

GOVERNMENT OF HIMACHAL PRADESH

MULTIPURPOSE PROJECTS AND POWER DEPARTMENT

NOTIFICATION

Shimla-171002, the 4th October, 1976

No. MPP-F(6)-26/75-II- In exercise of the powers conferred by rule 133 of Indian Electricity Rules, 1956, the Governor of Himachal Pradesh is pleased to relax the provision of rule 45 of the said rules to the extent and subject to the conditions that the authority for issuing licenses to the Electrical Contractors, and of issuing or recognizing certificates of competency, under rule 45, shall vest in the Licensing Board to be constituted as given below and shall be exercised by the said Board in accordance with the procedure prescribed in this notification,

**CONSTITUTION OF LICENSING BOARD AND PROCEDURE
TO BE FOLLOWED BY IT**

I. Definitions

1. *Definitions-* In this notifications, unless there is anything repugnant in the subject or context;-
 - (i) “ Board” means the Licensing Board constituted under clause 2;
 - (ii) “Chairman” means the Chairman o f the Board;
 - (iii) “ Government “means the Government of Himachal Pradesh;
 - (iv) “Form” means form annexed to this notification ;
 - (v) “ Secretary “ means the Secretary of the Board; and
 - (vi) “All other words and expressions used in this notification shall have the same meaning as are assigned to them in the Indian Electricity Act, 1910 and the rules framed thereunder.

II. Licensing Board

2. *Constitution-* The Licensing Board shall consist of the following:-
 - (i) The Senior most Chief Engineer of the Himachal Pradesh State Electricity Board
.... *Chairman*
 - (ii) The Senior-most Head of Electrical Engineering Department in Government Polytechnics (Representative of the Directorate of Technical Education)
.... *Member*

(iii) Two non-official members to be nominated by the State Government from amongst the members of the State Legislature ... *Members*

(iv) The Electrical Inspector Government of Himachal Pradesh .. *Member and Secretary.*

3. Quorum for the meetings of the Board- No meeting of the Board shall be held unless three members are present. In the absence of the Chairman the members may elect any one out of them to act as the chairman of the meeting.

4. Meetings of the Board- The Board shall ordinarily meet twice a year. The Board shall also meet for transacting any special business which cannot be disposed of by circulation of papers. 15 clear days' notice of every meeting shall be sent to each member by the Secretary.

5. Functions of the Board- The functions of the Board shall be-

- (i) to grant licences to the electrical contractors, certificates of competency to the electrical supervisors and permits to the wiremen;
- (ii) to conduct examination for granting licenses, certificates of competency and permits mentioned in such clause (I) ;
- (iii) to deal with applications and testimonials found to be incorrect and to take such action in each case as may be deemed fit, and to deal with all matters in connection with the electrical contractors' licenses and Supervisors' and Wiremen's examination;
- (iv) to inquire into allegation of incompetence , negligence and breach of the provisions of rule 45 of the Indian Electricity Rules,1956 and conditions of licenses, certificates and permits as the case may or malpractices on the part of the wiring contractors and to take such actions as might be deemed proper;
- (v) to do such other work as the state Government , may from time to time direct in connection with the enforcement of the Indian Electricity Rules,1956;
- (vi) to maintain a register of electrical contractors, supervisors and wiremen holding licenses, certificates and permits respectively;
- (vii) generally, to carryout the provisions of this notification.

6. Travelling allowances to member of the Board- (I) The official members shall draw travelling and daily allowances according to the rules applicable to them and from the source from which they draw their pay;

(2) The non-official members nominated out of the state legislature will drawing travelling and daily allowances under the Himachal Pradesh Legislative Assembly (Allowances of Members) Act, 1971 and the rules made thereunder. The expenditure involved will be debitable to the head " 245-other Taxes and Duties on Commodities and services " .

7. Appeals- Appeals against the orders of the Board shall lie to Secretary (Multipurpose Project & Power) to Himachal Pradesh Government; provided these are filed within 30 days of the issue of the order of the Board.

III. Certificate of Competency

8. *Supervisor's Examination* – Except as provided in the rules below certificate of competency shall be granted to the candidates on passing an examination.
9. *Eligibility*- Examination shall be open to all citizens of India.
10. (I) *Age Limit*- The minimum age limit for appearing at the examination shall be 20 years on the date of commencement of examination. A candidate of less than 20 years can appear at the examination but the certificate of competency will not be granted till he completes the age of 20 years.

(II) *Educational Qualifications*-Candidate desirous of taking examination shall be atleast a matriculate from the Himachal Pradesh School Education Board, or from any other recognised institution.
11. *Nature of test*- The nature of the test will be such as to test the practical knowledge and capability to undertake the electrical wiring works and to know the electrical wiring works and to know the fundamentals of electricity essential for the above work.
12. *Form of application*- Application for taking examination shall be made in form 'A' and shall be submitted to the Secretary along with original copy of treasury challan indicating prescribed fees deposited under the appropriate head of account, three copies of attested recent photographs and with true copies of testimonial (original to be produced during examination), before the due date so fixed by the Board in clause 16.
13. *Examination fee not be refundable*- Fees once paid will not be refunded on any account. However, a candidate failing to appear at the examination on reasonable grounds would be allowed to appear at the next examination without any fee.
14. *Unsatisfactory testimonials* – No candidate shall be admitted to the examination whose testimonials are in the opinion of the Board Un-satisfactory.
15. *Returns of testimonials* – The original testimonials after having been scrutinized will be returned to the applicant.
16. *Time and Place*- The Chairman shall, in consultation with the members of the Board appoint place at and the dates on which the examination will be held. The appointed place and date shall be published in rajpatra, Himachal Pradesh and advertised in two successive issues of not less than three newspapers approved by Government in this behalf. The notification and advertisement will also specify the date by which the application for the permission to appear in the examination must reach the Secretary.
17. *Exemption from Examination*- A Candidate possessing following qualification will be exempted from appearing in examination:-

(1) if he has a recognised degree in Electrical Engineering ,

OR

(2) he has passed part 'A' & 'B' of Associate Membership in Indian Engineers in Electrical Engineering,

OR

(3) he is having a diploma in Electrical Engineering from the Board of Technical Education Haryana or from any other recognised Institution with *one year practical experience under a licenced wiring contractor* or in Electricity Board, Electricity Branch of Public Works Department, Military Engineering Service or other departments having electrical wiring works including repairs, faults location etc.,

OR

(4) he has worked in a factory of substantial capacity as electrician for three years after passing electrical trade from a recognised Industrial Training Institution .

N.B- A Contractors certificate as given in favour of candidate will not hold good unless the contractor has been in electrical business for at least five year,

OR

(5) if he has a certificate of competency granted by any other state, or central Electricity Board having common syllabus and after getting it countersigned by the Electrical Inspector Himachal Pradesh Government on payment of fee of Rs.20/-.

OR

(6) for the purpose of supervising the work o f the description given in rule 45 of the Electricity Rules, 1956 when executed by-

- (i) licensees holding licenses granted under part II of the Indian Electricity Act, 1910; **OR**
- (ii) the electrical section of the Himachal Pradesh Public Works Department (Building & Road B ranch); **OR**
- (iii) The Himachal Pradesh State Electricity Board.

N.B- A Certificate will be granted to such officers, not below the rank of junior Engineer, Works Manager etc. as the Department, Government, Institutions or Body mentioned above may name in this behalf:

Provided that such certificates when granted to employees of licensees holding licenses granted under part II of the Indian Electricity Act, 1910 shall be valid only for supervising work required for the purpose of supply of the energy to the premises of state licenses and work, not including work on internal wiring, the consumer, or prospective consumers, premises upto the point of commencement of supply:

Provided further that such certificate when granted to the employees of the Departments of the government or the Himachal Pradesh State Electricity Board through their own agencies shall be valid only for supervising work carried out by that department or the H.P. State Electricity Board.

