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NOTIFICATION

No.B.28031/1/94-P&E/Pt/72, the 28th June, 2000. In pursuance of Sub-Rule (1) of the Rules 45 of the Indian Electricity Rules, 1956, the Governor of Mizoram is pleased to order that the grant of Licence, Certificate of Competency and Permits to Electrical Contractors, Supervisors and Electrical Workmen can be issued in accordance with the provision of the Mizoram Electrical Licensing Regulations, 2000 to govern the whole State of Mizoram with effect from the date of publication in the Mizoram Gazette.

THE MIZORAM ELECTRICAL LICENSING REGULATIONS, 2000

LICENSING BOARD

1. **APPOINTMENT OF LICENSING BOARD:** For carrying out the purpose of these Regulations, a Licensing Board namely "Mizoram Electrical Licensing Board" (hereinafter referred to as "the Board") shall be appointed by the State Government.

There shall be a Secretary to the Board (hereinafter referred to as "the Secretary").

2. **CONSTITUTION OF THE LICENSING BOARD:** The Board shall consist of the following members.

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|---|-----------------|
| (1) Any person to be appointed by the Government | — Chairman |
| (2) The Superintending Engineer, Aizawl electrical Circle | — Vice Chairman |

- (3) The Electrical Inspector to the Government of Mizoram — Member Secretary
- (4) Principal, Industrial Training Institute, Aizawl — Member
- (5) The representative of PWD to be nominated by the Department — Member
- (6) The representative of Power & Electricity Department, Mizoram to be nominated by the Department — Member

3 (a) PLACE OF OFFICE: The office of the Board should be functioned at the State capital.

3 (b) TERMS OF OFFICE: The term of office of members other than ex-officio members of the Board shall be three years or such shorter period as the State Government may direct:

Provided that the members referred to in clause (3) of Regulation 2 shall hold office until another person is appointed in his place by the State Government.

4. FILLING OF VACANCIES AND POWER OF FUNCTION NOTWITHSTANDING VACANCIES :

(1) If a member of the Board, not being a member referred to in clause (3) of Regulation 2 or an ex-officio member, leaves the State or is absent therefrom for a period of more than six months, another person may be appointed in his place for the unexpired portion of his term of office.

(2) The board shall have the power to act notwithstanding any vacancy in its membership.

5. FUNCTIONS OF THE BOARD : The functions of the Board shall be —

- (1) to grant licences to approved electrical contractors;
- (2) to conduct examination for supervisors and electrical workmen;
- (3) to grant certificates of competency to supervisors and permits to electrical workmen;
- (4) to enquire into allegation of incompetence, negligence, breach of the Indian Electricity Rules, 1956 or malpractices on the part of a workman, supervisor or contractor holding a permit, certificate or licence granted by the Board or breach of a condition of a licence on the part of the contractor holding a licence granted by the Board and to take such action in respect of such permit, certificate or licence as may be considered necessary;

(5) to maintain a REGISTER OF LICENSED CONTRACTORS and of all persons holding certificates of competency or workman's permits; and

(6) generally to carry out the provisions to these Regulations.

- 6. **MEETING OF THE BOARD** : The Board shall meet once in six months and at such other times as may, in the opinion of the Secretary, be necessary for transacting business, which cannot be disposed of by circulation of papers, at least seven day's notice of all meetings shall be sent to each member.
- 7. **QUORUM** : The President or the Vice President, together with two other members shall form a quorum at any meeting of the Board.
- 8. **CHAIRMAN OF THE MEETING** : The President or in his absence the Vice President or in absence of both, such one of the members present as may be elected at the meeting shall be the Chairman of the meeting.

EXAMINATIONS

9. **EXAMINATIONS** : Examinations shall be held by the Board at such places and on such dates as may be notified by the Secretary from time to time in the Gazette of Mizoram and Local Newspaper.

10. Every examinations shall be of such nature as to test the practical knowledge of the candidate and to ascertain his satisfaction of the Board for the purpose of granting certificates of competency and permits under these Regulations.

11. Every examination shall be conducted in a place where the candidate's knowledge can be practically tested and such candidate shall be tested viva voce.

12. **APPLICATIONS FOR ADMISSION TO THE EXAMINATION** : Every candidate for an examination under these Regulations shall make an application in "Form A" and shall sign the same in the presence of his employer, or a Government official of gazetted rank. The candidate shall forward the application duly filled in to the Secretary to the Board not less than 30 days before the date fixed for the examination together with :

- (a) testimonials from employers regarding good conduct and practical experience in

"Form G" appended to these Regulations;

- (b) electrical workman's permit, if any;
- (c) a challan in support of payment of the prescribed fee for each examination; (See regulations 47)
- (d) two copies of his recent photograph (passport size) all of which shall bear his signature or thumb impression on the back.

13. The fee paid by a candidate, whose application for admission to an examination has been accepted, shall not be refunded to him on any account.

Provided that the Board may allow the candidate who was prevented from appearing at the examination to appear at the next examination without further payment.

In the event of the candidate not appearing at the next examination, the application will lapse and the fees will be forfeited.

14. EXAMINATION FOR PERMITS TO ELECTRICAL WORKMEN : The examination for permits to electrical workmen is intended for operative electrical workmen as distinct from supervising electrical workmen.

