., | 103°44'24" E. | (29) 01°16'36" N., | 104°03'19" E. |
- (e) A traffic lane for eastbound traffic is established between the separation zones/line and a line connecting the following geographical positions:
- | | | | |
|--------------------|---------------|--------------------|---------------|
| (30) 01°22'00" N., | 103°11'06" E. | (35) 01°09'28" N., | 103°48'42" E. |
| (31) 01°11'33" N., | 103°22'48" E. | (36) 01°11'27" N., | 103°52'51" E. |
| (32) 01°01'36" N., | 103°39'39" E. | (37) 01°13'30" N., | 103°57'40" E. |
| (33) 01°05'00" N., | 103°43'40" E. | (38) 01°14'03" N., | 104°03'35" E. |
| (34) 01°07'48" N., | 103°46'15" E. | | |

Note:

Deep water routes forming part of the eastbound traffic lane are established in the Singapore Strait westward of Batu Berhanti.

ANNEX III

AT HORSBURGH LIGHT AREA (new scheme)

(Reference chart: Japanese 749, edition date: 2 June 1973)

Description of the traffic separation scheme

- (a) A separation zone is bounded by a line connecting the following geographical positions:
- (1) 01°17'19" N., 104°15'00" E.
 - (2) 01°18'00" N., 104°19'42" E.
 - (3) 01°24'33" N., 104°27'03" E.
 - (4) 01°24'18" N., 104°27'15" E.
 - (5) 01°17'48" N., 104°19'51" E.
 - (6) 01°17'06" N., 104°15'00" E.
- (b) A traffic lane for south-westbound traffic is established between the separation zone and a line connecting the following geographical positions:
- (7) 01°25'24" N., 104°26'19" E.
 - (8) 01°19'24" N., 104°19'30" E.
 - (9) 01°18'38" N., 104°15'00" E.
- (c) A traffic lane for north-eastbound traffic is established between the separation zone and a line connecting the following geographical positions:
- (10) 01°15'24" N., 104°15'00" E.
 - (11) 01°16'18" N., 104°19'51" E.
 - (12) 01°23'24" N., 104°27'57" E.

ANNEX IV**DEEP WATER ROUTES FORMING PART OF THE EASTBOUND TRAFFIC LANE
OF THE TRAFFIC SEPARATION SCHEME IN THE SINGAPORE STRAIT**

(Reference charts: Japanese 622A, edition date: 2 July 1973;
Japanese 750A, edition date: 4 September 1976;
Japanese 750B, edition date: 4 September 1976)

Description of the deep water routes

(a) The deep water route is established within the eastbound lane described in paragraph (e) of the traffic separation scheme "In the Singapore Strait". The deep water route is bounded by a line connecting the following geographical positions:

- (i) 01°03'36" N., 103°38'57" E.
- (ii) 01°05'54" N., 103°43'23" E.
- (iii) 01°08'36" N., 103°45'26" E.
- (iv) 01°10'17" N., 103°48'06" E.
- (v) 01°09'57" N., 103°48'17" E.
- (vi) 01°08'54" N., 103°46'49" E.
- (vii) 01°04'57" N., 103°42'52" E.
- (viii) 01°02'58" N., 103°39'06" E.

(b) The deep water route is established within the eastbound lane described in paragraph (e) of the traffic separation scheme "In the Singapore Strait". The deep water route is bounded by a line connecting the following geographical positions:

- (ix) 01°10'17" N., 103°48'06" E.
- (x) 01°11'42" N., 103°51'31" E.
- (xi) 01°12'04" N., 103°52'15" E.
- (xii) 01°11'48" N., 103°52'38" E.
- (xiii) 01°09'57" N., 103°48'17" E.

ANNEX VRULES FOR VESSELS NAVIGATING THROUGH
THE STRAITS OF MALACCA AND SINGAPORE

I. DEFINITIONS

For the purpose of these Rules the following definitions should apply:

1. A vessel having a draught of 15 metres or more shall be deemed to be a deep draught vessel.
2. A tanker of 150,000 dwt and above shall be deemed to be a Very Large Crude Carrier (VLCC).

Note:

The above definitions do not prejudice the definition of "vessel constrained by her draught" described in Rule 3(h) of the International Regulations for Preventing Collisions at Sea, 1972.

II. GENERAL PROVISIONS

1. Deep draught vessels and VLCCs shall allow for an Under Keel Clearance (UKC) of at least 3.5 metres at all times during the entire passage through the Straits of Malacca and Singapore and shall also take all necessary safety precautions especially when navigating through the traffic separation schemes.
2. Masters of deep draught vessels and VLCCs shall have particular regard to navigational constraints when planning their passage through the Straits.
3. All deep draught vessels and VLCCs navigating within the traffic separation schemes are recommended to use the pilotage service of the respective countries when they become available.

III. RULES

- Rule 1 – (a) Deep draught vessels shall use the designated Deep Water Route (DWR) between positions 01°09'57" N., 103°48'17" E. and 01°02'58" N., 103°39'06" E. Other vessels should, as far as practicable, avoid the deep water route.
- (b) Deep draught vessels are advised to use the deep water route between Buffalo Rock and Batu Berhanti.
- Rule 2 – Deep draught vessels navigating in the deep water route shall, as far as practicable, avoid overtaking.
- Rule 3 – All vessels navigating within the traffic separation scheme shall proceed in the appropriate traffic lane in the general direction of traffic flow for that lane and maintain as steady a course as possible consistent with safe navigation.
- Rule 4 – In the event of an emergency or breakdown of a vessel in the traffic lane it shall, as far as practicable and safe, leave the lane by pulling out to the starboard side.

- Rule 5 – *Westbound vessels when approaching Raffles Lighthouse in the Strait of Singapore shall proceed with caution, taking note of locally established signals, and give way to deep draught vessels approaching the Single Buoy Mooring facility (in approximate position latitude 1°11'25" N., longitude 103°47'30" E.) from Phillip Channel.*
- Rule 6 – VLCCs and deep draught vessels are advised to navigate at a speed of not more than 12 knots over the ground.
- Rule 7 – All vessels navigating in the traffic separation scheme shall maintain at all times a safe speed consistent with safe navigation, shall proceed with caution, and shall be in a maximum state of manoeuvring readiness.
- Rule 8 – VLCCs and deep draught vessels navigating in the Straits of Malacca and Singapore are advised to participate in the existing voluntary ships' reporting system. Under this system, such vessels broadcast eight hours before entering the Straits/traffic separation schemes, navigational warnings giving names, deadweight tonnage, draught, speed and times of passing One Fathom Bank Lighthouse, Raffles Lighthouse and Horsburgh Lighthouse. Difficult and unwieldy tows also broadcast similar warnings giving the type, length, speed of tows and times of passing the three above-mentioned areas.
- Rule 9 – *All vessels navigating in the Straits of Malacca and Singapore are requested to report by radio to the nearest shore authority any damage or malfunction of the aids to navigation in the Straits, or any aids out of position in the Straits.*
- Rule 10 – Flag States, owners and operators should ensure that their vessels are adequately equipped in accordance with the appropriate international conventions/recommendations.

IV. WARNING

Mariners are warned that local traffic which could be unaware of the internationally agreed regulations and practices of seafarers, may be encountered in or near the traffic separation schemes, and should take any precautions which may be required by the ordinary practice of seamen or by the special circumstances of the case.

ANNEX VI

LIST OF NAVIGATIONAL AIDS TO BE INSTALLED OR IMPROVED

PART I

NAVIGATIONAL AIDS TO BE INSTALLED PRIOR TO THE
ENTRY INTO FORCE OF THE ROUTEING SYSTEM

(a) In the traffic separation scheme "At One Fathom Bank"

1. The installation of a navigational aid fitted with RACON in approximate position 5.5 miles south-west of One Fathom Bank Lighthouse.
2. The establishment and marking of a 23 metre depth navigable channel in the area specified in (1) above; and
3. The installation of a resilient light beacon at the north-west end of One Fathom Bank (03°02'18" N., 100°49'00" E.).

(b) In the traffic separation scheme "In the Singapore Strait"

4. The installation of a resilient light beacon at Batu Berhanti (01°11'45" N., 103°52'36" E.).
5. The installation of a resilient light beacon in position 01°05'48" N., 103°43'48" E.

