



ဆောက်လုပ်ရေးဝန်ကြီးဌာန
မြို့ပြနှင့်အိမ်ရာဖွံ့ဖြိုးရေးဦးစီးဌာန

THE UNDERGROUND WATER RULES

(27th September , 1941)

THE BURMA GAZETTE OCTOBER 4, 1941.

HEALTH AND PUBLIC WORKS DEPARTMENT, PUBLIC HEALTH BRANCH

Rangoon, the 27th. September 1941.

No .355- Under section 2, clause (b) and of the Burma Underground Act , the Governor of Burma makes the following rules; -

The rules published with Local Government (Administrative) Department Notification No, 35 , dated the 1st . March 1932 as subsequently amended are hereby cancelled.

This notification issues with the concurrence of the Defence Department.

THE UNDERGROUND WATER RULES

1941

A- General.

1. Title These rules may be called ‘ ‘ The Uderground Water Rules 1941’’
2. Water Officer The Superintending Engineer Public Health Circle, P .W .D shall be the Water Officer for all the purpose of the Burma Underground Water Act and of the Rules framed thereunder.
3. Register of Wells. The Water Officer shall maintain a Register of all tube wells permanently licensed under the Act.
4. Numbering of tube wells The Water Officer shall assign to each tube well a distinguishing letter or number, which the license shall have painted clearly in black on a white board, affixed either to the tube well itself or to a post fixed in the ground close to the tube well. Such number shall be permanently maintained by the licenses in legible condition.
5. Appeals An appeal shall lie to the Governor against any order passed by the Water Officer under these rules. The appeal shall be filed within thirty days from the date of the order appealed against.

B. - New Tube Wells.

6. licence (a) The fee for a licence for a tube well shall be rupees fifty only, of which rupees ten shall be paid at the time of application. The balance shall be paid when the licensee desires samples of the water to be taken with a view to using the water from the well.
- (b) No licence fee shall be charged in respect of any tube well proposed to be sunk by an officer of the Crown at Government expense, or for a public purpose by a Municipal or Town Committee, a Cantonment Authority, a District Council or by a Deputy Commissioner at the expense of his Local fund.

7. An application for a licence to sink a tube well shall be made in writing in Form a Application as prescribed in Schedule II appended to these rules to the Water Officer for Licence.

8. An application in Form A. Schedule II , will be summarily rejected unless it is accompanied by –

- (a) a chalan showing that the fee of ten rupees has been duly credited;
- (b) a certified extract from the kwin or block map, in duplicate showing clearly the site on which it is proposed to bore for water.

The dimension of the area ,and its bearing form the nearest permanent survey mark shall be set out clearly on the map, and also the exact position of any tube well, surface well, latrine or septic tank within a radius of 300 feet of the proposed site of the well for which a licence is applied for.

9. If any person furnishes incorrect particulars or makes a false statement in his application or map, any licence issued on that application shall be liable to be summarily cancelled by the Water Officer.

10. On receipt of an application for a licence , the Water Officer , after satisfying himself Notice that it is in order , shall issue public notice of the application , specifying the name and calling for residence of the applicant and the site concerned and notifying that, on a specified date objections not less than fifteen days from the publication of the notice, and at a specified time and place , he will take the application into consideration, and calling upon any person who objects to the issue of the licence to be present on the specified date and at the specified time and place for the determination of this objection.

A copy of the notice shall be published in English in one daily news- paper and shall be posted in English and Burmese in a conspicuous place on the site ,and on notice – boards outside the office of the Water Officer and ,if the site is outside the limits of the City of Rangoon, the Township Officer , and the head of the village or ward headman.

Where the proposed tube- well falls within the limits of the City of Rangoon , a copy of the notice shall also be sent to the Secretary of the Corporation of Rangoon.

Copies of the notice , with endorsements showing that it has been duly published and duly served on all concerned persons , shall be filled as part of the proceedings.