18. Syllabus for electrical supervisors' examination –(1) The examination will consist of :-

- (a) The following three written papers each of two hours duration, and each carry marks:
Paper (I) Compulsory- Electrical Theory (Elementary Knowledge).

Paper (II) optional –Electricity utilization to be taken by the candidates desiring to qualify domestic, industrial and other installations.

Paper (III) optional- Mines Installations to be taken up by the candidates desiring to qualify for electrical installation in mines; and

(b) An oral and practical test carrying 100 marks.

(2) To pass the examination, a candidate must secure 20 marks in each written paper and marks in the oral and practical test.

(3) No certificate shall be issued unless a candidate passes in papers (I) and (II), or papers (I) and (III). Candidate who have passed in papers (I) and (II), and desire to qualify in paper (III) or candidate who passed in paper (I) & (III) and desire to qualify in paper (II), shall be exempted from re- appearing in paper (I).

(4) The syllabus for papers (I), II & III shall be as under:-

Paper I

ELECTRICITY THEORY (ELEMENTARY KNOWLEDGE)

Principles of Electricity- Electric pressure, current and resistances, Ohm's law, Special resistance, Laws of resistance and their application for circulating voltage drop, series and parallel circuits , practical units of voltage, current, resistance, power and energy. Relations between electrical power unit (KW) and mechanical power unit (H.P).

Electromagnetism- Productions of BMP and Flemings hand rule, magnetic , chemical and heating effect of electric current, Magnetic properties of material, Electromagnet and their applications.

Material –Conductors, non-conductors and insulators, insulating materials and their relative merits Transformer oil, effect of heat and moisture on insulation, Lubricants and their uses.

Different types of wires, cable switches, cable breakers, cut outs etc. and their safe current carrying capacity, use of tables and data sheets generally given in electrical handbooks.

Generation of electricity – Natural sources of energy types of prime movers, methods of producing Electro Motive Force- alternating current and direct current.

A.C. Generators- Essential components and constructional features, Shunt, series and compound dynamos and their characteristics, Causes of sparking, Interpoles, Commutators and their maintenance, Carbon brushes their adjustment and care, Methods of voltage regulation , Conditions for parallel operation Simple associated switch board and its accessories.

A. C. Generators (Alternators) - Essential components and constructional features, Methods of voltage and frequency control, conditions and methods for synchronizing, simple associated switch board and accessories.

Batteries- Primary Cells, Dry Cells, Storage of Secondary batteries, accumulators and their installation, Lead acid cells, Nickel iron or alkaline cells. Initial and subsequent charging of batteries. Charging Circuits and their calculations series and parallel circuits. Maintenance of battery. Use of hydrometer.

A.C Motors – Theory of induction. Squirrel cage and slipping type induction motors, Synchronous and commutated motors. Their uses, installations, methods of starting, speed control and reversal of direction.

D.C. Motors- Theory of series, shunt and compound wound type motor their uses, installation, methods of starting and speed control and reversal of direction.

A.C.Circuits- Knowledge of Vectors, Phase and phase difference. Resistance, inductance and capacitance in an A.C. Circuit, periodicity or frequency, power and power factor, Single phase and three phase system. Star and delta connection. Phase sequence.

Controlling and Regulating Gear:- Knowledge of various types of switches, circuit breakers and cut-outs, starters regulators, protective devices for both A.C. and D.C. motors and their wiring with motors.

Transformation- Knowledge of single phase and three phase transformers. Their construction, use and maintenance tapings. Temperature rise. Instrument transformer.

Conversion- Principles of operation of motor generator sets, rotary convertors, mercury and Rectifiers

Transmission and Distribution- (a) *Over head lines*- Simple calculations and general principles of construction of low, medium and high pressure lines, size of conductors, length of spans, sag, strength of poles spacing of conductors, cross arms, effect of temperature, wind pressure, ice and snow, tension on wire, Insulators brackets, stays, guard wires and other protective devices. Earthing, lightning arrestors and lightning conductors and their testing. Testing and fault location.

(b) *Underground Cables*- Simple calculations and general principles of laying cables direct in ground in troughs and pipes, handling, bending, jointing, plumbing under ground and above ground junction boxes distribution board and pillars, Joint by compound, melting of compounds, filling boxes with compound, testing and fault location.

Illumination – Metal filament lamps, fluorescent lamp circuits. High voltage luminous sign installations Photometric units and simple measurement. General requirements of efficient lighting and its elementary calculations, Street lighting time switches.

Safety Rules- Working Knowledge of (a) The Indian Electricity Rules (b) Wiring Rules, (c) Protection and restoration of persons suffering from electric shock.

Paper-II

ELECTRICITY UTILISATION (DOMESTIC INSTALLATION)

Wiring – Layouts of different types such as cleat, metal sheathed, wooden casing, capping, cab type sheathed, conduit and armoured cable for lightning and power installations in residential premises together with necessary types of installations. Wiring of temporary installation and portable appliances.

Circuit Diagrams- Electrical connections of various circuits for (i) House wiring including those for main and sub- distribution boards, switches and cut-outs, etc. together with the load statement with each circuit (ii) Lifts with their safety devices.

Apparatus – Installation and maintenance of heater, cookers, refrigerators and other domestic appliances electric bulbs and indicators, small motors for pumps and electric lifts.

Energy measurement and charges- Energy meters both D.C. & A.C. for house service. Simple calculation relating to cost of energy, elementary knowledge of methods of charging for energy.

Testing and fault attendance- Detection and location of faults in domestic appliances and wiring installations, insulation and continuity test. Rectification of faults. Test for insulation resistance to earth. Earth testing.

Protective devices- Elementary knowledge of the use of fuses and cut outs, earthing of domestic appliances motors etc. Use of lightning arrestors.

ELECTRICITY UTILISATION (INDUSTRIAL INSTALLATIONS)

Wiring- Layouts of different types such as cleat, wooden capping, metal sheathed, cab type sheathed , conduit and armoured cable for lighting and power installations in industrial premises together with necessary switch gear. Estimates of material and cost of different types of installations. Wiring of temporary installation and portable appliances.

Circuit Diagram- Electrical connection for:-

- (i) D.C. & A.C. Generators , switch boards, transformers.
- (ii) Main and sub-distribution boards with circuit breakers, switch fuse units, with load statement for each circuit.
- (iii) D.C. & A.C.motors, their starters, regulators.
- (iv) Battery charging equipment.
- (v) Converting machinery.
- (vi) Lifts with their safety devices.

Pump installation- General principles and elementary calculations, head, power and energy requirements.

Apparatus- Installation and maintenance of generators, electric motors, electric lifts, electric furnace, electric welding plant, haulage and winding machines, cooling and heating appliances.

Power and Energy Measurement and charges- Measurement of power, volt meters energy meters both D.C. & A.C. Power factor correction by capacitors, simple calculations relating to cost power and energy, elementary knowledge of methods of charging or demand and energy.

Testing and fault attendance- Detection and location of fault in D.C. A.C. gene toss motors, overhead distribution lines and under ground cables , electrical instruments, apparatus and wiring installation, rectification of fault, Insulation and continuity test, tests of insulation resistance. Earth testing.

Protective devices – elementary knowledge of earthing of generators, motor, machine installation and appliances. Use of lightning arrestors, fuses including high rupturing capacity fuses cut out outs and circuits breakers over load low volt protection, thermal trips. Field breaking switches and over speed protection.

PAPER III MINES INSTALLATIONS

Wiring- Layouts of different types such as cleats, lead covered, cab types sheathed for lightning purposes and armoured cables of power installations , different types of training cables and their use.