15. QUALIFICATION : Candidate for examination for permits to electrical workmen shall be persons :

(a) who have worked on wiring and electric installation works for at least two years under a licensed electrical contractor, or

(b) who have satisfactorily completed the wireman's classes in a recognised technical school or college, which is regarded as satisfactory by the Board and in addition have served under licensed electrical contractor for at least twelve months employed on installation work, or

(c) who have other electrical training or practical experience which is regarded as satisfactory by the Board:

Provided that a candidate for a workman's permit in the class or classes relating to high pressure installation work (SEE REGULATION 16 (G) (VI) AND (VII) must be in possession of a valid permit in the corresponding class or classes (g) (ii) and (iv) respectively pertaining to medium pressure work.

16. SYLLABUS FOR EXAMINATION FOR PERMITS TO ELECTRICAL WORKMEN ; Candidates for examinations for permits to electrical workmen shall comply with Regulation 12 and be examined practically in installation work and by an oral and practical test covering any or all of the following subjects and the permits of successful candidate will contain a reference to one or more of the classes of wiring referred to in clause (g) below :

(a) Ascertaining the sizes of wires of solid and stranded conductor.

(b) Use of test lamps.

(c) Use of a bell and battery for sorting out circuits.

(d) Methods of testing polarity and phasing out circuits.

(e) Connections and diagrams for distribution boards, ceiling roses, plugs and sockets, lamp holders, AC (alternating current) and DC (direct current), fans with regulators switches (including two ways switches) and Miniature Circuit Breakers (MCB).

(f) Wiring of various types of fittings and other domestic consuming devices or appliances.

(g) Installation work of the classes and with the kinds of cables and wire set out below:

FOR VOLTAGES NOT EXCEEDING MEDIUM "MEDIUM PRESSURE" (ABOVE 250V UPTO 650V AS PER RULE 2, SUB-RULE 1, CLAUSE (AV) OF INDIAN ELECTRICITY RULES, 1956):

(i) Wiring of buildings (for lights, fans and small motors) in cleat wood casing and capping metal sheathed, tough rubber and conduit systems (steel & PVC, etc.) and also in any other systems as permitted under the Indian electricity Rules, 1956.

(ii) Motor wiring (including generator).

(iii) Overhead lines.

(iv) Laying and jointing of Paper Insulated Cables and Underground Cables.

(v) Other Installation.

FOR VOLTAGES OF "HIGH PRESSURE" (ABOVE 650V UPTO 33000V AS PER RULE 2, SUB-RULE 1, CLAUSE (AV) OF INDIAN ELECTRICITY RULES, 1956) :

(vi) Overhead lines.

(vii) Laying and jointing of Paper Insulated cables, XLPE cables and other types of underground cables.

(viii) Other installations.

NOTES : A candidate for electrical workman's permit in classes (vi) and (vii) must qualify in classes (iii) and (iv) respectively before he is permitted to sit for examination in classes (vi) and (vii).

(h) Methods of erecting overhead lines, bare and covered with insulating materials.

(i) Installation of electric bells and indicators operated for electric supply lines.

(j) Jointing and soldering.

(a) Making Straight and Tee joints in solid and stranded conductors and soldering the same.

(b) Making Britannia and other approved joints in bare overhead lines and soldering the same.

(k) Soldering lugs and sockets on wires and cables and finishing off and insulating.

(l) Testing for faults and measuring insulation resistance.

(m) Action to be taken and method of treatment in case of a person suffering from electrical shock.

17. GRANT OF PERMITS TO ELECTRICAL WORKMEN : Every candidate who passed the examination for permits to electrical workmen shall be granted a permit in "Form C". The Board may also grant a permit in "Form C" to any person who has fulfilled the requirements of Regulation 12 and satisfied the Board that his qualification and practical experience as such to justify the grant of workman's permit; without requiring him to sit for examination. Such permit shall be renewable annually by paying the prescribed fee which shall not be refundable on any account : (SEE REGULATIONS 47 (e) (i))

Provided that when the application for renewal together with the permit and the prescribed fee is not received before the expiry of the permit a prescribed penalty fee for late renewal shall be charged in addition to the fee for renewal.

(SEE REGULATIONS 47 (F) (I))

Permits which have not been renewed within one year from the date of expiry will be automatically cancelled and fresh fees with an application in "Form A" must be furnished before a new permit will be granted.

For the purpose of ascertaining whether there has been any mutilation or defacement of or any unauthorised entry in any workman's permit the Secretary may require the production of the permit before him for inspection on such requisition such permit shall be produced by the holder thereof before the Secretary for inspection.

A permit of workman is liable to be cancelled by the Board at any time in the event of misuse of permit and also if the performance of the workman is found as to call for such cancellation.

18. EXAMINATION FOR SUPERVISORS : The examination for certificate of competency of supervisors is intended for electrical workman who will directly supervise installation work.

19. QUALIFICATIONS : Candidates for examination for certificate of competency of Supervisors must comply with Regulation 12 and must-

(a) have passed the examination for electrical workman, and

(b) have at least five years practical experience (of which not less than two years should be after passing the workman's examination) which is regarded as satisfactory by the Board.

Provided that notwithstanding clause (a) of this Regulation, the Board may permit any person they think fit to offer himself for the examination for certificates of competency of Supervisors.

Provided also that, for the purpose of this Regulation, every candidate who produces a full technological certificate acceptable to the Board from a school or college to the effect that he has satisfactorily completed a course of theoretical and practical electrical installation work or electrical engineering and who, subsequent to the course of practical work, has completed two years practical experience in actual electrical installation work, may be exempted from appearing for the written examination.

20. EXAMINATION FOR CERTIFICATES OF COMPETENCY OF SUPERVISORS :

(a) Candidates for examination for certificate examined by a written paper and by oral and practical tests. Candidates will normally be examined through the medium of English language but the Board may permit through the medium of Mizo as may be possible for the Board to arrange.