PART II

OTHER NAVIGATIONAL AIDS TO BE INSTALLED OR IMPROVED


1. Resilient light beacon with radar reflector to be installed.
03°02'18" N., 100°49'00" E.
2. Piled light beacon with radar reflector to be installed.
02°48'15" N., 100°53'30" E.
3. One Fathom Bank to be fitted with Racon.
4. Piled light beacon (Blenheim Shoal 2.4 m) to be installed.
03°04'24" N., 100°56'48" E.
5. Resilient light beacon with radar reflector (18 m patch) to be installed.
02°33'36" N., 101°23'30" E.
6. Light beacon at Tg. Tohor to be improved vis. 10 miles.
7. Light beacon to be installed at Tg. Piai vis. 10 miles.
8. Resilient light beacon to replace existing buoy (north of Pulau Nipa Lt. Bn.).
01°10'04" N., 103°39'56" E.
9. Resilient light beacon with radar reflector to replace existing buoy.
01°03'51" N., 103°39'00" E.
10. Resilient light beacon with radar reflector to be installed.
01°09'39" N., 103°47'06" E.
11. Resilient light beacon to replace existing buoy at Buffalo Rock.
01°09'54" N., 103°48'15" E.
12. Batu Berhanti light beacon to be fitted with Racon.
13. Resilient light beacon in position 01°05'48" N., 103°43'48" E. to be fitted with Racon.

Annex 135

**Reclamation and Shore Protection Works at Horsburgh
Lighthouse:**

- (i) Newspaper Advertisement dated 27 Jan 1978, and
- (ii) Tender Evaluation Report dated 7 Apr 1978

**Newspaper Advertisement
in The Straits Times
27 Jan 1978 (Friday)**



TENDER NOTICE

Separate tenders are invited for:-

- 1 RECLAMATION AND SHORE PROTECTION WORKS AT HORSBURGH LIGHTHOUSE**
Tender Deposit: \$1,500.00
Closing Date: 21 Feb 78
- 2 FABRICATION AND ERECTION OF LIGHTING TOWERS AT CONTAINER PORT**
Tender Deposit: \$500.00
Closing Date: 14 Feb 78
Site Showround: 30 Jan 78 at 10.00 am
Meet at Contracts Department
- 3 ANNUAL CONTRACT FOR THE PROVISION OF TIMBER BUNDLING AND ASSOCIATED SERVICES**
Tender Deposit: \$1,000.00
Closing Date: 7 Feb 78
- 4 ANNUAL CONTRACT FOR THE SUPPLY OF LABOUR FOR VESSEL AND NON-VESSEL WORKS AT OFFSHORE SUPPLY TERMINAL**
Tender Deposit: \$1,000.00
Closing Date: 7 Feb 78
- 5 ANNUAL CONTRACT FOR THE TRANSPORTATION OF TIMBER CARGOES**
Tender Deposit: \$500.00
Closing Date: 7 Feb 78

Tender documents are obtainable from the Purchasing Officer, 2nd Floor (Upper) PSA Towers, Jardine Steps. Tenderers not registered with the Authority are required to pay a separate tender deposit as indicated above to the Chief Cashier, 1st Floor, PSA Towers.

Tender in sealed envelopes are to be deposited at 9th Floor, PSA Towers by 12 noon on the above closing dates.

The Authority does not bind itself to accept the lowest or any tender.

INTERNATIONAL

File Ref: S/15.067
Attached to letter
dated 11/4/78

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APPENDIX II

SA

RECLAMATION
AND
SHORE PROTECTION WORKS
AT
HORSBURGH LIGHTHOUSE

CIVIL & STRUCTURAL ENGINEERING SERVICES DIVISION
PORT OF SINGAPORE AUTHORITY

APRIL 1978

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SECRET**C O N T E N T S**

	<u>Page</u>
1 Introduction	1
2 Tenders for Reclamation and Shore Protection Works	2
3 Evaluation of Tenders	5
4 Findings	7

Appendices I, II and III

Attachments A & B

Prepared by:

Peter Chia
Deputy Director
Civil & Structural Engineering Services Division

Lee Siong Huat
Senior Quantity Surveyor

7th April 1979

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REPORT ON TENDERS FOR RECLAMATION AND SHORE PROTECTION WORKS
AT HORSBURGH LIGHTHOUSE1 . Introduction

Horsburgh Rock is situated to the east of Singapore, about 64.2 kilometres (39.5 miles) from Fullerton Building. The distance of Horsburgh from Johore is 15 kilometres (9 miles) and 14.6 kilometres (8.9 miles) from Pulau Bintan which is the nearest of the Indonesian Islands to the south. A lighthouse operated by the PSA is located on Horsburgh, which is a rock outcrop, the location of which is shown in Attachment A.

The existing lighthouse facility comprises :-

- (i) The lighthouse tower.
- (ii) Living quarters and kitchen.
- (iii) Generator room and electrical supply together with storage tanks for fuel and water.
- (iv) A small jetty in the shallow foreshore area, which can only be used by small boats.

This lighthouse is exposed to two monsoons :-

- (a) The more severe being the North-East Monsoon where the full effects of the open stretch of the South China Sea are experienced during the months between November to March each year.
- (b) Lesser effects from the South-West Monsoon, occurring between May to September annually, as the monsoon influence is reduced by the presence of Indonesian Islands to the south and south-west.

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2 Tenders for Reclamation and Shore Protection Works

In January 1978, Government directed that PSA examine the possibility of reclaiming the areas around Horsburgh Lighthouse.

In examining the possibility of reclamation, PSA carried out a detailed hydrographic survey of the foreshore areas. The survey revealed that there is only limited shallow foreshore area available for reclamation. From this data, the reclamation profile had been worked out as shown in Attachment B. It would be possible to reclaim some 5110 sq metres to 5575 sq metres (55,000 - 60,000 sq ft) of land area around the lighthouse and in the process incorporate a cove which would be recessed inside the reclamation profile. This cove can provide the necessary shelter for small craft during rough weather. Recessing the cove within the reclamation profile would enable the shore protection works (which serves to retain the reclamation material) to act as the breakwater arm in ensuring a more tranquil condition within the cove.

The depth of water available within the cove, at low water, will be about 2 ft thus enabling only small craft to use the cove.

The ground conditions at the foreshore areas is known to be of hard material thus making the construction of jetties both costly and difficult and such jetties will still be exposed to the effects of both the North-East and South-West Monsoons.

The area around the existing jetty will be filled over in the process of the reclamation works and this jetty will have to be demolished. The proposed cove will take over the functions of the existing jetty in catering for small craft.

In view of the very exposed location of Horsburgh which is subject to the full effects of the monsoons (especially the North-East Monsoons) which originate in the South China Sea to the north-east, it would be necessary to provide substantial shore protection works to withstand the monsoon fury and to retain the reclamation fill. The shape of the reclamation has been planned taking into account the seabed levels and the entrance of the cove so positioned as to be away from the direct exposure of the monsoons.

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In the tender exercise for the reclamation and shore protection works, tenderers were requested to quote either on the basis of large concrete blocks, or large granite blocks (both to specified minimum sizes) for constructing the surrounding shore protection wall. This arrangement would enable the examination of the alternative costs involved. The tenderers were also permitted to submit their own alternative designs should they consider that their design can result in savings on the project cost.

Tenders were invited on 27th January 1978. Bearing in mind that the more severe North-East Monsoon occurs annually from November to March, it was envisaged that tenderers can only expect 7 months of working time this year if work commenced in April 1978. Tenderers were requested to base their price on the guideline period of 7 months, or such other period if this can result in a lower project cost.

Several provisional and prime cost items (provisional allocation costs given in Appendix III) have been included in this Contract namely (a) water desalinating facility; (b) turfing; (c) footpath, hoist etc; (d) Workmen's Compensation Insurance; (e) contingency sum.

Regarding item (a), the only source of water available at present is from intermittent rainfall which is subject to the vagaries of weather conditions. Horsburgh is too far situated to be supplied economically by waterboats which, in addition, would be severely hampered by rough sea conditions. Incorporating a water desalinating facility, envisaged to utilize the reverse osmosis method, would enable Horsburgh to possess a more reliable source of water supply. Item 2(b) is a provision for some greenery if the reclamation is proceeded with. The provision of a footpath, under Item 2(c), is for access between the cove and the lighthouse. The installation of a small hoist would facilitate the handling of various items from the small boats within the cove onto land and vice-versa.