Circuit Diagrams- Electrical connection for-

- (a) D.C. & A.C. generators, switch board transformer, etc.
- (b) Distribution boards with circuit breakers switch fuse units and gate end switches.
- (c) D.C. and A.C. motors tie starters and regulators.

Apparatus- (i) installation and maintenance of –

- (a) Electrical winders, haulages and pump units, their control gears and starters.
 - (b) Rectifier rotary convertors and electric locomotives.
 - (c) Portable and transportable machineries; Coal cutting machines, loaders, conveyors, gate end switches, drill panels with drill units and their control system.
- (ii) General principles and elementary calculation of load, power and energy consumption in pumping, hauling and winding installation and other working machineries.

Power and Energy measurement and charges- Measurement, Watt meters, energy meters moth D.C. & A.C., power factor correction by capacitors. Simple calculation relating to cost of power and energy. Elementary knowledge of methods charging for demand and energy.

Testing and fault attendance- Detection and location of earth faults in electrical apparatus and cable. Insulation and continuity test. Rectification of faults. Test for insulation resistance to earth. Testing of leakage protective devices and earth testing.

Protective Devices- Elementary knowledge of earthing of metal frame of machinery. Uses of fuses, overload, no volt and earth leakage protection of circuit breakers.

Safety Rules- Working knowledge of the Indian Electricity Rules, 1956 with particular reference to chapter X.

N.B.- Candidate desiring to qualify only for electrical installations in mines need not appear for compulsory section under part II. Part I is, however, compulsory for such candidates also.

19. Grant of certificate of competency to Supervisors- A Candidate who passes the examination for supervisors or who is exempted from appearing for such examination will be granted a certificate of competency in form 'B' or from 'C' as the case may be.

20. Grant of duplicate certificate- A duplicate of any certificate so granted in pursuance of the notification will be issued on payment of fee of Rs. 20/- and on production of three latest of his photographs subject to the satisfaction of the Secretary as to the identity of the person so requesting.

21. Renewal of certificates of competency- It shall be renewed annually on receipt of competency certificate and treasury challan showing deposit of fee:

Provided that certificate may not be renewed if the application for such renewal is not received within 14 days of expiry of the certificate:

Provided further that after the expiry of this period and within 30 days of expiry of the certificate no application will be entertained unless accompanied with late fee deposit challan in correct head of account:

Provided further that on the expiry of the above periods a certificate will be treated as cancelled and a fee of Rs. 20/- will be charged for the issue of a new certificate.

22. Suspension of withdrawals – Such certificate is liable to be withdrawn if in the opinion of the Board the holder has failed to observe the provisions of Indian Electricity Rules, 1956 or has been guilty of any other malpractice.

IV ELECTRICAL CONTRACTOR'S LICENCE

There shall be three classes of contractors known as "A" class, "B" class and "C" class electrical contractors. Contractors holding 'A' class licence shall be entitled to carry out all types of electrical installation. Contractors holding 'B' class licence shall be entitled to carry out Low Voltage and Medium Voltage wiring works and those of 'C' class can execute Domestic and Commercial Low Voltage wiring.

23. Application for Contractor's Licence- Application for "A" "B" and "C" class contractor shall be made on form "D", "E" and "F" respectively and shall be subject to condition printed thereon.

24. Grant of Licences: (a) An "A" class contractor's License shall be granted in form "G" to a company, firm or person who has the following instruments in his possession and either himself holds a certificate of competency and personally executes all the work undertaken by him or having in his employ a supervisor holding a certificate of competency and under whose direct supervision all work undertaken by him is carried out :-

(i) Indian Standards Institute approved Earth Meggar,

- (ii) Indian Standards Institute approved Insulation Meggar,
- (iii) One Ampere Meter 0-100 Ampere range,
- (iv) One Volt Meter 0-500 Volts range,
- (v) One Line Tester,
- (vi) First Aid Box,

Apart from above his character and antecedents should be got verified through appropriate civil authority.

(b) A "B" class electrical Contractor's licence will be granted in form "H" to a company, firm or a person who has the following testing instruments in his possession and either himself holds a certificate of competency or personally execute work or supervises all the work under-taken by him or has in his employ a supervisor holding a certificate of competency and under whose direct supervision all work undertaken by him is carried out:-

- (i) One Insulation Meggar,
- (ii) One Line Tester.

Apart from above the character and antecedents should be got verified through the appropriate authority.

(c) The contractor who himself is licensed Wiremen can be granted a "C" class contractor's licence in form "I" and he must possess the following instruments:-

- (i) One Indian Standards Institute approved Insulation Meggar.
- (ii) One Line Tester:

Provided that an electrical Contractors Licence will not be granted to any holder of a Certificate of competency while he is in the employ of a firm electrical contractors, a Government organisation or a corporate body.

25. *renewal of Contractor's Licence* – Every contractor's Licence shall be renewable annually, provided that no licence may be renewed unless an application for the purpose is received by the Secretary within 14 days from the date of expiry of the licence and thereafter, a late fee of Rs.15/- shall be charged for a period of 15 days. A licence not renewed will be automatically cancelled and the full initial fee shall be charged for the issue of new licence.

Every application for renewal should be accompanied by the licence in respect of which the application is made, and the treasury receipt for renewal fee.

An electrical contractor shall present his testing instruments for inspection either within 30 days before the expiry of his licence or during the days of grace allowed under rules after the expiry of the licence, or if a late fee of Rs. 15/- for renewal of the licence is paid, within sixteen days of the expiry of the period of the grace.

26. *Grant of Duplicate contractor's Licence*- A duplicate copy of an electrical contractor's licence will be issued on payment of Rs.25/- for "A" class, Rs. 15/- for "B" class and Rs. 10/- for "C" class.

27. Suspension and cancellation-(1) The Board may on the breach by the licence of any of the condition of the licence or any other sufficient cause suspend or cancel any licence.

(2) In the event of cancellation of licenced granted to an electrical contractor for breach of any of the conditions of this licence or any other reason, except licences which stand automatically cancelled for want of renewal in time, an application for the grant of fresh licence shall not be considered unless a period of one year from the date of cancellation of previous licence has expired.

(3) If in the opinion of Electrical Inspector a prima facie case of misconduct and /or gross violation of Indian Electricity Act, 1910 or the rules made there under exists against a contractor the Electrical Inspector may suspend his licence for a period not exceeding six months subject to obtaining formal orders of the board within three month from the date of issue of the orders of suspension of each such licence.

28. Fees- Fees on the scale prescribed below shall be charged:-

(i) Supervisors Examination fee.	Rs. 250/-
(ii) Issuing competency certificate on the result of examination for five years.	Rs. 750/-
(iii) Certificate of candidates who are exempted from Supervisors' examination for five years.	Rs. 750/-
(iv) Duplicate copy of exemption certificate	Rs.100/-
(v) Renewal fee for five years of Supervisor Certificate	Rs.750/-
(vi) <i>Contractor's Licence:</i>	
"A" Class:	
Initial fee for two years.	Rs.4000/-
Renewal fee for two years	Rs.4000/-
"A" Class:	
Initial fee for three years for "B" Class	Rs.3000/-
Renewal fee for three years	Rs3000/-.
"B" Class:	
Initial fee for five years for "C" Class	Rs.2500/-
Renewal fee for five years for "C" Class	Rs.2500/-

N.B.:- All types of fees should be paid into any of Himachal Pradesh treasury/ sub-treasury for credit to the head "043-Taxes and duties on Electricity Fees Payable to Electrical Inspector" and the original copy of challan forwarded to the Secretary along with application for admission to any examination or for any o f the fees to be paid to the Secretary Licensing Board.

V. PERMITS TO WIREMAN

29. Wireman's permit- These permits are intended for wiremen who will be permitted to do the actual wiring work for electrical contractors licensed under rule 45 of the Indian Electricity Rules, 1956 in the State of Himachal Pradesh.