11. On the date fixed in the notice, the Water Officer or other officer authorized is in this Hearing of behalf by and general or special order of Govt. Shall at the time and place specified in objections the notice referred to in Rule 10 enquired into the objections and make his decision on and issue or thereon. refusal of temporary licence

12. (1) If after all objections have been heard and decided for Water Officer considers that a Licence should not be issued he shall record his reasons in writing and pass a written order of objecting the applications.
- (2) If he considers that the applicant may be permitted to bore for water he shall issue a temporary licence in Form C of Schedule II in the first instance , valid for four months from the date of issue , and shall return therewith to the applicant one copy of the map referred to in Rule 8 duly signed and sealed in taken of his approval.
13. Extension of temporary licence. The period of a temporary licence may be extended for good cause shown by the Water Officer but in no case shall its total validity exceed eighteen months.
14. Date to be recorded The licence shall drive in flush with the ground levels permanent peg pillar or post close by the place where the tube is to be sunk , and if so directed by the Water Officer , shall ascertain and mark upon it its value , having reference to the G.T.S bench Mark Value. All measurements connected with the tube well shall bear reference to this peg , post or pillar.
15. (1) During the sinking of the well the licences shall record in feet the distance of the top of every stratum from ground level (G . T . S. Datum) together with its thickness.
- (2) He shall retain samples of every stratum through which the tube passes ,place them in special sample boxes which will be supplied by the Water Officer and mark the boxed plainly in white paint with the number or letter of the tube well, the number of the stratum , counted in serial order from ground level and the depth at which the sample was taken , and deposit the samples with the Water Officer.
16. Inspection of tube wells; The Water Officer , the Director of Public Health , Burma and any authorized assistant specially deputed by them, shall at all time have access to any tube well and shall at any time have power to carry out tests or supervise the carrying out of any tests that the Water Officer or the Director of Public Health may consider necessary and to take samples of water or any other substance , provided that the taking of such samples shall not cause inconvenience in the ordinary working of the tube well.
17. Procedure on commencement of work striking water and pla if work. (1) Seven days notices in writing shall be given to the Water Officer before the commencement of actual sink operations.
- When the licence strikes water in quantities sufficient to meet his requirements he shall forth with give notice to the Water Officer and state the actual date and time

he intends to commence pumping the well so as to clean it before samples of the water are taken for chemical and bacteriological analysis.

- (2) No sample shall be taken until the Water Officer is satisfied that the well has been sufficiently pumped to get the water samples a reasonable chance of yielding a satisfactory result on laboratory test and the balance of the fees mentioned in Rule 6 have been paid. The samples shall be taken and transmitted to the Harcourt Butler Institute of Public Health, Rangoon only by such assistance as either the Water Officer or the Director of Public Health shall depute for the purpose. No further sinking operations shall be carried out nor shall the water from the well be used until the result of the chemical and bacteriological analysis is known and definite orders are issued by the Water Officer.
- (3) Within seven days after the completion of the sinking of a tube well or its abandonment, due notice shall be given in writing to the Water Officer by the licensee.

18. In any case in which the water from the tube well is proposed to be, or likely to be, used for human consumption or articles of food or drink or such other articles manufactured with such water are proposed to be, or likely to be, used for human consumption, when satisfactory chemical and bacteriological reports on the water from the Director Harcourt Butler Institute of Public Health, Rangoon, have been obtained and the Director of Public Health considers that the water may safely be used for these purposes, and in such case as well as in all other cases, provided that the Water Officer is satisfied that the water from the tube well may properly be licensed with due regard to the object of the Act and with such restrictions as he may deem necessary, he shall withdraw the temporary licence and on receipt of detailed information referred to in Schedule I to these rules and such additional particulars as may be required under Rule 21 in respect of an existing tube-well as prescribed in Rule 20 shall issue a permanent Licence for the tube well concerned in Form D as prescribed in Schedule II appended to these rules.