(b) For the purpose of these Regulations all electrical installation works shall be divided as shown under sub clause (d) of Regulation 20. Successful candidates will be granted a certificate of competency for the installation work, which the Board decides that they are competent to supervise.

(c) Certificate Board at any time in the event of misuse of permit and also of the performance of the supervisor is found as to call for such cancellation.

(d) The syllabus of the several parts of the examination are set out below. Candidates may appear for examination for any class of certificate. The parts to be passed to qualify for a certificate are:

CANDIDATE FOR

PARTS COMPULSORY

Wiring for system not exceeding 250 volts
 Wiring for system not exceeding 650 volts
 DC Apparatus not exceeding 650 volts
 AC Apparatus not exceeding 650 volts
 Underground cable exceeding 650 volts
 Installation exceeding 650 volts
 Overhead lines exceeding 250 volts
 Mining lines exceeding 250 volts
 Lift line exceeding 250 volts

1, 2
 1, 2, 9
 1, 2, 3
 1, 2, 3, 4
 1, 5
 1, 2, 3, 4, 6, 9
 1, 7
 1, 3, 4, 8
 1, 2, 3, 4, 9

with endorsement for lifts

Electric Signs.

1, 2, 3, 9 with
 endorsement for
 electric signs

NOTES: Certificates endorsed for underground cable work and for overhead lines exceeding 250 Volts will be provided into Sections A, B. and C which are progressive and cumulative. Certificates granted to successful candidate will be endorsed to denote a section or sections in which the candidate has qualified.

SYLLABUS FOR SUPERVISORS

GENERAL NOTES:

(1) The Board reserves the right to amend, alter or add to the undermentioned syllabus at any time, and without notice.

(2) Candidates are not expected to have a memorised knowledge of the Indian Electricity Rules, 1956 & Indian Electricity Acts, 1910 but they are expected to be able to apply them and give a reasoned explanation of their meaning in any particular case, so far as electrical installation work is concerned. In the examination they will be permitted to use a copy of the Indian Electricity Rules, 1956 and Indian Electricity acts, 1910.

PART - I

ELEMENTARY PRINCIPLES

ELECTRICAL PROPERTIES OF MATERIALS: Conductors and insulators- the effect of commonly occurring conditions such as moisture, heat, etc conditions which hasten deterioration.

MAGNETIC PROPERTIES OF MATERIALS: Magnetisation by electric current, electro-magnets and their applications.

CONDUCTORS, BARE AND INSULATED: Their resistance and safe current carrying capacities, calculation of sizes of conductors for connected load with due regard to heating and voltage drop.

ELECTRICAL MEASUREMENTS: Application of Ohm's Law to simple methods of ascertaining resistance, voltage and current. The use of ammeters, voltmeters, ohmmeters, ampere-hour-meters, kilowatt-hour-meters and their connections and also the use of tong testers, multimeters, insulation resistance testers (meggers), earth resistance testers (both analog and digital for all).

ELECTRIC SHOCK: Action to be taken, method and duration of treatment in cases of persons suffering from electric shock.

DRAWING: Drawing and reading drawings of power and lighting circuit diagrams.

GRADES AND CLASSES OF CABLES: Their suitability for different kinds of installation work. The installation and systematic testing of cables for continuity, leakage, insulation resistance and the testing of connections, earthing.

INDIAN ELECTRICITY RULES: A general knowledge, particularly of Chapters V and VI of the Indian Electricity Rules, 1956.

PART-2

WIRING FOR SYSTEM NOT EXCEEDING 250 VOLTS : Cleat, wood-casing lead-covered, cab-tyre sheathed, conduit and armoured cable together with main switches and cut-outs, distribution boards and correct installation of switches.

LOW PRESSURE ELECTRICAL APPLIANCES: Such as heaters, cookers, small motors for pumps, refrigerators, electric bells and indicators works of electric supply lines, whether portables or otherwise.

LOW PRESSURE OVERHEAD LINE: General principles of construction, strength of posts, length of spans, spacing of conductors, cross arms, guard-wires, safety devices, earthing, lightning conductors and arresters, testing.

INDIAN ELECTRICITY RULES: At working knowledge of the Indian Electricity Rules, 1956 as applicable to installation work of this part.

PART-3

DC APPARATUS EXCEEDING 250 VOLTS AND NOT EXCEEDING 650 VOLTS

GENERATORS: DC series, shunt and compound wound, elementary theory, installation, operation, parallel running of machine, balancers.

MOTORS: DC series, shunt and compound wound, elementary theory, installation, operation, parallel running of machine, balancers.

CONTROL GEARS: The various types of switches, fuses, starters, controllers, regulators, their uses and installations.

Installation in general including portable appliances but excluding that installation work specifically covered by Part 4, 6, & 7.

INDIAN ELECTRICITY RULES: A working knowledge of the provisions of the Indian Electricity Rules, 1956 as applicable to installation works of this part.

PART-4

AC APPARATUS EXCEEDING 250 VOLTS AND NOT EXCEEDING 650 VOLTS

GENERATORS: AC single and polyphase, elementary theory, installation, operation, parallel running of machines, rotors, converters, power factor meters, frequency meters and synchrosopes.

MOTORS: AC single phase and Polyphase, induction and synchronous machines, elementary theory, their uses installation, operation and speed control.

CONTROL GEARS: The various types of switches, fuses, starters, controllers, regulators; their uses and installation.