30. Exemption from Wiremen examination-Candidates possessing any of the following qualification may be exempted from appearing in wireman examination:-

- (1) those who have passed the supervisor's examination;
- (2) those who are diploma holders in Electrical Engineering from any recognised Institute;
- (3) those who have passed any examination of an institute recognised by the Board for the purpose.

N.B. The deaf and dumb candidates shall be exempted from taking the oral examination provided they possess four years experiences in electrical wiring and other installation under "A" & "B" licenced electrical Contractor.

31. Qualifications- Candidate for the examination of wireman shall be persons:-

(i) who have worked on wiring and electrical installations work for at least two years under "A" or "B" class contractor, OR

(ii) who have other electrical training and practical experience which are recognised satisfactory by the Board.

32. Dates and place of Examination- The Chairman will in consultation with the Secretary fix the places and the date on which the examination will be held. The places and date so fixed will be advertised in two successive issues of not less than three news papers approved by the Board in this behalf. The advertisement will also specify the dates by which the application permission to appear in the examination must reach the Secretary.

33. Age Limit- Candidate shall not be below 18 years on the date of the examination.

34. Form of application- The application for permission to appear in the examination for wireman shall be made in form "J" and shall be accompanied by a treasury receipt for the prescribed fee along with three copies of recent photographs duly attested and shall be addressed to the Secretary to be received by him by such date as may be fixed in the advertisement. The applications have to be accompanied by true copies of the applicant's testimonials and applicant will produce at the examination original one's.

35. Examination fee not to be refunded- The fees paid by the applicants whose applications for the examination had been accepted shall not in any case be refunded. However, Secretary is competent to relax the provisions and allow him to appear at the next examination if his previous absence was owing to some valid reasons.

36. Unsatisfactory testimonials- No candidate will be admitted to any examination whose testimonials are in the opinion of the Secretary unsatisfactory.

The Original testimonials will be returned to the applicant.

37. Grant of permits- A candidate who passes the prescribed examination of exempted from appearing in the same will be granted permits in form "K".

38. Duplicate permits- A duplicate copy of any permit granted under these conditions will be issued on the payment of fee of Rs. 5/- and on production by the applicant.

39. Withdrawal or suspension- A permit granted under these rules may be withdrawn by the Electrical Inspector to Himachal Pradesh Government if the holder thereof is found guilty of any malpractice or misdemeanor.

40. Examination- The examination will be conducted in pursuance of the Syllabus specified hereinafter. It will consist of practical test of (three hours) carrying 100 marks and oral test of 50 marks. To pass the examination a candidate will have to secure 50 marks in practical 20 marks in oral and 75 marks in aggregate.

41. Syllabus- The following shall be syllabus for Wireman examination:-

Electrical Pressure (Volts).

Electric Current (Ampere).

Power(Watts).

Ohm's Law

Difference between Alternative current and Direct current supply.

Conductors and Insulators.

Use of Standard Wire gauge.

Connection of Volt Meters and Ammeters.

Reading of energy meters.

Simple calculations of Power and Energy.

Testing the Supply for OFF and ON Alternative Current and Direct Current.

Positive and Negative : Live and Dead Conductors.

Various uses of the test lamp and bell.

Connections and diagrams for distribution and fuse board.

Cut-outs, ceiling roses, lamp holders, switches including two way and intermediate.

Wiring on cleats in wood casing, metal sheathed, T.R.S., cab tyre sheathed conduit.

Wiring of fittings of small motors and other domestic appliances.

The installation of electric bells and indicator.

Connections of Alternative Current and Direct Current, fans and regulator; common faults in them and their remedies.

Method of carrying (overhead) bare, lead covered and cab tyre sheathed wires over short distances.

Knowledge of danger points in simple lighting and power installations.

Testing for faults, measuring installation resistance to earth by meggar.

Precaution and methods of treatment in case of person suffering from electric shock.

Making straight and Tee joints in Standard Insulated Wire. Making Britania and Western Union Joints in bare copper wire.

Soldering lugs and wires and cables.

42. Fees- The fees shall be charged as under:-

- (a) Examination Fee Rs. 200/-
- (b) For issue of permit to a candidate exempted form appearing at examination. Rs. 500/-
- (c) For issuing a duplicate permit. Rs. 100/-
- (d) Renewal fee Rs. 500/- (for 5 years)
- (e) Fee for grant of permits to successful candidates. Rs. 500/- (for 5 years)

43. Reciprocal arrangements- Where reciprocal arrangements are made between the Himachal Pradesh Government and any other State the holder of a permit of any other State the holder of a permit of any other State be exempted from appearing at the examination and shall be granted permit after depositing for Rs. 5/-.

44. Renewal of Wiremen permits- Every wireman's permit as granted under these rules would be renewed annually. If such permits for renewal is not received within 14 days of expiry of date of lapse, it may not be renewed unless the application is accompanied with the late fee of Rs. 5/- and also be submitted within 30 days of expiry of permits.

A permit which is not renewed within above period shall be treated as cancelled and a penal fee of Rs. 25/- shall be charged for the issue of a new permit.

Every application for renewal of permit must accompany the copy of original treasury challan showing fees/late fees etc. deposited and the permit which is sought to be renewed.

45. Relaxation- The board is competent to relax the provision of any of the clauses of this notification with such modification in respect of persons already holding a certificate of competency/contractors' licence/Wireman permit.

46. Counter Signatures- The Secretary is authorised to countersign any of the certificates of competency licences and wireman permit as granted by any other State in favour of the candidate in order to validate it for carrying out work within the State of Himachal Pradesh.

By order,

P.K. MATOO,
Secretary (M.P.P. and Power).

No. MPP-F (6)-26/75.

Dated Shimla-171002, the 4th October, 1976.

Copy forwarded to:-

- (1) The Deputy Controller, Printing and Stationery, Himachal Pradesh, Shimla-4, with the request that the above notification may be published in the H.P. Rajpatra (Government Gazette.)
- (2) All the Members of the H.P. Electricity Board, Shimla-171004.
- (3) The Chairman, H.P. State Electricity Board, Shimla-171004.
- (4) The Director of Technical Education, Sundernagar, H.P.

- (5) The Electrical Inspector, Himachal Pradesh Government, Shimla-171001.
 (6) All the Secretaries/Joint Secretaries /Under Secretaries to the Himachal Pradesh Government, Shimla-171002.
 (7) All the Deputy Commissioners in Himachal Pradesh.
 (8) All Heads of Departments in Himachal Pradesh.

Sd/-
Deputy Secretary (M.P.P.) and Power
To the Government of Himachal Pradesh.

FORM "A"
 (Clause 12)

Roll No.....

APPLICATION FOR ADMISSION TO ELECTRICAL SUPERVISOR'S EXAMINATION
(To be filled in English or Hindi or Urdu)

1. Full Name of the Applicant.....
 (to be written in Block letters)
2. Father's Name.....
3. Permanent Address.....
4. Date of birth.....and age.....
 (Authentic proof of the age to be supplied).
5. Details of educational qualification.....
6. Details of technical qualification.....
7. Details of pass and present service experience.....
 (Details of commencement and termination of each appointment to be given).
8. If placed in compartment, state subject or compartment, dates of previous examination and corresponding examination.....
9. Fees Rs.paid in thetreasury, under "043-Taxes and Duties "
vide challan No.....
Dated.....
 (Attach the original treasury receipt with this admission form)
10. Personal Marks of identification (i).....
 (ii).....
11. State clearly the language in which the examination is to be taken *viz.*, English, Hindi, Urdu.....
12. Three attested copies of photographs (passport size) showing name and parentage of candidate on its reverse and duly attested by the Magistrate, Gazetted Officer or a Principal of recognised institute in

Himachal Pradesh to be attached with this form. (Attested copies o testimonials to be submitted along with this application form)

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

Dated

Signature of Candidate

Signed in the presence of

Present address

Dated Signature of Gazetted Officer
with designation with address
or a principal of a recognised
Institute with address.