Items (d) and (e) are to cater for Workmen's Compensation Insurance needed by the Contractor in executing the works, and the contingency sum (of about 10%) is provided to cater for unforeseeing conditions in project works.

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Items (a) to (c) above may be carried out by separate contract of which the main contractor (which executes the reclamation and shore protection works) will provide available facilities and co-ordination, for which the facilitation and co-ordination fee has already been included in Appendix III.

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3 Evaluation of Tenders **SECRET**

At the close of tenders on 14 Mar 78, 3 bids were received, as follows:-

	<u>Alternative I</u>	<u>Alternative II</u>	
	<u>Shore Protection Works of granite Blocks</u>	<u>Shore Protection Works of concrete Blocks</u>	<u>Completion Period</u>
a) M/s Swee Construction	\$ 8,355,550.50	\$ -	7 months
b) M/s Loh International	\$ 9,870,127.00	\$13,716,127.00	20 months
c) M/s Wang Coo-Kien	\$15,787,256.50 (\$16,287,256.50)	- -	18 months 7 months

The breakdown of the tenders is given in Appendix I.

The lowest tender is submitted by M/s Swee Construction which quoted \$8,355,550.50 for granite blocks for shore protection works and a completion period of 7 months.

The second lowest tenderer - M/s Loh International - quoted \$9,870,127 for using granite blocks for shore protection works, and \$13,716,127 for using concrete blocks as the shore protection works. In examining M/s Loh International's tender, it was noticed that the firm made an error in the addition of the sub-total costs of the various component items. The cost for the Alternative I (using granite block as shore protection material) should be reduced to \$9,155,827 instead of \$9,870,127. For both alternatives, M/s Loh International require a completion period of 20 months.

The highest tender was submitted by M/s Wang Coo-Kien is \$15.78 million for Alternative I (completion period 18 months) and an extra \$500,000 is needed, if the completion period is reduced to 7 months.

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Discussions with the lowest-priced tenderers

It was necessary to clarify with M/s Loh International in view of their addition error and to examine whether there can be savings in the project cost. Discussions were also held with M/s Swee Construction to examine whether there could be reduction in their submitted price, which is the lowest received from the various tenderers.

M/s Loh International

M/s Loh International confirmed that they had made an error in addition and that their tender price for Alternative I (granite material for the shore protection works) should be \$9,156,627.00 and not \$9,870,127.00. They have further studied the proposed method of working and subsequently advised that they would not be able to offer any further reduction in their submitted prices for the two alternatives.

M/s Swee Construction

M/s Swee Construction carried out further studies on the proposed method of working to examine whether there can be a reduction on their submitted price. After study, the firm advised on 30 Mar 78 they are able to offer a total reduction of \$304,038.00, thus reducing their submitted price to \$9,051,512.59. The completion period still remains at 7 months.

The breakdown of the revised tender prices is given in Appendix II.

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4 Findings

The lowest tenderer for this project is M/s Swee Construction with a revised tender price of \$8,051,512.59 and a completion period of 7 months. The validity period for tenders expire on 12th June 1978.

This firm is conversant with marine works and had successfully completed various reclamation and shore protection works projects in recent years.

M/s Swee Construction had stated that, should they be awarded the Contract, they will require that work be awarded in April 1978 in order to enable completion in November 1978, before the onset of the North-East Monsoon.

The abovementioned cost does not include the agency fee of 5%, required to be payable to the Port of Singapore Authority, in the event that the Authority is appointed as Agent for the Government for the execution of this project.

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RECLAMATION & SHORE PROTECTION WORKS AT HORSBURGH LIGHTHOUSE

SUMMARY OF TENDERS

TENDER ALTERNATIVE I

(GRANITE BLOCKS FOR SHORE PROTECTION WORKS)

Item	Description	Swee Construction	Loh International	Wang Coo-Kien & Co Pte Ltd	
1	Preliminaries	\$ 276,500.00	\$ 500,000.00	\$ 210,000.00	} Total of \$16,287,256.50 (as in column 4) less \$500,000.00 for 18 months' completion period.
2	Shore Protection Works (Rock Bund)	\$5,425,950.00	\$5,217,000.00	\$12,560,300.00	
3	Construction of Cove (Landing facility)	\$ 897,460.00	\$1,332,127.00	\$ 1,707,946.50	
4	Reclamation Works	\$ 534,940.00	\$ 713,500.00	\$ 433,760.00	
5	Provisional and prime cost items	\$1,125,700.00	\$1,194,000.00	\$1,124,000.00	
6	Contractor's All Risks Insurance Policy including Public Liability Insurance	\$ 95,000.00	\$ 200,000.00	\$ 251,250.00	
	Total Tendered Amount	\$8,355,550.50	\$9,870,127.00	\$16,287,256.50	\$15,787,256.50
7	Completion Period	7 months	20 months	7 months	18 months

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APPENDIX I (Cont'd)

RECLAMATION & SHORE PROTECTION WORKS AT HORSBURGH LIGHTHOUSESUMMARY OF TENDERSTENDER ALTERNATIVE II(CONCRETE BLOCKS FOR SHORE PROTECTION WORKS)

Item	Description	Swee Construction	Leh International	Wang Coo-Kien & Co Pte Ltd
1	Preliminaries		\$ 500,000.00	
2	Shore Protection Works (Concrete)		\$ 9,063,000.00	
3	Construction of Cove (Landing facility)		\$ 1,332,127.00	
4	Reclamation Works		\$ 713,500.00	
5	Provisional and prime cost items	No Submission	\$ 1,194,000.00	No Submission
6	Contractor's All Risks Insurance Policy including Public Liability Insurance		\$ 200,000.00	
	Total Tendered Amount		\$13,002,627.00	
7	Completion Period		20 months	

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APPENDIX I.

RECLAMATION & SHORE PROTECTION WORKS AT HORSBURGH LIGHTHOUSE

REVISED SUMMARY OF TENDERS

TENDER ALTERNATIVE I

(GRANITE BLOCKS FOR SHORE PROTECTION WORKS)

Item	Description	Swee Construction	Loh International	Wang Coo-Kien & Co Pte Ltd	
1	Preliminaries	\$ 276,500.00	\$ 500,000.00	\$ 210,000.00	} Total of \$16,287,256.50 less \$500,000.00 for 18 months' completion period.
2	Shore Protection Works (Rock Bund)	\$5,208,912.00	\$5,217,000.00	\$12,560,300.00	
3	Construction of Cove (Landing facility)	\$ 897,460.59	\$1,332,127.00	\$ 1,707,946.50	
4	Reclamation Works	\$ 447,940.00	\$ 713,500.00	\$ 433,760.00	
5	Provisional and prime cost items	\$1,125,700.00	\$1,194,000.00	\$ 1,124,000.00	
6	Contractor's All Risks Insurance Policy including Public Liability Insurance	\$ 95,000.00	\$ 200,000.00	\$ 251,250.00	
	Total Tendered Amount	\$8,051,512.59	\$9,156,627.00	\$16,287,256.50	\$15,787,256.50
7	Completion Period	7 months	20 months	7 months	18 months