Installation in general including portable appliances but excluding that installation work specifically covered by Parts 6 and 7.

INDIAN ELECTRICITY RULES : A working knowledge of the provisions of Indian Electricity Rules, 1956 as applicable to installation work of this Part

PART—5

UNDERGROUND CABLES

For (A) voltages upto 1000 volts

For (B) voltages upto 11000 volts

For (C) voltages upto and exceeding 33000 volts (paper or cambric) oil filled, gas filled or any other types.

General practical knowledge of laying direct in ground, in troughs and in pipes, handling, bending, jointing, plumbing, underground and aboveground joint boxes, junction boxes and distribution boxes and pillars, joint box compounds, melting of compounds, filling boxes with compound,

A working knowledge of the Indian Electricity Rules, 1956 as applicable to such underground cables.

PART—6

INSTALLATION EXCEEDING 650 VOLTS

NOTE: A candidate must pass in Parts 1,2,3,4, and 9 before appearing in an examination for Part 6 provided that they may appear for all the parts in the same examination but will not be granted a certificate in Part 6 should they fail in either 1,2,3,4 or 9.

Generators, motors and their control gear as in Part 3 and 4 but exceeding 650 volts and also rectifiers and other high pressure apparatus.

TRANSFORMERS : General principles, elementary calculations, various types and uses, installation, wiring connection, operation, phasing out and parallel operations.

A working knowledge of the Indian Electricity Rules, 1956 as applicable to installation work of this part.

PART—7**OVERHEADLINES EXCEEDING 250 VOLTS**

For (A) voltages upto 650 volts

For (B) voltages upto 33000 volts

For (C) voltages upto and exceeding 33000 volts

General practical knowledge of erection under varying climatic conditions; spacing of conductors the uses of guys, struts, guard-wires, safety devices, lightning conductors and arresters. Testing of the installation and earthing.

PART—8

**REGULATION AS REQUIRED BY THE DEPARTMENT OF MINES,
GOVERNMENT OF INDIA**

MINING INSTALLATION (BELOW GROUND)

Candidate for this part must have had a minimum of one year practical experience in electrical installation work in mines below ground.

This part will cover those feature of installation works which are particular and peculiar to installations (below ground) in mines.

Before a candidate will be granted a certificate for mining installation (below ground), i.e, Part-8, he must, in addition to satisfying the Board in Part-8 have qualified in parts 1,2 and 4.

General knowledge of cables used in mines; jointing, junction boxes, joint box compounds and testing.

Electrical haulage and winders mining and electrical machinery and apparatus as applicable to mines,

Portions of the Indian Electricity Rules, 1956 specially applicable to mines.

NOTE : (1) Those candidates who desire a certificate for Mining Installation (below ground) shall also entitled to supervise surface installations of the nature covered by the syllabus for the parts in which he has qualified. Similarly if a person is required to supervise work of the nature covered by the syllabus in Parts 1,2,7 and 9 he must also qualify in those parts.

(2) For the supervision of electrical installation below ground in gassy mines, persons who hold certificates for supervising electrical installation in mines below ground shall have their certificate endorsed for supervising such installations in "gassy mines" if they can produce satisfactory evidence that they have a minimum of six months practical experience of electrical installations in "gassy mines" below ground.

PART--9

WIRING FOR SYSTEMS UPTO BUT NOT EXCEEDING 630 VOLTS :
Connection of low pressure installations to medium pressure apply mains.

Wiring installation including connections for power and other purpose but excluding that installation work specifically covered by parts 3 and 4.

INDIAN ELECTRICITY RULES : A working knowledge of the Indian Electricity Rules, 1956 as applicable to installation work of this part.

ELECTRIC LIFTS

NB : The Indian Electricity Rules and Acts do not extend the electrical equipment installed and used in lifts.

GENERAL PRINCIPLES : Installation and connection of AC and DC motors upto but not exceeding 630 volts, controllers and safety devices as used in lifts.

ELECTRIC SIGNS

Filament lamps, electric discharge lamp, luminous tubes, flashers, etc. their installation, connection, operation and precautions to be taken.

A thorough knowledge of the special instructions for such signs as issued under the Indian Electricity Rules, 1956.

21. GRANT OF CERTIFICATES OF COMPETENCY TO SUPERVISORS :
Every candidate who qualifies as required by regulations 20 shall be granted a certificate of competency in "Form B".

(i) The Board may grant a certificate of competency in "Form B" to any person who has fulfilled their requirements of Regulation 12 and satisfied the Board that his technical qualifications and practical experience are such as to justify the grant of a certificate of competency without requiring him to sit for the examination.

(ii) For the purpose of ascertaining whether there has been any mutilation or defacement of or any unauthorised entry in any supervisor's certificate of competency, the Secretary may require the production and on such requisition such certificate of competency shall be produced by the holder thereof before the Secretary for inspection.

22. RENEWAL : A certificate of competency shall be renewed annually by paying the prescribed renewal fee which shall not be refunded on any accounts : [SEB REGULATIONS 47 (e)(ii)]

(i) Provided that when the application for renewal together with the certificate and the prescribed fee is not received before the expiry of the certifi-

cate, a prescribed penalty fee for late renewal shall be charged in addition to the fee for renewal which shall not be refundable on any account, [SEE REGULATIONS 47 (f)(ii)]

(ii) Certificate which has not been renewed within one year from the date of expiry will be automatically cancelled and a fresh initial fee with an application in "Form A" must be furnished before a new certificate will be granted.