(to be stated clearly
in block letters)

Form "B"

(Clause 19)

GOVERNMENT OF HIMACHAL PRADESH

**CERTIFICATE OF COMPETENCY ISSUED UNDER RULE 45 OF THE INDIAN
ELECTRICITY RULES, 1956**

.....son ofhaving satisfied the Licensing Board
by passing the prescribed examination for supervisors held on.....is here
by granted this certificate of competency.

Dated.....19 .

*Secretary Licensing Board and
Electrical Inspector to the
Government of Himachal Pradesh.*

FORM "C"

(Clause 19)

**CERTIFICATE OF COMPETENCY ISSUED UNDER RULE 45 OF THE INDIAN
ELECTRICITY RULES, 1956**

.....son ofhaving satisfied the
Licensing Board that his qualifications entitled him to exemption from taking the prescribed
examination for Supervisors, is hereby granted this certificate of competency.

Dated.....19

Secretary,
Licensing Board and
Electrical Inspector to the Government of
Himachal Pradesh.

FORM “D”
(Clause 23)

GOVERNMENT OF HIMACHAL PRADESH

APPLICATION FOR ‘A’ CLASS ELECTRICAL CONTRACTOR’S LICENSE
(to be filled in English or Hindi or Urdu)

Full name and address of the applicant.....
Name of Partners, if any.....if a
contractor’s licence has been previously granted details to be given
Details of certificate held by the applicant and /or partners.....
Name and certificate No. of holder of a certificate of competency on the strength of which the
Contractor’s licence is sought.....Fee paid Rs.200/-.

I/We.....hereby declared that the particulars stated above are correct to
the best of my/our knowledge and that I/we fully understand the terms and conditions under which a
Contractor’s license is granted that a breach of them will render the license liable to suspension or
cancellation.

Dated.....19 .

Signature
Signature of Partners.

Form “E”
(Clause 23)

APPLICATION FOR ‘B’ CLASS ELECTRICAL CONTRACTOR’S LICENCE
(to be filled in English or Hindi or Urdu)

Full Name and address of applicant.....
if a contractor’s license has been previously granted details to be given.....
.....

Name and certificate No. of holder of a certificate of Competency on the strength of which the
contractor’s licence is sought.....Fee paid Rs.100/-.

I/We..... hereby declare that the particulars stated above are correct to the
best of my knowledge and I/We fully understand the terms and conditions under which a “B” class
contractor licence is granted and that a break o f them will render the licence liable to suspension or
cancellation.

Dated.....19 .

Signature.

FORM "F"

(Clause 23)

APPLICATION FOR 'C' CLASS ELECTRICAL CONTRACTOR'S LICENCE

(to be filled in English or Hindi or Urdu)

Full Name and address of applicant.....
if a contractor's license has been previously granted details to be given.....

Name and certificate No. of holder of a certificate of competency on the strength of which the contractor's license is soughtFee paid Rs. 50/-.

I/We.....hereby declare that the particulars stated above are correct to the best of my knowledge and that I/We fully understand the terms and conditions under which a 'C' class contractor's license is granted and that a break of them will render the license liable to suspension or cancellation.

Dated.....19 .

Signature

Form 'G'

[clause 24(a)]

LICENCE TO 'A' CLASS ELECTRICAL CONTRACTOR GRANTED UNDER RULE 45 OF THE INDIAN ELECTRICITY RULES, 1956

Mr/Messars..... is/are hereby licensed to carryout electrical installation work in the Himachal Pradesh Subject to the condition mentioned overleaf.

Dated.....19 .

Secretary ,
Licensing Board
and Electrical Inspector to the
Government of Himachal Pradesh.

Date of renewal

Date expiry

Initials of Secretary Licensing Board ,
H.P.

CONDITIONS

1. This licence authorities, the electrical contractor to whom it is granted to carry out electrical installation work throughout the State of Himachal Pradesh:

Provided that:-

(a) where the electrical contractor conducts his business from one or more than one branch established in a single tehsil he may employ one or more electrical supervisors and be in possession of one or more sets of instruments on the strength of which the licence is granted to him;

(b) where an electrical contractor employing only one supervisor and possessing only one set of instruments conducts his business from more than one branch established in a single tehsil he may not undertake electrical installation works in another tehsil unless:-

(i) he employs an additional supervisor for the work at such other tehsil and is in possession of an additional set of instrument.

OR

(ii) he suspends all works in the tehsil in which his business is normally conducted while the work at such other tehsil is in progress.

2. The electrical contractor shall keep the instrument in good order.

3. The electrical contractor shall at all times, offer all reasonable facilities to the Electrical Inspector to the Government of Himachal Pradesh, or his representative for examining and testing any or all the instruments in his possession.

4. The electrical contractor shall notify to the Secretary Licensing Board appointed by Himachal Pradesh for the purpose of rule 45 of the Indian Electricity Rules, 1956, the names and certificate No./Nos. of the supervisor or supervisors employed by him. The contractor shall also inform the Secretary when a supervisor in his service leaves his service.

5. *Test report*- After the completion of an electrical installations work to which rule 45 of the Indian Electricity Rules, 1956, applies a test report shall be submitted by the licensed electrical contractor to the electric supply undertaking concerned. The test report shall be signed by the supervisor under whose supervision the work has been carried out and countersigned by the licenced electrical contractor.

6. If the electrical contractor is adjudged by the licensing board to be guilty of misconduct, carelessness or any malpractice the board may suspend or cancel his licence.

7. The licensing Board may, if the contractor commits a breach of any of the term o f condition of his licence or for any other sufficient cause suspend or cancel his licence.

8. The Himachal Pradesh Government may if the contractor commits a breach of any of the terms and conditions of his licence or for any other sufficient cause suspend or cancel his licence either on its motion or on the recommendation of licensing board.

9. If in the opinion of the electrical Inspector to the Government, of Himachal Pradesh Prima facie in case of misconduct of/or gross violation of Indian Electricity Act or Indian Electricity Rules, 1956, exists against a contractor, the Electrical Inspector to Government o Himachal Pradesh may suspend the licence of such a contractor, for a period not exceeding three months subject to obtaining formal order of the licensing board within one month from the date of issue of orders of suspension of each such licence.

10. The licence shall be renewable annually and if it is no renewed on due date it shall be automatically cancelled and a full initial fee will be chargeable for issue of a new licence.

11. If the holder or all the holders of a certificate of competency on the strength of whose certificate or certificate this licence has been granted leave the service of the contractor, his licence shall be deemed to have been suspended and will remain suspended until such time as the contactor employs a person holding a certificate of competency.

12. If this licence has been granted to the contractor from the strength of a certificate of competency held by him in his own name, the licence shall stand automatically cancelled in the event of the contractor accepting employment under any other electrical contractor.

13. Supervisors shall not be employed in a part time capacity nor shall they be in the employ of more than one contractor at the same time.

14. *Notice of commencement of work*- Notice of electrical installation work including additions, alteration, repairs and adjustments to the existing installations except such replacement of lamps, fans, fuses, and switches and other components of the installations as in no way alter its capacity or character, shall be given in writing by a licensed electrical contractor to the Electrical Inspector or his assistant with the 48 hours of the commencement of work and simultaneously the suppliers local office informed of it.