19. Every licence for any tube well shall be subject to the conditions that-

- (a) the licensee shall at all times afford facilities for the inspection of the well as prescribed by Rule 16.
- (b) Where in the opinion of the Water Officer, any tube well is harmful to neighbouring tube wells or to any area capable of producing potable water, whether by the introduction of deleterious substances or organisms or by damaging the water bearing stratum, he may issue an order closing the tube well or if he thinks fit, limiting the pumping rate or the hours of pumping water therefrom or in other way restricting the use of the tube well or the water therefrom, provided that in case where the owner of a tube well is desirous subsequent to the issue of the permanent licence in respect of such a tube well, to change the purpose of using the water of the same well to

that for human consumption or manufacture of articles of food or drink or other articles which are proposed to be or likely to be used for human consumption he shall make an application to the Water Officer, to this effect. On payment by the owner of such tube well of a fresh fee of forty rupees to cover the cost of taking and testing further samples the application shall be disposed of as prescribed in rule 18.

- (c) The licence may be cancelled by the Water Officer, if in his opinion, the information on which the licence was granted was materially false or if the licensee fails to supply true and full information as required by section 5.

C - Tube wells already Existing of the date when these Rules are extended to any area for the first time

20. The owner of a tube – well which is in existence before the extension of this Act to any particular locality , shall apply for a licence in form B of Schedule II within three months of such extension . His application shall contain the particulars indicated in clauses(i) (ii) and (iv) Form A of Schedule II and shall be accompanied by a statement of the information required in Schedule I as far as in the opinion of the Water Officer is practicable and obtainable , and a map as required by clause (b) of Rule 8.

21. The information which the Water Officer may require to be supplied to him in the case of a tube well proceeding under Rule 2 by any person obtaining or attempting to obtain under ground water by means of that tube well, may include –

- (a) a statement of any of the details specified in Schedule I
- (b) samples of water obtained from the well, sealed and dated ,for the purpose of being forwarded for examination; provided that bottles and ice-chest, with instructions for collecting samples may be obtained free of charge and carriage paid on application to the Director Harcourt Butler Institute of Public Health, Rangoon, No charge shall be made for examination , provided that the samples are plainly marked with the tube well number or letter;
- (c) a report as to any unusual introduction of sand or other foreign matter into the water obtained from the well;
- (d) a report as to any shifting of the tube or of the ground in which the well is sunk and
- (e) any further particulars arising from any of the matters aforesaid or from the circumstances of the case.

Subject to the Provisions of Rule 18 and 19 the Water Officer shall issue a permanent licence in Form D as prescribed Schedule II appended these Rules.

D- Transfers of ownership and abandonment of Licensed

Tube Wells.

22. When the registered owner of (i) a temporary licence to sink a tube well or (ii) of a permanent licence to possess and operate a tube well (a) transfers his legal interest in the well or the land in which it is sunk, or (b) desires to abandon the use of a tube well permanently licensed , he shall at once inform the Water Officer in writing and deliver up his copy of the licence for the registration of the new owner or cancellation as the case may be.

SCHEDULE I

Information requires to be furnished to the

Water officer

- (i) Approximate date tube well was sunk.
- (ii) Diameter of tube-well.
- (iii) Description of tube-well.
 - (a) if of plain black iron pipe galvanized iron or steel.
 - (b) thickness of metal.
 - (c) If ordinary perforated pipe , state diameter of perforation, length of perforated portion and number of perforations;
 - (d) If provided with patent strainers state maker's name, length and size.
- (iv) Reduced level of ground by tube-well reduced to G.T.S datum.
- (v) Actual depth of bottom of tube-well measured from ground level.
- (vi) Rest water level in tube well measured from ground level.
- (vii) Did water flow naturally from the mouth of the tube when any water bearing strata was struck.
- (viii) pumping water level in tube-well measured from ground level.
- (ix) yield on gallons per hour.
- (x) State number of water bearing strata penetrated in boring , their depths below ground level, their yields, and quality of water obtained there from if tested.
- (xi) Method employed in raising water –
 - (a) air;
 - (b)direct pumping;
 - (c)deep well pumps;
- (xii) Nature of power employed-
 - (a) Steam;
 - (b) electricity
 - (c) manual
- (xiii) Description of plant and H.P used.