23. GRANT OF DUPLICATE CERTIFICATE OR PERMIT : On being satisfied that an original certificate or permit granted under these Regulations has been lost or destroyed, the Secretary may on application, grant a duplicate. A duplicate of a certificate or permit granted under these Regulations shall be issued on payment of the prescribed fee for each supervisor's certificate of competency and for workman's permit. [SEE REGULATIONS 47 (d)(i) & (ii)]

(i) A duplicate of every certificate and permit granted under these Regulations shall be recorded in the office of the Secretary.

24. RESTRICTION OF EMPLOYMENT FOR SUPERVISORS :

(a) A person holding supervisor's certificate of competency should not be the employee of more than two different the same period.

(b) A supervisor employed by the electrical licensed contractor should not be an employee of a Central or State Government or a Government undertaking or a regular/full time employee of any Company or Firm.

25. GRANT OF ELECTRICAL CONTRACTOR'S LICENCE : An electrical contractor's licence shall be granted only to a person (or a firm) who has in his possession the instruments necessary for carrying out the test required under the Indian Electricity Rules, 1956 and who either himself holds a certificate of competency and personally executed and supervises all works undertaken by him or who has in his employ a supervisor holding a certificate of competency under whose direct supervision all work undertaken by him is carried out.

Provided that the Board may refuse to grant such licence to any person (or a firm) who (or which) in the opinion of the Board, is not fit to hold such licence.

26. WHEN CONTRACTOR'S LICENCE SHALL NOT BE GRANTED : A contractor's licence shall not be granted to any holder of a supervisor's certificate of competency or any holder of workman's permit while he is in the employ of a firm of electrical contractors.

27. APPLICATION FOR CONTRACTOR'S LICENCE : Application for contractor's licence shall be made to the Secretary in "Form D" by paying the prescribed fee. [SEE REGULATIONS 46 (c)].

28. FORM OF CONTRACTOR'S LICENCE : The electrical contractor's licence shall be issued in "Form E".

29. CANCELLATION OF CONTRACTOR'S LICENCE :

(a) If a holder of competency certificate on the strength of which certificates a licence has been granted to an electrical contractor, leave the services of such contractors, such contractor's licence shall be deemed to have been suspended, should such contractor fails to employ a person holding a supervisor's certificate of competency within one month from the date on which the holder of the competency certificate had left such contractor's service, such contractor's licence shall be cancelled.

(b) If a holder of supervisor's certificate of competency to whom a contractor's licence has been granted accepts employment in any other firm of electrical contractors the contractor's licence granted to such holder shall be automatically cancelled.

30. WHEN CONTRACTOR'S LICENCE MAY BE CANCELLED : The Board may, at any time cancelled contractor's licence if the person (or firm) to whom (to which) the license is granted is in the opinion of the Board not fit to hold such licence.

31. RENEWAL OF CONTRACTOR'S LICENCE : Every Electrical contractor's licences granted under these Regulations shall be renewed annually. Application for renewal together with the licence and non-refundable prescribed fees shall be submitted to Secretary before the date of expiry of the licence. In the event of the licensed contractor failing to renew a licence before the date of expiry, the licence shall be liable to cancellation and the full initial fee charged for issue of a new licence. [SEE REGULATIONS 47 (e) (III)]

Provided that if the application for renewal as aforesaid is received within one month from the date of expiry of the licence may be renewed on payment of the prescribed annual renewal fee and prescribed penalty fee for late renewal of the licence.

[SEE REGULATIONS 47 (f) (III)]

Certificate which have not renewed within one year from the date of expiry will be automatically cancelled and fresh initial fee with an application in "Form A" must be furnished before a new certificate will be granted.

32. GRANT OF DUPLICATE CONTRACTOR'S LICENCE : A duplicate of an electrical contractor's licence granted under these Regulations shall be issued on payment of a prescribed fee on production by the applicant the proof of loss the original licence to the satisfaction of the Secretary.

[SEE REGULATIONS 47 (d) (III)]

33. REGISTER OF CONTRATORS : A register of all licensed electrical contractors shall be maintained by the Secretary.

34. **CHANGE OF NAME AND FEE THEREOF:** A prescribed fee shall be charged where a change in respect of the name of the contractor is to be made in the licence granted provided that such change does not involve a transfer of an assignment of the licence to another person and on production of affidavit obtained from appropriate court for change of name. [SEE REGULATIONS 47 (g)]

35. **ELECTRICAL CONTRACTOR TO KEEP INSTRUMENTS IN GOOD ORDERS:**

An electrical contractor to whom a licence in "Form E" is granted shall keep the instruments which may be prescribed by the Board for carrying out the test required under the Indian Electricity Rules, 1956 in good order.

36. **INSPECTION OF INSTRUMENTS:** The instruments in the possession of every electrical contractor may be inspected from time to time by the Electrical Inspector or his representative.

37. **STAFFS OF CONTRACTORS:** The entire staffs of every licensed electrical contractor shall consist of bonafide certified and full-time employees, provided that a contractor may engage apprentices for training purposes, in which case the total number of apprentices employed by any contractor at any time shall not exceed 30 per cent of his total wiring staffs inclusive of apprentices but not permit such apprentices to carry out any electrical installation work including additions, alternations, repairs and adjustment to existing installations covered by Rule 45 of the Indian Electricity Rules, 1955 except under the direct supervision of a person holding a certificate of competency under the guidance of at least one certified workman on the premises.

Every contractor shall maintain a register in "Form F" of all supervisors, workmen and apprentices and such register shall be opened to inspection at any time by that officer or his representative.