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APPENDIX III

RECLAMATION AND SHORE PROTECTION WORKS AT HORSBURGH LIGHTHOUSE

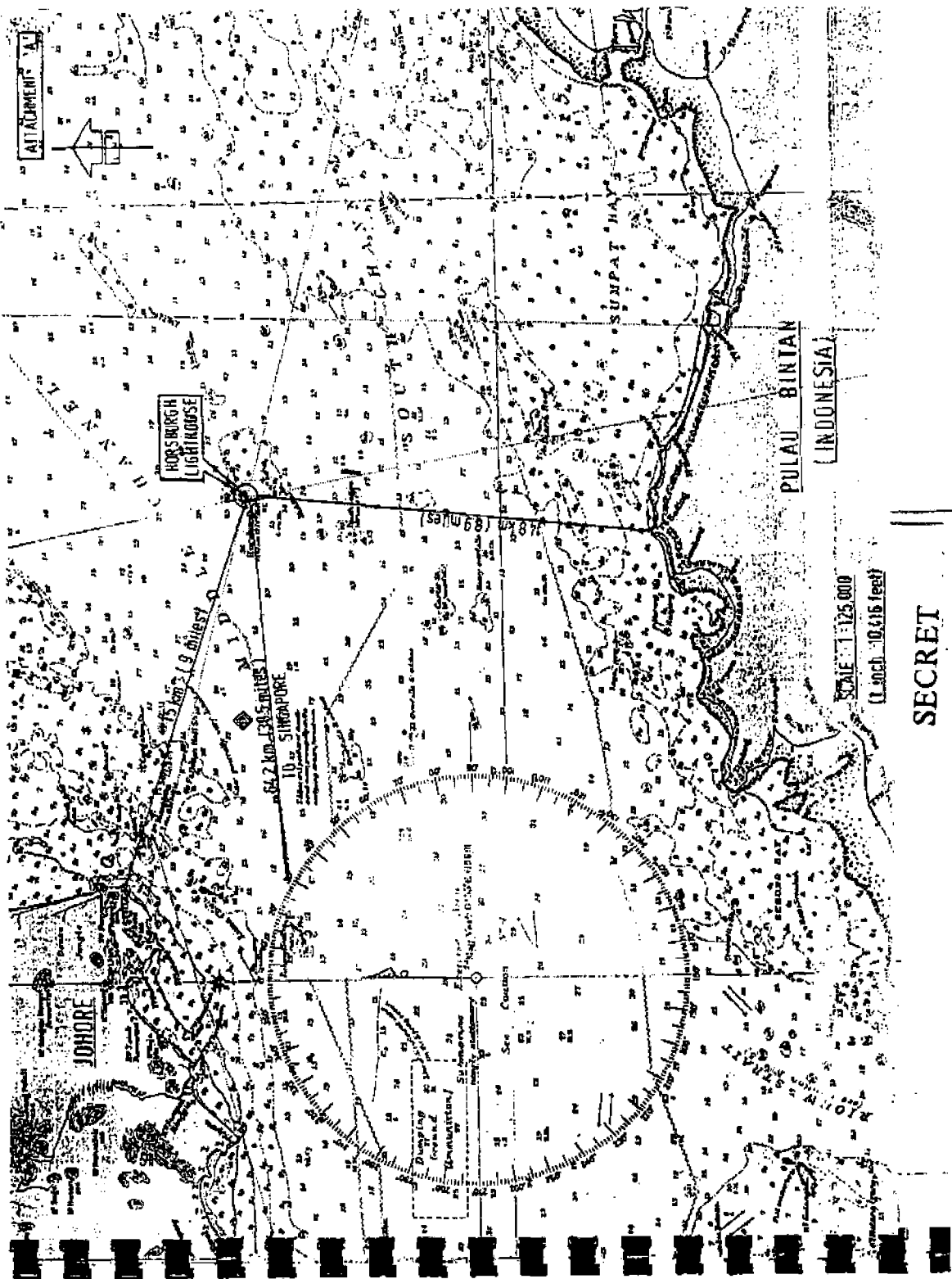
Provisional & Prime Cost Items

	<u>Swee Construction</u>	<u>Loh & Loh International</u>	<u>Wang Goo-Kien & Co Pte Ltd</u>
Desalinating Facility	\$ 276,250.00*	\$ 325,000.00*	\$ 275,000.00
Turfing	\$ 44,200.00*	\$ 54,000.00*	\$ 44,000.00
Footpath, hoist etc	\$ 55,250.00*	\$ 65,000.00*	\$ 55,000.00
Workmen's Compensation Insurance	\$ 50,000.00	\$ 50,000.00	\$ 50,000.00
Contingency Sum	\$ 700,000.00	\$ 700,000.00	\$ 700,000.00
	<hr/>	<hr/>	<hr/>
	\$1,125,700.00	\$1,194,000.00	\$1,124,000.00

* Includes facilitation & co-ordination fee

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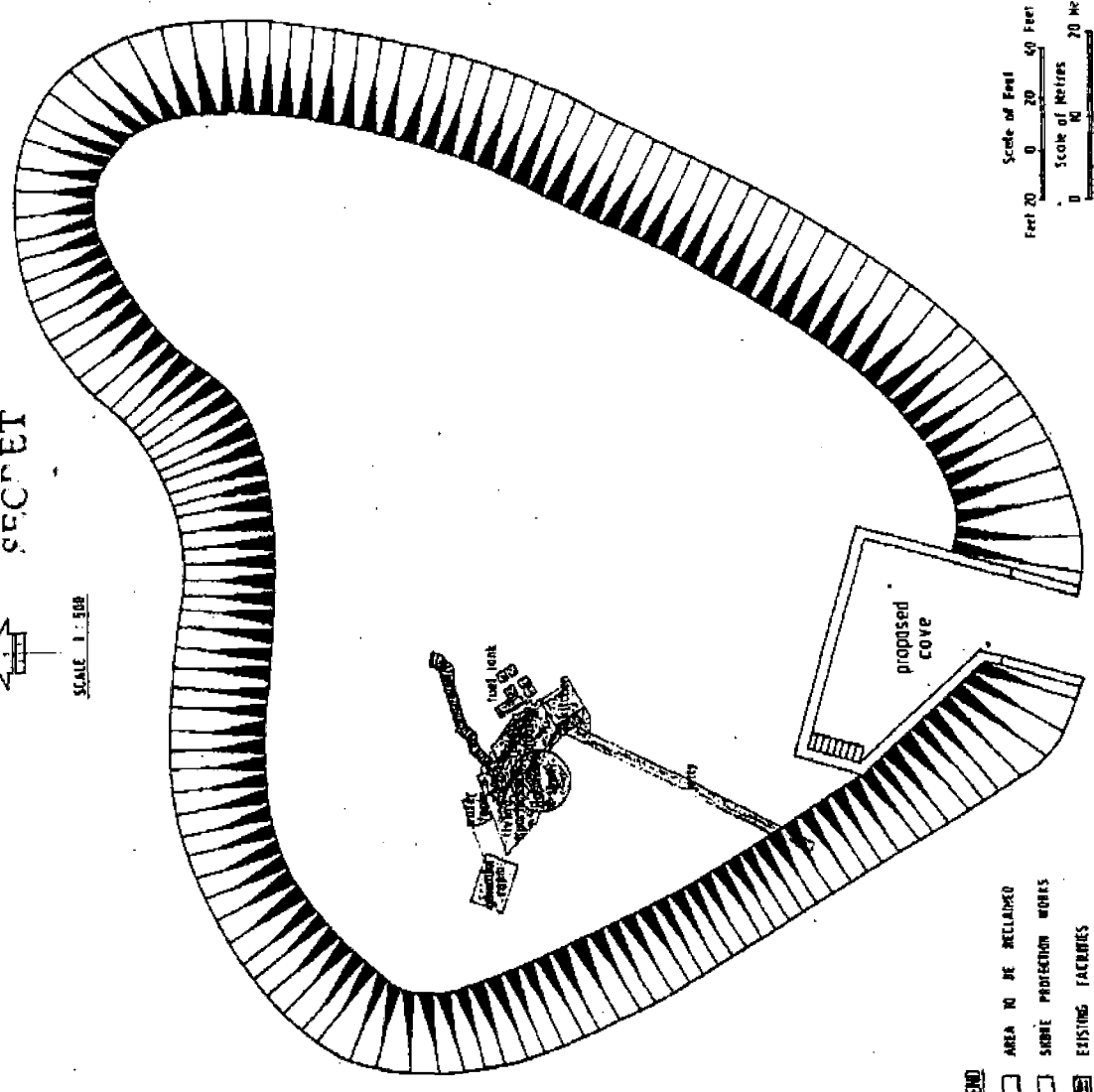
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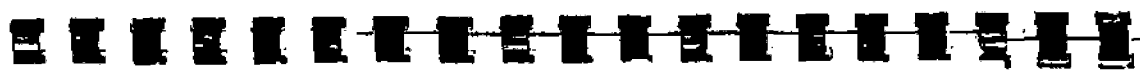
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SCALE 1:500



- LEGEND
- AREA TO BE RECLAIMED
 - SCORE PROTECTION WORKS
 - EXISTING FACILITIES

PROPOSED RECLAMATION AT HORSBURGH LIGHTHOUSE



Annex 136

Memorandum from Hydrographic Department to Secretary
(Admin) dated 4 May 1978

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11

PORT OF SINGAPORE AUTHORITY
MEMORANDUMES/HD ^{7/1/4(S)}
~~1/N/5(S)~~

4 May 78

Secretary (Admin)

Attn: Mr Ng Chee Keong


LANDING AT HORSBURGH

Our Lightkeeper, Mr Lee Lai Nam, repeated that two gentlemen who claimed to be from Survey Department, West Malaysia, landed at Horsburgh Lighthouse in mid April 1978. Their purpose was to carry out triangulation observations.