15. *Staff of Contractors*-(a) All the wiremen of electrical contractor shall consist of bonafide and whole time wireman holding “A” class permit, granted by the licensing board provided that a contractor may appoint apprentices for training purposes, in which case the total number of apprentices employed by any contractor at any time shall not exceed 50% of his total wiring staff, inclusive of apprentices but exclusive of coolies:

Provided further that the contractor shall not permit such apprentice, to carry out any electrical installation work including additions, alterations, repairs, and adjustment to existing installations covered by rule 45 of the Indian Electricity Rules, 1956, except under the direct supervision of a person holding a certificate of competency and under the guidance of atleast one certified wireman on the premises.

(b) Every contractor shall maintain two registers as prescribed by the Electrical Inspector from time to time, the first being the register of supervisors, wireman and apprentices employed by him and other being the daily attendance register of all supervisors, wireman and apprentices employed by him. The register of the first kind shall be obtained from the Electrical Inspector on payment and shall be open to inspector at any time by that officer or his representative.

(c) No person whose name is not entered in such register shall be considered to be a bonafide employee on the contractors wiring staff.

16. *Installation work to comply with code of practice*- The electrical installation work and fitting in building shall comply with “ the code of practice for electrical work and fitting in buildings “ issued by the “ Indian Standards Institute in the year 1958” Indian Standards Specification No. 732-1958.

FORM ‘H’
[Clause 24 (b)]

LICENCE TO ‘B’ CLASS ELECTRICAL CONTRACTOR.....
RULE 45 OF THE INDIAN ELECTRICAL

Mr/Messrs.....is/are hereby licensed to carry out only the low tension electrical installation work in the State subject to the conditions mentioned overleaf.

Dated.....19 .

Secretary,
Licensing Board and Electrical Inspector
to the Government of Himachal Pradesh.

Date renewal

Date of expiry

Initial of the Secretary Licensing Board

CONDITIONS

1. This license authorizes the electrical contractor to whom it is granted, to carry out medium and low voltage electrical installation work throughout the State of Himachal Pradesh:

Provided that:-

(a) where the electrical contractor conducts his business in more than one branch established in single tehsil he may employ one supervisor and he is in possession of one or more sets of instruments, on the strength of which the licence is granted to him.

(b) where an electrical contractor employing only one supervisor and possessing only one set of instruments conduct his business from one or more than one branch established in a single tehsil he shall not undertake electrical work in another tehsil unless:-

(i) he employs an additional supervisor for the work at such other tehsil and is in possession of an additional set of ; or

(ii) he suspends all works in the tehsil in which his business is normally is conducted while the work at such other tehsil is in progress.

2. The Electrical contractor shall notify to the Secretary of the Licensing Board the name and certificate of supervisor employed by him. The contractor shall also inform the Secretary when a supervisor in his service leaves his service.

3. *Test report*- After the completion of any electrical installation work under rule 45, a test report shall be submitted by the licensed contractor to the electric supply concern duly signed by him, if he himself holds a supervisors certificate or competency, otherwise the test report shall be signed by the supervisor under whose supervision the work has been carried out and will be countersigned by the licensed electrical contractor.

4. If the electrical contractor is adjudged by the licensing board to be guilty of misconduct, carelessness of any malpractice the board may suspend or cancel his licence.

5. Licensing Board may, if the contractor commits a breach of any of terms and conditions of his licence or for any sufficient cause, suspend or cancel his licence.

6. The Himachal Pradesh Government may if a contractor commits breach of any of their terms and conditions or for any other sufficient cause suspend or cancel his licence either on its motion or on the recommendation of the Licensing Board.

7. If in the opinion of Electrical Inspector to Government of Himachal Pradesh a *Prima facie* case of misconduct or gross violation of Indian Electricity Act or Indian Electricity Rules, exists against a contractor the Electrical Inspector may suspend licence of such a contractor for a period not exceeding three months subject to obtaining formal order of the Licensing Board within one month from the date of issue of the orders of each such licence.

8. The licence shall be renewable annually and if it is not renewed on due date it shall be automatically cancelled and the full initial fee will be chargeable for issue of a new licence.

9. If the holder of a certificate of competency on the strength of whose certificate this licence has been granted leaves the services of the contractor the contractor's licence shall be deemed to have been suspended and it shall remain suspended unless the contractor again employs a person holding a certificate of competency.

10. If this licence has been granted to the contractor on the strength of certificate of competency held by him in his own name the licence shall stand automatically cancelled in the event of the contractor accepting employment under any other electrical contractor.

11. Supervisors shall not be employed in a part time capacity nor shall they be in the employ of more than one contractor at one and the same time.

12. *Notice of commencement of work-* Notice of the electrical installation work including additions, alterations repairs and adjustments to existing installation except such replacement of lamps, fans, fuses, switches and other components of the installation as in no way alters its capacity or character, shall be given in writing by the contractor to the electrical inspector or his assistant within 48 hours commencement of such work and simultaneously supplier's local office informed of it.

13. *Instruments to be kept in good order-* The electrical contractor shall keep the instrument in good order.

14. *Facilities for examining and testing to be provided.* The electrical contractor shall at all times offer all reasonable facilities to the Electrical Inspector to Government of Himachal Pradesh or his representative examining and testing any or all the instruments in his possession.

15. *Staff of Contractor:* (a) All the wiremen of the electrical contractor shall consist of bonafide and whole time wiremen holding 'A' or 'B' class, permits granted by the licensing board.

Providing that contractor may, appoint apprentices for training purposes, in which case the total number of apprentices employed by any contractor at any time shall not exceed 50% of his total wiring staff inclusive of apprentices, but exclusive of coolies:

Provided further that the contractor shall not permit such apprentices to carry out any installation of electrical work including additions, alternations, repairs and adjustments to existing installations covered by rule 45 of the Indian Electricity Rule, 1956, except under the direct supervision of a person holding a certificate of competency and under the guidance of at least one certified wireman in the premises.

(b) Every contractor shall maintain two registers as prescribed by the electrical inspector to Himachal Pradesh Government from time to time, the first being the register of supervisors wireman and apprentices employed by him *and the other being the daily attendance register of all supervisors, wiremen and apprentices employed by him.* Register of the first kind shall be contained from the electrical Inspector to the Government of Himachal Pradesh on payment and shall be open to inspection at any time by that officer. Or by his representative.

(c) No person, whose name is not entered in such register, shall be considered to be bonafide employee on the contractor's wiring staff.

16. *Installation work to comply with code of practice-* The electrical installation work and fitting in building shall comply with the "code of practice of Electrical works and fitting in Buildings" issued by the " Indian Standards institute in 1958, Indian Standards Specification No. 732-1958".

FORM-"I"
[See Clause 24(c)]

Licence to 'C' class electrical contractor.....in pursuance of Rule 45 of the Indian Electricity Rules, 1956.

Shri.....is hereby licenced to carry out only the low tension electrical work in the State of Himachal Pradesh subject to the condition mentioned hereunder.

Dated.....19 .