No person, whose name is not entered in such register be considered to be a bonafide employee under the contractor's staffs.

38. **NOTICE OF TERMINATION OF SERVICE OF SUPERVISOR TO BE GIVEN:** If a holder of supervisor's certificate in the employment of a licensed electrical contractor leaves his service, the termination of the service of the certificate holder shall be notified to the Secretary both by the contractor and the certificate holder. The contractor shall also notify the name, certificate No. of the supervisor engaged under Regulation 25.

39. **MODE OF CONTRACT:** Every contract for electrical installation work undertaken by a licensed electrical contractor shall be put in writing, and the licensed electrical contractor shall be held responsible for the quality of all materials used.

40. **NOTICE BEFORE COMMENCEMENT OF WORKS :** No electrical installation work, including additions, alterations, repairs and adjustment to existing installations, except such replacement of lamps, fans, fuses, switches and other

component parts of the installation as in no way alters its capacity or character shall be commenced by a licensed electrical contractor without notifying in writing the Electrical Inspector or his Assistant.

41. TEST REPORT : For all electrical installation works carried out under Rule 45 of the Indian Electricity Rules, 1956 test report shall be submitted by the licensed electrical contractor to the Electrical Supplier concerned in their prescribed form. The test report shall be signed by the supervisor under whose supervision the work has been carried out and countersigned by the licensed electrical contractor. The supervisor shall be wholly responsible for the due execution of the electrical installation work and shall be present at the time of testing.

MISCONDUCT OF LICENSED CONTRACTORS, SUPERVISORS AND ELECTRICAL WORKMEN

42. REPORT OF NEGLIGENCE :

(1) When in the opinion of the supplier or of a person for whom any electrical installation work is being or has been carried out, any work carried out by a contractor licensed under these Regulations is not in accordance with the Indian electricity Rules, 1956 and such supplier or other person desires to bring the facts to the notice of the Board, he shall make a report in writing to the Secretary.

(2) A report made to the Secretary under these Regulations by a person other than a supplier, shall be accompanied by a deposit of a prescribed fee or such larger amount as the Board may fix by special order in any case. If in the opinion of the Board, the charge contained in the report is not substantiated, the Board may direct that the deposit shall be forfeited.

43. MALPRACTICES OR INFRINGEMENT OR REGULATIONS TO BE REPORTED : If any person holding an electrical workman's permit or a supervisor's certificate of competency or an electrical contractor's licence is found by the Board to be guilty of negligence, incompetence or a breach of these Regulations or of the conditions of his licence, the Board may suspend or cancel his permit, certificate or licence. The decision of the Board in this regards shall be final.

44. UNAUTHORISED ENTRIES, MUTILATIONS OR DEFACEMENT OF WORKMAN'S PERMIT, SUPERVISOR'S CERTIFICATE OF COMPETENCY AND ELECTRICAL CONTRACTOR'S LICENCE : Any mutilation or defacement of, or any unauthorised entry in any workman's permit or supervisor's certificate of competency or electrical contractor's licence shall make the permit, certificate or licence as the case may be, liable to cancellation by the Board, the decision of the Board in this regard shall be final.

ELECTRIC LICENCES CARRYING ON THE BUSINESS OF ELECTRICAL CONTRACTOR

45. ELECTRICAL LICENSEE TO OBTAIN CONTRACTOR'S LICENCE : No electrical installation work shall be carried out by a person licensed under Part II of the Indian Electricity Act 1910 on a consumer's premises beyond the point

of commencement of supply unless he has obtained an electrical contractor's licence and employs a staff of supervisors and electrical workmen in compliance with these Regulations.

46. CANCELLATION OF LICENCE GRANTED TO ELECTRICAL LICENSEES : An electrical contractor licence granted under these Regulations to a person licensed under Part - II of the Indian Electricity Act, 1910 shall be liable to be withdrawn or cancelled if in the opinion of the Board preferential treatment resulting in unfair competition with local contractors is given to prospective consumers.

FEEES

47. FEES : The following fees shall be levied under these Regulations :

(a) With every application in "Form A" for a supervisor's certificate of competency from an uncertified person- Rs. 100.00 (SEE REGULATIONS 12)

NOTE : CERTIFIED SUPERVISORS : A supervisor holding a valid certificate of competency granted under these Regulations and who desires to increase the scope of his certificate shall submit a fresh application in "Form A" together with a fee of Rs. 20.00 (c), for which application is made.

(b) **EXAMINATION FOR AN ELECTRICAL WORKMEN :** Rupees 20.00 for the installation work set out in any one sub-clauses (i), (ii), (iii), (v), (vi) or (viii) of Regulation 16 (g). (SEE REGULATIONS 12)

(c) **CONTRACTOR'S LICENCE :** Initial fee Rs.400.00
(SEE REGULATIONS 27)

NOTE :

(i) Candidate applying for examination in any class set out in Regulation 20 or Regulation 16 (g) as the case may be, will be examined in that class but will be granted a certificate or permit for the class, if any, in which they actually qualify. Should a passed candidate desires to qualify, subsequently for a class other than that for which a certificate or permit has been granted he will be permitted to appear in the examination for the parts concerned and will be charged the additional fee or fees. Similarly, those who apply for exemption from Supervisor's examination and who have been granted a certificate for one class or more classes may apply with the requisite fee for examination in any other additional class or classes.

(ii) Candidate will be supplied with a copy of the pass list as soon as it is available. The same will be sent by post to the address supplied by the candidate within a few days of the publication of the pass list. No reply will be issued to applications made before hand.