2 Mr Lee Lai Nam politely informed them that he could not allow them to remain at the lighthouse unless prior permission had been obtained from this office. The two gentlemen then left by the tug boat 'Tunda'.

3 The action of Mr Lee was strictly in accordance with the standing orders issued to lighthouse personnel.

4 For your information, please.

Wilson Chua WILSON CHUA
for HYDROGRAPHER
HYDROGRAPHIC DEPARTMENTcc
Port Master

Annex 137

Malaysia Note EC 219/78 dated 9 May 1978

L.C 219/78

The High Commission for Malaysia presents its compliments to the Ministry of Foreign Affairs and has the honour to refer to the telephone conversation between Mr. Freddie Oh, of the Ministry and Mr. Sathiah, the Deputy High Commissioner regarding clearance for the Malaysian Government vessel MV "Pedoman" to enter Singapore territorial waters and conduct an inspection of Tide Gauges from May 9th - June 2nd, 1978. Consistent with the memorandum of understanding between Malaysia, Indonesia and Singapore on joint studies in the Straits of Malacca and Singapore.

The High Commission has the honour to inform the Ministry that MV "Pedoman's" movements will be as follows:-

- 9th. May 78 - MV Pedoman (Malaysia) arrives in Singapore
- * || 12th. May 78 - Inspection at (17) Foreburg Mt. House Station
- 13th. May 78 - Inspection at (16) to Ayer
- 14th. May 78 - Inspection at (15) Angler Bank Station
- 15th. May 78 - Inspection at (16) Batu Lapan Station
- 16th. May 78 - Inspection at (14) Raffles (13) Sultan Abdul Lt. House Station.
- 19th. May 78 - Inspection at (5) Seyala Eyernih Station
- 20th. May 78 - Inspection at (6) Iya Kecil Station
- 21st. May 78 - Inspection at (3) Tg. Farit Station
- 22nd. May 78 - Inspection at (2) Tg. Redang Station

....2/-

- 2 -

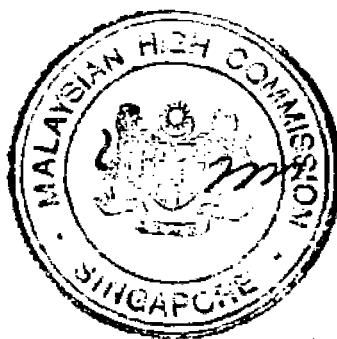
23rd. May 78 - Inspection at (1) Tg. Senebul Station
31st. May 78 - Inspection at (12) Pulau Pisang Station.
2 nd. June 78 - MV Pedosan leaves Singapore.

The High Commission would be grateful for the Ministry's assistance in securing clearance for MV 'Pedosan' to enter Singapore's territorial waters for the above-mentioned purpose. The short notice given in requesting clearance is regretted.

The Office of the High Commissioner for Malaysia avails itself of this opportunity to renew to the Ministry of Foreign Affairs the assurances of its highest consideration.

Singapore,

9th. May, 1978.



Annex 138

Singapore Note MFA 115/78 dated 12 May 1978

(ratyped)

MFA C 072:711/9/2(197)

MFA 115/78

The Ministry of Foreign Affairs presents its compliments to the Office of the High Commissioner for Malaysia and has the honour to refer to the latter's Note No. EC 219/78 dated 9 May 1978.

The Ministry is pleased to accede to the High Commission's request for the Malaysian vessel MV Pedoman to enter Singapore territorial waters at the various points mentioned in the High Commissioner's note for the purpose of conducting an inspection of Tide Gauges from May 9 to June 2, 1978, consonant with the Memorandum of Understanding between Malaysia, Indonesia and Singapore on Joint Studies in the Straits of Malacca and Singapore.

The Ministry of Foreign Affairs avails itself of this opportunity to renew to the Office of the High Commissioner for Malaysia the assurances of its highest consideration.

Singapore

12 May 1978

Office of the High Commissioner for Malaysia
Singapore

MFA O 072:711/9/2(197)

MIA 115/70

The Ministry of Foreign Affairs presents its compliments to the Office of the High Commissioner for Malaysia and has the honour to refer to the latter's note LC 213/70 dated 9 May 1970.

The Ministry is pleased to accede to the High Commissioner's request for the Malaysian vessel MV Pedoman to enter Singapore territorial waters at the various points mentioned in the High Commissioner's note for the purpose of conducting an inspection of tide gauges from May 9 to June 2, 1970, consonant with the Memorandum of Understanding between Malaya, Indonesia and Singapore on Joint Studies in the Straits of Malacca and Singapore.

The Ministry of Foreign Affairs avails itself of this opportunity to refer to the Office of the High Commissioner for Malaysia the assurances of its highest consideration.



Singapore

12 May 1970

Annex 139

Letter from Goh C.K. (Director of Marine, Port of Singapore Authority) to Captain Thomas P.J. (Principal Marine Surveyor, Port of Singapore Authority) and Captain Chua W. (Deputy Hydrographer, Port of Singapore Authority) dated 4 Dec 1979

Marine CA 60

4 Dec 79


Captain P J Thomas
Principal Marine Surveyor

Captain Wilson Chua
Deputy Hydrographer, PSA

GROUNDING OF PANAMANIAN REGISTERED
CARGO VESSEL "YU SEUNG HO" AT HORSBURGH

Please be informed that the Minister for Communications has appointed you under Section 389 of the Merchant Shipping Act to investigate into the above grounding.

2 Kindly submit your report as soon as possible.


GOH CHOO KENG
DIRECTOR OF MARINE

cc
PS (Communications)
Attn Mrs Tan-Tay Gek Eng

- Your memo ref MIN COM M 271/3-003
(149) dated 3 Dec 79 refers. (filed in
Marine/sec 0105/2)

Al 4/12

Annex 140

Telex from Singapore High Commission (Kuala Lumpur) to
the Singapore Ministry of Foreign Affairs dated 21 Dec 1979

70

CABLE

Distribution No. _____ of _____ copies

10

Minister	DEGREE OF PRIORITY		CLASSIFICATION TOP SECRET
Parm. Sec.	MOST IMMEDIATE		
Action File <input checked="" type="checkbox"/> 1072: 711/23/2			
Master File			
Telegram No.	Date and Time		Date of Despatch
518 (Telex)	Received 21.12.79 1530 hrs	Decoded 21.12.79 1615 hrs	21.12.79
From	To		
Mission <u>SINGAWAKIL KUALA LUMPUR</u>	Recipient <u>MINISTER AND PS. (1)</u>		
Sender <u>H C</u>	Designation _____		
Designation _____			

DEPUTY SEC GEN HAMID PAWANCHEE CALLED ME TO WISMA PUTRA 1130 HOURS TODAY AND INFORMED ME HE ASKED BY MALAYSIAN GOVERNMENT TO INFORM ME GOVERNMENT IS GAZETTING A NEW MAP OF ITS CONTINENTAL SHELF TODAY (.) BEFORE DOING SO MALAYSIAN GOVERNMENT WOULD LIKE TO INFORM FRIENDLY NEIGHBOURING GOVERNMENTS IN ADVANCE (.) HEADING OUT FROM PREPARED TEXT PAWANCHEE SAID IF THERE WERE ANY POINTS IN THE NEW MAP WHICH NEEDED CLARIFICATION DISCUSSIONS COULD BE HELD IN SPIRIT OF NEIGHBOURLINESS FRIENDSHIP AND GOODWILL (.)