- (xiv) Number of hours per day tube-well is pumped.
- (xv) Definite purpose or purposes for which the water is required.
- (xvi) Analysis of water-
 - (a) chemical;
 - (b) bacteriological
- (xvii) Quantity required-
 - (a) per hour
 - (b) per 24 hours
- (xviii) State if bottom of tube-well is-
 - (a) closed
 - (b) not closed.

SCHEDULE II –FORMS

FORM A (RULES 7 AND 8)

form of application for a Licence under the Burma Underground Water Act
in respect of a purpose Tube-well

- (i) Name residence and designation of applicant.
- (ii) Township, circle and kwin or block in which the proposed well is to be situated.
(A certified extract from the kwin or (block map) in duplicated is to be attached.)
- (iii) Area and Boundaries of site at which it is proposed to bore for water.
- (iv) Whether the site has been so cleared and demarcated, as to be readily capable of identification.
- (v) Particulars of any other tube-well or wells in the locality for which applicant holds, or has held, a licence or for which he has been refused a licence, or had a licence cancelled.
- (vi) The diameter of the tube to be used.
- (vii) Mechanism or method by which the tube-well is to be sunk.
- (viii) Definite purpose or purposes for which it is intended to use the water.
- (ix) The name of the contractor or other person who will supervise the work.
- (x) Whether applicant has read the Burma Underground Water Act and Rules and agrees to abide by all the conditions prescribed therein. The number and date of chala appended to this application showing that the necessary fee of RS.10 has been duly credited into the treasury.

Signature.

Place.

Date.

FORM B (RULE 20)

Form of application of a Licence under the Burma Underground Water Act in respect of tube well already in existence before the extension of the said Act.

- (i) Name , residence and designation of applicant.
- (ii) Township, Circle . kwin or block in which the proposed tube well is situate
(A certified extract from the kwin or block map) in duplicate is to be attached.
- (iii) Area and boundaries of site.
- (iv) Whether the site has been so cleared and demarcated as to be readily capable of identification.
- (v) Infomation as required in Schedule I of the Underground Water Rules.

Signature.

Place.

Date.

FORM C (RULE 12)

Form of temporary Licence granted under the Burma Underground Water Act.

Temporary Licence No.

Date the 19

The temporary lincence Valid only (unless and until extended to the)

day of 19

is granted to

.

residing at.

.

.

to authorize the sinking of a

. inch

Diameter tube well at.

and provisionally registered as No..

in the books of the Water Officer , Burma subject to the conditions prescribed in the Underground Water Rules 1941 especially Rule 17.

Rangoon

Date the

Water Officer,

Burma

N.B (1) This form is to be prepared in triplicate. One copy to be issued to the licensee.

One copy to be sent to the Director, Harcourt Butler Institute of Public Health, Rangoon.

Counterfoil to be filed in the Office of the Water Officer, Burma.

(2) The currency of a Temporary of Licence cannot be extended beyond eighteen months of the date of issue.

FORM D (RULE 18)

Form of permanent Licence granted under the Burma Underground Water Act.

Permanent Licence No.

Dated the.. . . .19This permanent

Licence is granted to

.

residing at

.

To own and operate for the undermentioned purpose only

.

.inchd diameter tube well

permanently registered as No

in the books of the Water Officer, Burma and sunk at

.

.

subject to the conditions prescribed in the Underground Water Rules, 1941.especially Rule 19

Rangoon
Date the

Water Officer.

N.B – The form is to be prepared in triplicate.
 One copy to be issued to the Licensee.
 One copy to be sent to the Director, Harcourt Butler Institute of Public Health, Rangoon.
 Counterfoil to be filed in the Office of the Water Officer, Burma.

By order,

Sd/- Shwe Baw,
Secy, to the Govt. of Burma,
Health and Publi Work Dept.