(iii) Apart from the issue of the list no correspondence will be entered into in respect of the examination.

(iv) All fees for examination, permits, certificates, contractors's licences and the annual renewal thereof, and any other fees leviable under these Regulations shall be paid into a Government Treasury in the State of Mizoram.

(v) Printed copies of these Regulations in English may be obtained from the Secretary, Electrical Licencing Board on payment of the cost.

(vi) Forms of application for examination and contractor's licence may be obtain from the Secretary, Electrical Licensing Board.

(d) FEES FOR GRANT OF DUPLICATE COPY: SEE REGULATIONS 23&32

- | | |
|---|------------|
| (i) Electrical Workman's permit | Rs. 30.00 |
| (ii) Supervisor's certificate of competency | Rs. 50.00 |
| (ii) Contractor's Licence | Rs. 100.00 |

(e) ANNUAL RENEWAL FEES FOR — (SEE REGULATIONS 17,22, & 31)

- | | |
|---|------------|
| (i) Electrical Workman's permit | Rs. 20.00 |
| (ii) Supervisor's certificate of competency | Rs. 40.00 |
| (iii) Contractor's Licence | Rs. 100.00 |

(f) PENALTY FEES FOR LATE RENEWAL OF — (SEE REGULATIONS 17,22, & 31)

- | | |
|---|-----------|
| (i) Electrical Workman's permit | Rs. 15.00 |
| (ii) Supervisor's certificate of competency | Rs. 20.00 |
| (iii) Contractor's Licence | Rs. 25.00 |

(g) FEE FOR CHANGE OF NAME OF ELECTRICAL CONTRACTORS. (SEE REGULATIONS 34) Rs. 20.00

(h) REPORT OF NEGLIGENCE (SEE REGULATIONS 42 (2)) Rs. 30.00 or higher

Haukhum Hauzel,
Commissioner, Power & Electricity,
Government of Mizoram.

**GOVERNMENT OF MIZORAM
ELECTRICAL INSPECTORATE**

**FORM A
(SEE REGULATIONS 12,16,20 and 47)**

**APPLICATION FOR ADMISSION TO EXAMINATION
FOR ELECTRICAL SUPERVISOR/WORKMAN
(TO BE FILLED IN ENGLISH)**

1. Full name of the applicant :
(in block letters)
2. Father's name :
3. Date of birth and age :
4. Permanent address in full :
5. Present address in full :
6. Details of technical qualifications :
7. Details of past and present service :
(dates of commencement and termination :
of each appointment to be given)
8. Testimonials, original of copies :
thereof to be submitted
9. Examination for which the applicant :
offers himself
10. If he failed in previous examination of :
this kind, state where and when
11. Fees payable :
(1) Examination fee for Supervisor : Rs. 100.00
(2) Examination fee for Electrical Workman : Rs. 20.00
12. Chalan No.....dated.....amounting to Rs.....
(to be forwarded with the application).
13. Language in which the candidate desires to have examination :
English and/or Mizo

14. I hereby declared that the particulars stated above are correct and true to the best of my knowledge.

Date

Signature of Applicant.

In presence of employer
or Government Official (Gazetted)

Specimen signatures of Applicant :

Signature.....

(1)

Full name.....

(2)

Designation

(3)

Seal

NOTES :

(1) Testimonials with copies thereof to be submitted with the application (original will be returned as soon as they are scrutinised and the application is disposed off).

(2) All payments should be paid with Treasury Challan through Aizawl Treasury only under the head of account "XIII-B, TAXES AND DUTIES ON ELECTRICITY RECEIPT FROM ELECTRICITY RULES".

(3) The application must be signed in the presence of the employer of a Government official of gazetted rank.

(4) Three copies of recent photograph (PASSPORT SIZE) of the applicant with name and signature of the applicant should accompany the application.

(5) Any person making false statements for the purpose of admission to the examination shall render himself liable for prosecution.

INCOMPLETE APPLICATION WILL BE REJECTED.

N.B. : (1) Every change of address to be entered and notified to the Secretary.

(2) Every change of employers to be similarly notified.

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Class of Certificate	Qualification date	Secretary's Signature
1. Wiring for system not exceeding 250 V		
2. Wiring for system not exceeding 650 V		
3. DC Apparatus for voltage not exceeding 650 V		
4. AC Apparatus for voltage not exceeding 650 V		
5. Underground cables		
6. Installation exceeding 650 V		
7. Overhead lines		
8. Mining		
9. Lifts		
10. Electric signs		

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Endorsement

Photograph with signature or thumb impression of certificate holder

This certificate is to be carried on the holder's person.

**GOVERNMENT OF MIZORAM
ELECTRICAL INSPECTORATE**

**FORM C
[SEE REGULATIONS 17]**

PERMIT FOR ELECTRICAL WORKMAN

This permit is to be renewed annually and must be returned on demand by
the Secretary.

(Not transferable or renewable by any authority other than the
Mizoram Electrical Licensing Board)

This permit is granted to of
..... by the Mizoram Electrical Licensing
Board subject to the conditions mentioned in the rules issued by the Government
of Mizoram Notification No..... dt and authorised
him to carry out wiring work described on pages 3 of this permit, but does not
allow him to undertake supervising or electrical contracting work.

Secretary

Mizoram Electrical Licensing Board

President

Mizoram Electrical Licensing Board

• Certificate No

Date of issue

Permit No

Date of Examination

Place of Examination

Page 2

Date of Renewal	Date of Expiry	Change of Address	Signature of the Secretary
1	2	3	4

- N.B.: (1) Every change of address to be entered and notified to the Secretary.
 (2) Every change of employers to be similarly notified.