AFTER READING THE STATEMENT I WAITED FOR HIM TO CLARIFY ALTHOUGH I KNEW THE NEW SO-CALLED CONTINENTAL SHELF WOULD INCLUDE HORSBURG LIGHTHOUSE (.) HE BEAT ABOUT THE BUSH BY SAYING THAT MAP WAS DRAWN ON BASIS OF GENEVA CONVENTION 1958 OF WHICH SINGAPORE IS A SIGNATORY, THE JOHORE-SINGAPORE MARITIME AGREEMENT 1927 AND ON VARIOUS AGREEMENTS ENTERED INTO WITH THAILAND AND SINGAPORE (.) SAID THE NEW SHELF DOES NOT POSE ANY PROBLEM WITH THAILAND AND INDONESIA (.) HE THEN ONLY SAID THE NEW SHELF COVERS PULAU BATU PUTEH WHICH IS HORSBURG LIGHTHOUSE (.) I ASKED HIM WHETHER THIS NEW BOUNDARY WAS BASED ONLY ON THE GENEVA CONVENTION AND THE 1927 JOHORE SINGAPORE MARITIME AGREEMENT (.) HE REPEATED THE INCLUSION OF AGREEMENTS ENTERED INTO WITH NEIGHBOURS LIKE THAILAND AND INDONESIA (.) I DID NOT ASK HIM WHY PULAU BATU PUTEH WAS INCLUDED WITHOUT CONSULTING SINGAPORE (.) INFORMATIVELY NEW STRAITS TIMES FRONT PAGE THIS MORNING HAD A REPORT ABOUT THE NEW MAP (.) LAND AND REGIONAL DEVELOPMENT MINISTER TAN SRI KADIR WAS SCHEDULED TO HOLD A PRESS CONFERENCE TODAY BUT PAWANCHEE AT MY QUESTION SAID

.... /2

CABLE

Distribution No. _____ of _____ copies

FA 10

Minister	DEGREE OF PRIORITY		CLASSIFICATION
Perm. Sec.			
Action File			
Master File			
Telegram No.	Date and Time		Date of Despatch
518 (Telex)	Received 21.12.79 1530 hrs	Decoded 21.12.79 1615 hrs	21.12.79
From	To		
Mission: SINGAWAKIL KUALA LUMPUR	Recipient: MINISTER AND PS (1)		
Sender: H C	Designation: _____		
Designation: _____			

- 2 -

THE PRESS CONFERENCE WAS CANCELLED (.) I SUSPECT MALAYSIAN GOVERNMENT WANTS TO AVOID KADIR ANSWERING QUESTIONS AT PRESS CONFERENCE OFF THE CUFF (.) HIS WIFE EARLIER TODAY TOLD ME KADIR WAS HOLDING A NEWS CONFERENCE (.)

I THINK MALAYSIAN GOVERNMENT REALISES THIS MAP AND THE FOLLOW-UPS ARE GOING TO BE SEIZED BY ELEMENTS TO SOUR UP RELATIONS BETWEEN SINGAPORE AND MALAYSIA (.) HENCE THE CANCELLATION OF THE NEWS CONFERENCE (.)

I TOLD PAWANCHEE I WOULD INFORM THE SINGAPORE GOVERNMENT ACCORDINGLY (.)

IF THE NEWS CONFERENCE BY KADIR HAD GONE AHEAD WE WOULD HAVE BEEN INFORMED BY WISMA PUTRA ALMOST AT THE SAME TIME (.) THAT WAS THE EXTENT OF INFORMING US IN ADVANCE (.)

Action: 1 PB

Info: DD/SRA

Annex 141

Letter from Singapore's High Commissioner (Kuala Lumpur)
to the Singapore Ministry of Foreign Affairs
dated 24 Dec 1979

KL S 072:612/11

24 Dec 79

PS (Foreign Affairs)
Attn: Mr Lin Chung Ying

RE: MALAYSIA'S NEW CONTINENTAL SHELF

Further to the telex messages I have sent on the actions of the Malaysian Government on the above subject I give below my further views:

2 The Malaysian Government is trodding with care on this subject. I am sure it realises that once this subject is blown up in the news media the government will be pushed by political considerations to take a tough stand, thereby straining relations with Singapore.

3 Wisma Putra telephoned my PA four days before to fix an appointment (11.45 am on Friday, 22 December) for me to call on Deputy Secretary General, Hamid Pawanchee. His PA indicated she hoped I would not change the time for the appointment. When my PA asked what the subject would be the PA said she did not know, but it was 'bilateral'. It later turned out that the timing was to coincide with a press conference scheduled to be held by Minister of Land and Regional Development, Tan Sri Kadir Yusof. In other words, while Pawanchee was informing ^{me} verbally in his office Tan Sri Kadir would be telling the press about the new map being gazetted. This plan was, however, changed at the last moment. I will explain later.

4 Before keeping my appointment with Wisma Putra I attended a ceremony at MAYC headquarters where Tunku Abdul Rahman was laying a foundation stone for a new building. There I met Tan Sri Fatima, wife of Tan Sri Kadir. I asked her why her husband was not with her. She said he was extremely busy, wearing five 'hats' simultaneously. She added that he was to hold a press conference that morning and, therefore, could not make it to the MAYC ceremony. I said it was in connection with the new map as reported in the NST that morning. She replied affirmatively.

5 After Hamid Pawanchee had verbally read the official statement from a prepared text I asked him where I could get copies of the map and the gazette notification. He said they would be available at the Map Sales Office. I then said Tan Sri Kadir would obviously be giving copies of the gazette to the press at a news conference. Pawanchee replied: "No, that has been changed. There will be no press conference." He did not ask me how I got the information. I did not disclose my source either.

6 The method of informing us was definitely a strategy that was carefully laid out. Pawanchee read it out from a typewritten text and after reading it put it aside. He did not offer me a copy. It was clear the Malaysian Government wanted the notice to be verbal.

7 Pawanchee behaved unnaturally at this meeting. At other times he used to behave in a personal and friendly manner. This time he became silent after reading the statement. I asked if that was all he wanted me to convey to my Government. He merely said: "If there are any clarifications or points your government likes to have, they can be discussed in a friendly manner."

8 I asked Pawanchee if the new continental shelf was drawn only on the provisions of the Geneva Convention 1958 and the Johore-Singapore Maritime Treaty 1927 or were there other considerations. He mumbled "Yes, on those two, but if there are clarifications we could meet and discuss."

9 I told Pawanchee I would convey the message to my government.

10 Pawanchee said that in drawing the new lines for the continental shelf the Malaysians took the "median", otherwise the new lines could encompass the whole of Sumatra and beyond. Similarly other areas.

11 He repeated twice to me that there were no problems with Thailand and Indonesia. Malaysia had discussed with these two neighbours and entered into bilateral agreements with them. He did not say anything about the Philippines. He then pointed out that in our case Horsburg lighthouse was affected. I looked at the map and saw "Pulau Batu Puteh". Later, Fred Ten tells me Horsburg is known as "White Rock" which in Bahasa is "Pulau Batu Puteh".

12 As an aside, probably to soften the blow on us, Pawanchee pointed out that Hanoi and Jakarta have a dispute on some islands near the Natunas. He was trying to tell me that this sort of thing is to be expected among neighbours.

13 Overall, my reading is that Malaysia is taking the line of gazetting their claim of Pulau Batu Puteh, then wait for Singapore to dispute it. The ball, therefore, is now in our court.

14 You do not have to worry about how we handle enquirers. I have given written notice to all home-based officers that no one is to answer any questions from journalists and others. I alone will do it. All enquiries must be directed to me. I will merely say I have sent the map and the gazette to the Singapore Government, which will study them. Nothing more.

Annex 142

Letters from Director of Marine, Singapore, to Bang No
Hyeon and Bak Jong Hak, dated 8 Jan 1980

REGISTERED

(16)

Marine CA 60

8 Jan 80

Mr Bang No Hyeon
16-4, No 499-11, Gui Jong
1Dong, Sougu, Busan,
Korea

GROUNDING OF M.V. "YUSEUNG HO"

This is to inform you that after investigating the above casualty, the Minister for Communications has found you unfit for employment on Singapore registered ship.



P J THOMAS
for DIRECTOR OF MARINE

bc Debarment file

Dfm. 9/2/11
Dfm. M x)
PWS(S) m 22/1
ms/TK. 11/1/80
ms/a. 9/1/11

REGISTERED

Marine/CA 60

8 Jan 80

Mr Bak Jong Hak
230 Yeul Ri,
Chong Ryong Myn Ulju Gun,
Kyong Nam, Korea

GROUNDING OF M.V. "YUSEUNG HO"

This is to inform you that after investigating the above casualty, the Minister for Communications has found you unfit for employment on Singapore registered ships.