*Secretary,
Licensing Board and Electrical Inspector to the
Government of Himachal Pradesh.*

Date of renewal

Date of expiry

Initial of the Secretary
Licensing Board

CONDITIONS

1. This licence authorizes the electrical contractor, to whom it is generated, to carry out *low voltage electrical installation work throughout the State of Himachal Pradesh* and of the type which does not call for the provisions of an earth connecting by the consumer that is *wiring work of buildings in wooden casing, cleared type sheathed wiring on wooden beton or volcanised India rubber on cleats. In a particular tehsil only.*
2. *Test Report-* After the completion of an electrical installation work under rule 45 of the Indian Electricity Rules, 1956, a test report shall be submitted by a licensed contractor to electric supply undertaking concerned duly signed by him.
3. If the electric contractor is adjudged by the Licensing Board to be guilty of misconduct, carelessness or any malpractice, the Board may suspend or cancel his licence.
4. The licensing board may, if the contractor commits a breach of any of the terms and conditions or for any sufficient cause suspend or cancel his licence.
5. Himachal Pradesh Government may, if the contractor commits a breach of any of their terms and conditions of the licence or for any other sufficient cause, suspend or cancel this licence, either on its own motion or on the recommendation of the Licensing Board.
6. If in the opinion of the Electrical Inspector a Prima facie case of misconduct or gross violation of Indian electricity Act, 1910, or the Indian Electricity Rules, 1956, exists against a contractor the Electrical Inspector may suspend the licence of such a contractor for a period not exceeding three months subject to obtaining formal order of the licensing board within one month from the date of issue of the order of suspension of each licence.
7. Licence shall be renewable annually and if it is not renewed on the due date it shall be automatically be cancelled and full initial fee will be charged for issue of new licence.
8. *Notice of commencement of work-* Notice of the electrical installation work including addition, alteration, repairs and adjustments to existing installations except such replacement of lamps, fans, fuses, switches and other components of the installation as in no way alters its capacity or character shall be given in writing by the contractor to the Electrical Inspector or his assistant of the commencement of such work and simultaneously to the supplier's local office.
9. *Instruments to be kept in good order-* The electrical contractor shall keep the instruments in good order.

10. *Facilities for examining and testing to be provided-* A contractor shall at all times offer all reasonable facilities to the Electrical Inspector or his representative for examining and testing any or all of the instruments in his possession.

11. *Installation work to comply with code of practice.-* The electrical installation work and fitting in buildings shall comply with the “code of practice of electrical work and fittings in buildings” issued by the “ Indian Standards Institute in the year 1958 Indian Standards specification No. 732-1958”.

FORM- ‘J’
(See Clause 34)

**APPLICATION FORM FOR ADMISSION TO ELECTRICAL
WIREMEN’S EXAMINATION**

(TO BE FILLED IN ENGLISH, HINDI OR URDU)

1. Full Name of the applicant
(to be written in block letters)
2. Father’s Name
3. Permanent Address
4. Date of birth..... and Age.....
(Authentic proof of age to be supplied)
5. Details of educational qualification
6. Details of past and present service/
experience licence No.....
date of commencement and termination of
each appointment be given.
7. Whether appeared in previous test, if so
quote your Roll No. with year
8. Fee paid in
treasury *vide* challan No.
date.....under the following
head of account “043-Taxes and Duties
on Electricity-Fees payable to the Electrical
Inspector “attached original treasury challan
with this from.
9. Personal Marks of identification:-
(i)
(ii).....
10. Three attested copies of photographs of pass
port size showing name and parentage of the
candidate on the reverse and duly attested by a

gazetted officer, along with attested copies of testimonials to be submitted with this form.

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

Dated.....19 .

*Signature of the candidate
Present Address:*

Signed in the presence of

(to be stated clearly in block letters)

*Dated signature of gazetted officer
with designation & address.*

FORM 'K'

(See Clause 37)

**PERMIT TO WIREMEN.....
UNDER RULE 45 OF THE INDIAN ELECTRICITY RULES,1956**

The permit in respect of the following wireman is hereby granted/renewed for the wiring works in accordance with rule enforce and conditions granted hereunder.

The permit No. allotted to wireman has been shown against his name.

Dated.....19 .

*Secretary,
Licensing Board and Electrical Inspector to the
Government of Himachal Pradesh.*

Name and address of the permit holder	Date of renewal	Date of expiry	Initial of the Secretary, Licensing Board.
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CONDITIONS

1. This permits authorizes the wireman to whom it is granted to carryout low voltage electrical installations work throughout the state of Himachal Pradesh unless he is in the employment of “A” Class and “B” Class wiring contractor.

2. *Test report:* - After the completion an electrical installation work of the Indian Electricity Rules, 1956 a test report shall be submitted by a licenced contractor through electrical supply undertaking concerned duly signed by him.

3. If the electrical Wireman is adjudged by the licensing board to be guilty of misconduct, carelessness or any malpractice the board may cancel or suspend his permit.

4. The licensing board may if the wireman commits a breach of any of the terms and conditions or for any sufficient cause suspend or cancel his permit.

5. The Government of Himachal Pradesh may, if the wireman commits a breach of any of the terms and conditions of the permit or for any other sufficient cause suspend or cancel this permit, either on its motion or on the recommendation of the licensing board.

6. If in the opinion of the Electrical Inspector, *prima facie* of misconduct or gross violation of Indian electricity Act, 1910 or the Indian Electricity Rules, 1956 exists against a wireman the Electrical Inspector may suspend the permit of such a wireman for a period not exceeding three months subject to obtaining formal orders of the Licensing Board within one month from the date of issue of the order of suspension of each permit.

7. Permit shall be renewable annually and if it is not renewed on the due date it shall automatically be cancelled and the full initial fee will be charged for issue of new permit.

8. *Notice of commencement of work-* Notice of the electrical installation work including, alteration, addition, repair and adjustments to existing installations except such replacement of lamps, fans, fuses, switches and other component of the installation as in no way alter its capacity shall be given in writing by the wireman to the Electrical Inspector or his assistant of the commencement of such work and simultaneously to the supplier’s local office.

9. *Instrument to be kept in good order-* The electrical wireman shall keep the instrument in good order.

10. *Facilities for examining and testing to be provided-* A wireman shall at al times offer all reasonable facilities to Electrical Inspector or his representative examining and testing any or all of the instruments in his possession.

11. *Installation work to comply with code of practice*- The electrical installation work and fitting in buildings shall comply with the “ code of practice of electrical work and fitting in buildings” issued by “ Indian Standards Institute in the year 1958, Indian Standards Specification No. 732 -1958”.

GOVERNMENT OF HIMACHAL PRADESH
MPP & POWER DEPARPTMENT

No. MPP-F(7)-1/2001 dated, Shimla-2, the 12-10-2001

NOTIFICATION

In exercise of the powers conferred by rule 133 of the Indian electricity Rules, 1956, the Governor of Himachal Pradesh is pleased to amend this Department notification No. MPP-F (6)-26/75-II dated 4-10-1976 as under with immediate effect:-

1. Amendment of Para 17. In Para 17, of notification No. MPP-F(6) -26/75-II dated 4-10-1976 (herein-after referred to as “the said notification”), after sub-Para-6, the following shall be added, namely:-

“ All persons who have retired form the service of Himachal Pradesh State Electri-city Board as Assistant Engineer(E) or above and have worked as Junior Engineer/ Assistant Engineer (E) for a minimum period of five years.”

2. Amendment of Para -18 In Para 18 of the said notification. in sub-Para (1). (a) for the existing clause (a), the following shall be substituted, namely;

“(a) The following three written appears each of three hours duration and each carrying 100 marks,
Paper (1) Compulsory- Electrical Theory (Elementary Knowledge)

Paper (II) Optional- Electricity
Utilization to be taken by the candidates
desiring to qualify domestic, industrial
and other installations.

Paper (III) Optional –Mines installation
to be taken up by the candidates desiring
to qualify for electrical installation in mines.

Provided that the paper (III) will be taken
by such candidates who possessed supervisor's
certificate of competency of Himachal Pradesh."

(b) In sub-para (2), for the figures "20"
and figures "40", the figures "40" and "50" shall be
substituted respectively, and

(c) after the provisions of sub-para (4), the following shall
be added, namely;

"(5) The Syllabus for oral and practical
test shall be as under:-

**SYLLABUS FOR PARCACTICLA EXAMINATION
FOR SUPERVISOR CERTIFICATE COMPETENCY.**

(a) (i) Installation including wiring
of various type of switches and starters of A.C. & D.C.
motors, connection starting and reversal of direction of
motors.

(ii) Connections of MCB's, ELCB, installation of
capacitors and wiring of fluorescent tube etc.