PAGE 3

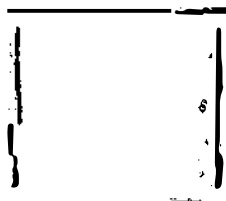
Class	Description	Qualifying date	Secy's Signature
1	2	3	4
	FOR VOLTAGE NOT EXCEEDING MEDIUM PRESSURE (INDIAN ELECTRICITY RULES, 1956)		
(i)	Wiring of buildings (for lights, fans and small motors) in cleat, wood casing and capping, metal sheathed, tough rubber and conduit system and also in any other system as permitted under the Indian Electricity Rules, 1956.		
(ii)	Motor wiring (including generators)		
(iii)	Overhead lines		
(iv)	Laying & Jointing of Paper Insulated Cables and Underground cables		
(v)	Other installations		
	FOR HIGH PRESSURE (INDIAN ELECTRICITY RULES, 1956)		
(vi)	Overhead lines		
(vii)	Laying and Jointing of XLPE cables, Paper Insulated Cables and other types of underground cables		
(viii)	Other installations		

NOTE : A candidate for workman's permit in clause (vi) and (vii) must qualify in clause (iii) and (iv) respectively before he is permitted to sit for examination in clauses (vi) and (vii).

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ENDORSEMENT

Photograph with signature or thumb impression of permit holder

This permit is to be carried on the holder's person.



**GOVERNMENT OF MIZORAM
ELECTRICAL INSPECTORATE**

**FORM D
(SEE REGULATIONS 27)**

**APPLICATION FOR AN ELECTRICAL CONTRACTOR'S LICENCE
(TO BE FILLED IN ENGLISH)**

1. Name (title) in which an Electrical Contractor's Licence is applied for :
2. Business address :
3. Full name, home address and age of the proprietor or partner :
 - 1)
 - 2)
 - 3)
4. Full name of Agent or Manager (in case of a limited company) :
5. If a Contractor's Licence has been previously granted, details to be given :
6. Previous experiences with Licensed Electrical Contractors :
7. Details of all Supervisors holding valid certificate of competency in the sole and wholtime employ of the applicant :
8. Details of all workmen holding valid permit in the sole and wholtime employ of the applicant :

Fee paid into the Government Treasury Rs.

Treasury Challan No. Date

(To be forwarded with the application)

NOTE :

The applicant shall, if required by the Secretary, Mizoram Electrical Licensing Board, produce evidence of solvency and capability to undertake wiring works.

I/We hereby declare that the particulars, stated above are correct to the best of my/our knowledge.

I/We hereby also declare that I/We have in my/our possession a latest copy of Rules and Conditions for the grant of certificate of competency and permit to supervisors and workmen and licencees to Electrical Contractors and other matter connected therewith and that I/We fully understand the Terms and Conditions under which an Electrical Contractor's Licence is granted, a breach of which will render the licence liable to cancellation.

Date

Signature

Name

Signature of partners

Name

TESTING INSTRUMENTS IN MY/OUR POSSESSION

Sl. No.	Description	Maker's Name	Makers's Serial No.
1			
2			
3			
4			
5			

Note :

1) Any person who makes, procures to be made or assist in making any false representation for the purpose of obtaining for himself in any other person an Electrical Contractor's Licence shall render himself liable to be prosecution.

2) Items 1, 2, 3 and 4 must be filled up in block letters.

3) If additional space is required for filling up of items 5 and 6 of this application, a separate sheet of paper may be used and attached in this form.

4) The minimum requirement for testing instruments is possession of 500V insulation testing instruments, Earth Resistance Tester (0-10 Ohms).

**GOVERNMENT OF MIZORAM
ELECTRICAL INSPECTORATE**

**FORM E
(SEE REGULATIONS 28)**

LICENCE TO ELECTRICAL CONTRACTOR

(This licence is to be renewed annually and must be returned on demand by the Secretary)

Licence No. Date

Mr/Messrs is/ are hereby authorised to carry out electrical installation work in the State of Mizoram subject to the conditions mentioned in the rules issued by the Government of Mizoram Notification No dated

**Secretary
Mizoram Electrical Licensing Board**

**President.
Mizoram Electrical Licensing Board**

Sl.No.	Date of Renewal	Date of Expiry	Secretary's Signature
1			
2			
3			
4			
5			
6			
7			

**GOVERNMENT OF MIZORAM
ELECTRICAL INSPECTORATE**

**FORM G
(SEE REGULATIONS 12 (a))**

Certificate to be granted to electrical staff for admission to workman's and Supervisor's examination

1. Name :
2. Date of admission :
3. Nature or work :
4. Date of leaving :
5. Attendance :
6. Conduct :
7. Remarks :

I hereby declared that the particulars stated above are correct and true to the best of my knowledge.

Date :

Signature of Employer/Licensed
Electrical Contractor
SEAL

NOTE

1) This certificate should be granted only to persons who are or have been actually employed on electrical wiring and installation work and whose names are entered in the register of the wiring staff maintained by every licensed contractor.

2) The issue of the false certificate will render the licensed contractor and the person concerned liable for action under the rules and conditions for the grant of certificates of competency and permits to supervisors and workmen and licensees to electrical contractors, etc.

3) The employer or the licensed contractor shall, if required by the Secretary, Mizoram Electrical Licensing Board, be responsible for producing documentary evidence regarding the applicant's employment.