P J THOMAS
for DIRECTOR OF MARINE

bc Debarment File

Dy M. Seen
DDM. Seen
AMS (S) [unclear]
MS/TIC [unclear]
MS/G. [unclear]

Annex 143

Letter from the Malaysian High Commission to the Singapore
Ministry of Foreign Affairs dated 28 Jan 1980

Telegram: "MALAWAKIL"

Telephone: 2350111



SURUHANJAYA TINGGI MALAYSIA
MALAYSIAN HIGH COMMISSION
301, JERVOIS ROAD,
SINGAPORE, 10.

Ref. No. SR(070)199/1

28th January 1980

Dear Mr. Kwan,

Master Plan Study of Hydro-Electric
Potentials of Sarawak and Feasibility
Study of Pelagus Rapids Hydro-Electric
with HVDC Transmission to Peninsular
Malaysia.

I wish to inform you that the Sarawak Electricity Supply
Cooperation (SESCO), the National Electricity Board of Peninsular
Malaysia with the association of the German Consultants will be
making a feasibility study on the abovementioned subject.

..... 2. Attached herewith please find a copy of the "Terms of Reference" for your information which reveals the background of the said project. —(36)

3. I would appreciate if early approval could be granted by your Government, since the above project will covers also your territorial waters.

yours faithfully,

W. Mohd W. J.
(Wan Ishak bin Wan Ismail).

Mr Kwan Weng Kin,
Ministry of Foreign Affairs,
Singapore.

DRAFT

TERMS OF REFERENCE FOR THE HYDROGRAPHIC
SURVEY OF THE SUBMARINE HVDC CABLE ROUTE
BETWEEN PENINSULAR MALAYSIA AND THE
STATE OF SARAWAK

The Government of Malaysia wishes to obtain a hydrographic survey services including a suitable survey vessel to select a route for laying submarine high voltage direct current (HVDC) cables for a proposed interconnection of the power supply systems between Peninsular Malaysia and the State of Sarawak.

1. OBJECTIVE

The objective of the survey is to determine the shortest and most suitable route for laying the HVDC cables and to provide sufficient data on the selected route for the preliminary design of the cable system, the planning of the cable installation works and the cost estimates.

The survey would be conducted with the assistance of local staff wherever possible.

2. SCOPE OF WORK

In the course of the survey the surveyor selected shall:

2.1 In association with the German consultants involved in the feasibility study of the HVDC transmission together with Sarawak Electricity Supply Corporation (SESCO) of Sarawak and National Electricity Board (NEB) of Peninsular Malaysia, select the alternative survey routes for the interconnection between the western tip of Sarawak and the southern tip of Peninsular Malaysia and the submarine cable landing sites.

2.2 Having arrive at 2.1, carry out a preliminary survey by sounding run along the selected paths to determine the most suitable route.

2.3 Along the selected route, carry out detailed survey which should include the followings:-

- i) the seabed topography would be determined: the seabed profile along the route would be determined by using, e.g. echo sounding and depth recorder and the seabed surface within a width of 250 meters on both sides of the route would be observed and recorded, any obstacles would be located by using e.g. side scan-sonar and existing installations (e.g. Telecommunication Cables etc), if any.

- 2 -

- ii) the seabed sub-layers' profiles would be determined by using, e.g. shallow seismic techniques such as sparker, to give the thickness of the seabed sediments and to detect any existence of bed rock near the seabed surface.
- iii) all available marine geological data on the route would be reviewed and sufficient number of seabed sediments would be collected by suitable submarine sampler for testing and assessment.
- iv) seabed water temperature and its variation and the variation of the water temperature over the depth of the sea would be measured at sufficient number of points along the route and the existence of any thermocline would be observed.
- v) all existing data and information on daily and seasonal variation of current direction and speed would be obtained and analysed and measurements would be made during the survey to confirm and/or elaborate on these data. Tidal current hodographs would also be prepared for estimating daily current changes in all the seasons.
- vi) Evaluate all available data and carry out checks on seismic activities (if any) along the route selected and where necessary indicate the design requirements for the cable systems for protection against these activities.
- vii) after examining the site conditions, determine the most suitable short and long range position-fixing technique to locate the positions of the vessel during the survey for mapping and plotting of results obtained in the survey. Utilization of radar and/or satellite navigator and doppler sonar equipment for the off-shore areas and transit and hydro disc for the shore-line areas is considered feasible.

3. REPORT

The consultant shall submit 20 copies of report upon completion of the field works, giving details of all works performed and all the findings on the submarine geology, the seabed route and surface profile, the seabed sub-surface profiles, the water temperature variations and the direction and speed of current etc, and recommendations on cable

system design against cable damage from possible ocean activities and the optimum mode of cable laying.

4. TIME SCALE

It is expected that the study would commence in about June 1980 and be completed within 3 months.

SESCO

Annex 144

Singapore's Note MFA 30/80 dated 14 Feb 1980



MFA 30/80

The Ministry of Foreign Affairs presents its compliments to the Office of the High Commissioner for Malaysia and has the honour to refer to the conversation on 21 December 1979 at Wisma Putra, Kuala Lumpur, between the Singapore High Commissioner to Malaysia and the Malaysian Deputy Secretary-General at which the Government of the Republic of Singapore was informed of the new territorial waters and continental shelf map (1-PPNM SYIT Sheets 1 and 2 dated 21 December 1979) published by the Director of National Mapping, Malaysia.

The Government of the Republic of Singapore is gravely concerned at what is set out in the said map. This map purports to claim the island of Pedra Branca as belonging to Malaysia. The Government of the Republic of Singapore rejects this claim. There is no premise in international law on which to found such a claim. The Government of the Republic of Singapore has since the 1840s, by virtue of both its acts and those of its predecessor governments, occupied and exercised sovereignty over Pedra Branca and the waters around it. Since that time, no other country has exercised or claimed jurisdiction or contested Singapore's sovereignty over Pedra Branca. The Government of the Republic of Singapore therefore requests that the said map be suitably amended to reflect the sovereignty of Singapore over Pedra Branca.

The Government of the Republic of Singapore also notes with equally grave concern the unilateral manner in which the territorial waters and continental shelf boundary lines of Malaysia were drawn in respect of the areas at the eastern and western approaches to Singapore. The demarcation of the boundary lines at the western

approach to Singapore intrudes into the port limits of Singapore. This again clearly violates the sovereignty of Singapore. The two said areas outside the port limits of Singapore have heretofore remained undefined, covering as they do areas where the three jurisdictions of Singapore, Malaysia and Indonesia converge. Accordingly, any demarcation of these areas can only be drawn in accordance with international law and practice, viz, consultations among the three governments of Indonesia, Malaysia and Singapore. As no such consultations have taken place, it is all the more surprising that such demarcation should have been drawn in the said map. The Government of the Republic of Singapore would therefore like to state categorically that the boundary lines as indicated in the said map in respect of these two areas are unacceptable to it, and would request that the map be suitably rectified to reflect the correct position vis-a-vis these waters.

The Ministry of Foreign Affairs avails itself of this opportunity to renew to the Office of the High Commissioner for Malaysia the assurances of its highest consideration.

Singapore
14 February 1980



Office of the High Commissioner for Malaysia
Singapore

Annex 145

**Letter from the Malaysian High Commission to the Singapore
Ministry of Foreign Affairs dated 26 Mar 1980**

Telegram: "MALAWAKIL"

Telephone: 2350111



SURUHANJAYA TINGGI MALAYSIA
MALAYSIAN HIGH COMMISSION
301, JERVOIS ROAD,
SINGAPORE, 10.

6

Ref. No. SR(070)199/1

26th March, 1980.

Dear Mr. Kwan,

Master Plan Study of Hydro-Electric
Potentials of Sarawak and Feasibility
Study of Pelagus Rapids Hydro-Electric
with HVDC Transmission to Peninsular
Malaysia.

I wish to refer to my letter SR(070)199/1 dated 28th of
January, 1980 on the abovementioned subject.

For your information, the survey will commence in the
month of June 1980. Attached herewith please find a map showing
the likely point where the said survey would take place.

The Economic Planning Unit, Malaysia would be grateful,
if your Government would kindly give the clearance for our
consultant to conduct power market survey in Singapore with your
government agencies as soon as possible.

I would be grateful if you could kindly let me know
your Government response on the above request.

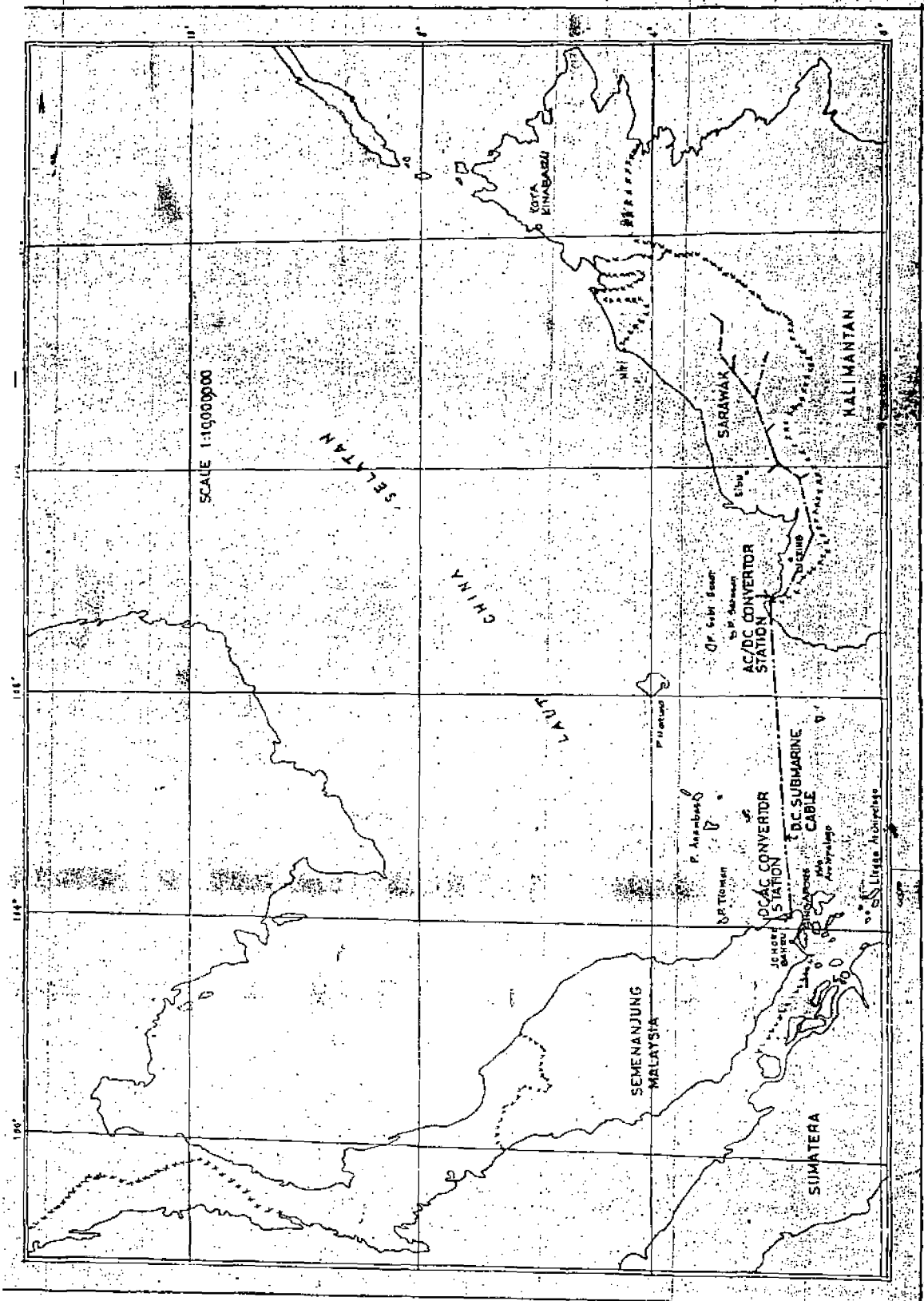
Yours faithfully,

W. M. W. J.

(Wan Ishak bin Wan Ismail).

Mr Kwan Weng Kin,
Ministry of Foreign Affairs,
Singapore.

(6A)



Annex 146

Malaysia's Note EC 87/80 dated 14 Apr 1980



EC: 87/80

The Office of the High Commissioner for Malaysia presents its compliments to the Ministry of Foreign Affairs, Singapore, and with reference to the Ministry's Note MFA 30/80 dated 14th February 1980, setting forth objections of the Government of the Republic of Singapore to Malaysia's new map published on 21st December 1979, has the honour to state that the Government of Malaysia has included the island of Pedra Branca or Pulau Batu Puteh as part of Malaysian territory in the map because, from time immemorial this island has been part of the territory of the State of Johore which is a component State of Malaysia.

In respect of the sea areas at the eastern and western approaches to Singapore, pending the conclusion of a bilateral agreement between Malaysia and Singapore, the territorial waters and continental shelf boundary lines of Malaysia were drawn in accordance with the Geneva Convention on the Continental Shelf, 1958 and customary international law.

The Government of Malaysia is confident that whatever problems between Malaysia and Singapore arising from the publication of the new map of Malaysia published on 21st December 1979, could be solved amicably through negotiations conducted in the ASEAN spirit of mutual respect, understanding, cooperation and goodwill.

The Office of the High Commissioner for Malaysia avails itself of this opportunity to renew to the Ministry of Foreign Affairs, Singapore, the assurances of its highest consideration.

14th April 1980
SINGAPORE



Annex 147

Letter from Singapore Ministry of Foreign Affairs to the
Malaysian High Commission dated 7 June 1980

(MFA S 053:177/11A)

MFA 141/80

7 June 1980

Mr Mahayuddin Abdul Rahman
Deputy High Commissioner
Office of the High Commissioner for Malaysia
301 Jervois Road
Singapore 1024

Dear Mr Mahayuddin

**MASTER PLAN STUDY OF HYDRO-ELECTRIC
POTENTIALS OF SARAWAK AND FEASIBILITY
STUDY OF PELAGUE RAPIDS HYDRO-ELECTRIC
WITH HVDC TRANSMISSION TO PENINSULAR
MALAYSIA**

I refer to the correspondence between
Mr Wan Ishak bin Wan Ismail, Malaysian High Commission,
and Mr Kwan Weng Kin, Ministry of Foreign Affairs on the
above subject.

I am pleased to inform you that the Singapore
Government has no objection to the proposed hydrographic
survey for the purpose of selecting a route for laying
submarine cable between Peninsular Malaysia and the
State of Sarawak. Since the proposed areas for the survey
would affect Singapore territorial waters, the Singapore
authorities concerned would like to have the coordinates
of the areas in Singapore territorial waters to be
surveyed.

Yours Sincerely,


LIN CHUNG YING
for PS (FOREIGN AFFAIRS)

cc Master File

Annex 148

Press Release of the Singapore Government dated 15 Sep 1980

Singapore Government PRESS RELEASE

Information Division, Ministry of Culture, City Hall, Singapore 0617 • tel: 328191 ext. 352, 353, 354 / 362207 / 362271.

Master copy

09-0/80/09/15.



EXCLUSIVE ECONOMIC ZONE

The Revised Ninth Session of the Third United Nations Conference on the Law of the Sea has just ended at Geneva. From the results of the Session, it would appear that the Conference is now drawing to a close and a new Convention on the Law of the Sea is likely to be concluded soon.

One of the trends emerging from the Conference is the endorsement of a 12-nautical mile limit for the territorial sea, with assurances of unimpeded transit passage through straits, and for a 200-nautical mile Exclusive Economic Zone beyond the territorial sea where coastal States will have jurisdiction and rights over resources. The practice of States in recent years has also been consistent with this trend. Among others, Malaysia and Indonesia have already declared a 12-nautical mile territorial sea and a 200-nautical mile Exclusive Economic Zone.

Since 1878, Singapore has adhered to the concept of a three-nautical mile territorial sea. In certain areas, Singapore can extend its territorial sea beyond three nautical miles and can also claim an Exclusive Economic Zone. In the light of the said international developments, Singapore will exercise its rights to extend its territorial sea limit up to a maximum of 12 nautical miles. Likewise, Singapore will also establish an Exclusive Economic Zone.

The precise coordinates of any extensions of the territorial sea and the establishment of any Exclusive Economic Zone will be announced at an appropriate time. Should such extensions and the establishment of an Exclusive Economic Zone overlap with claims of neighbouring countries, Singapore will negotiate with these countries with a view to arriving at an agreed delimitation in accordance with international law.

MINISTRY OF FOREIGN AFFAIRS

15 SEPTEMBER 1980

TOTAL P.02