(iii) Connections of HPMVL, SVL etc. (25)

(b) Installation of energy meter, ammeter, Voltmeter,
Power factor meter, measurement of current and Voltage
with Tong tester (clip- on meter). (15)

(c) Measurement of earth resistance and Insulation
resistance with the help of various types of instruments.(10)

(d) Jointing of Various types of cables and conductors,
Installation of LT & HT Installations and Hardware
fittings.(10).

(e) Repair of defective appliances such as electric geysers, air coolers. Use of thermostat No. Volt coils, over load relays, N.C. and N.O. contacts in control wiring.

(f) VIVAVOICE

Knowledge of transformers, generators, various type of live materials, source of energy, rectifiers, charging and discharging of lead acid batteries. Use of capacitors.

Various types of protective devices. Laying of underground cables, Knowledge of illumination.

Knowledge of all types of wiring. Location of faults

in domestic appliances. Knowledge of various types of cut out and switches. Knowledge of Indian Electricity Rules. Knowledge of size of cables, conductor and earth conductor for different loads.

(30)".

3. Amendment of Para 21. In para-21 of the said notification, after third proviso the following new proviso shall be added, namely;
"Provided further that the certificate shall be renewed upto the age of 70 years of the holder."

4. Substitution of Para 24. For para 24 of the said notification, the following shall be substituted, namely;

"24 grant of licences,

(a) An 'A' class electrical contractor's Licence shall be granted in form 'G' to a company, firm or person who has the following instruments and books in his possession and either himself holds a certificate of competency and personally executes all the works under taken by him or having in his employ a supervisor holding a certificate of competency and under whose direct supervision all works undertaken by him is carried out. The supervisor of 'A' class electrical contractors(either himself or employee) should have worked at least three years on HT/LT lines for consideration of licenses under any 'A' class electrical contractor, Electricity Board, Electricity Branch of public Works Deptt., Military Engineering service, other departments and in the reputed industry (approved) by the Chief Electrical Inspector) having electrical wiring works including repairs fault location etc. after attaining the supervisor certificate of competency. In the case of Diploma holder he must have one year working experience after getting exemption from electrical supervisor's examination. However, in the case of supervisor having degree in electrical engineering such criteria is not

applicable. Further he engages atleast two wiremen permit holder in his employment.

INSTRUMENTS:

- (i) ISI Approved Earth Tester,
- (ii) ISI Approved Insulation Meggar of 500 Volts,
- (iii) ISI Approved Insulation Meggar of 1000 Volts,
- (iv) ISI Approved Insulation Meggar of 2500 Volts,
- (v) One Ampere meter of 0-100 Amps. range.
- (vi) One Voltmeter 0-500 Volts range,
- (vii) One line tester, and
- (viii) First aid Box.

BOOKS

1. I.S: 732-1963 Code of practice for electrical wiring installations system Voltage not exceeding 650 V.
2. I.S: 3043-1966 Code of practice for Earthing.
3. I.S: 5216-1969 Guide for safety procedure in Electrical works.
4. Indian Electricity Rule, 1956.

(b) 'B' class electrical contractor's Licence will be granted in form 'H' to a company, firm or person who has the following testing instruments and books in his possession and either himself holds a certificate of competency and personally execute work or supervises all the work undertaken by him or has in him employ a supervisor holding a certificate of competency and under whose direct supervision all works undertaken by him is carried out. The Supervisor of 'B' class electrical contractors (either himself/or employees) Amended vide notification No.- MPP-F(7)-1/2001-I dated 08.01.2009. must have two years

working experience under any 'A' class electrical contractor, electricity Board, electricity branch of Public work Department, Military Engineering Service, other departments and in the reputed industry (approved by the Chief Electrical Inspector) having electrical wiring works including repairs and faults location etc. after attaining the supervisor's certificate of competency. In the case of diploma holder he must have one year working experience after getting exemption from Electrical Supervisor's Examination. However, in the case of supervisor having degree in Electrical Engineering such criteria is not applicable. Further he engages atleast one wiremen permit holder in his employment.

INSTRUMENTS:

- (i) ISI Approved Earth Megger.
- (ii) ISI Approved Insulation Megger of 500 Volts.
- (iii) ISI Approved Insulation Megger of 1000 Volts.
- (iv) One Line tester.

BOOKS.

1. I.S.: 732-1963 Code of practice for electrical wiring installations (system voltage not exceeding 650V)
2. I.S.: 3043-1966 Code of practice for earthing.
3. I.S. : 5216-1969 Guide for safety procedure in Electrical Works.
4. Indian Electricity Rules, 1956.

(C) A'C' class electrical contractor's licence will be granted in form 'I' who possesses the following instruments and books:-

“ To Such person who himself is a licence wireman and have passed I.T.I. in Electrician/Wireman Trade and have one year experience after getting wireman permit.”

OR

to such person who himself is a licenced wireman and have passed Matriculation examination and have two years experience after obtaining the wireman permit.

Instruments.

- (i) ISI Approved Insulation Megger of 500 Volts.
- (ii) one line tester.

BOOKS.

1. I.S: 732-1963 Code of practice for electrical wiring installations (system voltage not exceeding 650V)

2. I.S: 5216-1969 Guide for safety procedures in Electrical Works.

3. Indian Electricity Rules, 1956.

Providing that an electrical contractors Licence will not be granted to any holder of a certificate of competency and wireman permit holder while he is in the employ of a firm of electrical contractors, a Govt. organisation or a corporate body.”

5. Amendment of Para 25. In Para-25 of the said notification, after sub-para (3), the following shall be added, namely;

“ An electrical contractor who did not get hi licence renewed upto five years, his licence shall be cancelled.”

6. Substitution of para-31. For para-31 of the said notification, the following shall be substituted, namely;

“31. Qualifications- Candidates for the examinations of wireman shall be persons:-

(i) who have worked on wiring and electrical installations work for atleast two years under ‘A’ or ‘B’ class electrical contractor and have passed Matriculation Examination or equivalent, or

(ii) who have passed Middle Standard examinations and have worked on wiring and electrical installations works for atleast three years under ‘A’ or ‘B’ class electrical contractor.

OR

(iii) who have other electrical training and practical experience which are recognised satisfactory by the Board and have passed Middle standard examination,”

7. Amendment of Para-44 In para -44 of the said notification after sub-para (3), the following shall be added, namely;

“The permits shall be renewed upto the age of 65 years of the holder.”

BY ORDER

Commr.-cum-Secretary (Power) to the
Government of Himachal Pradesh.

No. MPP-F(7)-1/2001 dated: Shimla-2, the 12-10-2001,

Copy forwarded to :-

1. The Controller, Printing & Stationary, H.P. Shimla for publication.
2. The Chairman, H.P. State Electricity Board, Vidyut Bhawan, Shimla-4
3. All the Members of H.P. Electricity Board, Vidyut Bhawan , Shimla-4
4. The Director of Technical Education, Sundernagar, Distt. Mandi .(H.P.).
5. The Chief Electrical Inspector, H.P. Block No. 29, SDA Complex, Kasumpti, Shimla-9 w.r.t. his letter No. HIMVINI/LC-2/Vol-2/96-5039 dated 20.04.2001.
6. All the Secretaries to the Government of Himachal Pradesh, Shimla-2.
7. All the Deputy Commissioners in Himachal Pradesh.
8. All the Heads of Departments in Himachal Pradesh.
9. All Law Officer , Law Deptt. H....Sectt. Shimla-2.

Under Secretary (Power) to the
Government of Himachal Pradesh.

No.HIMVINI/LC-2/2001/

Dated:-

Copy to the Electrical Inspector, H.P. Shimla-I/II/Hamirpur/Mandi

Government of Himachal Pradesh
Department of MPP and Power.

No. MPP-F(7)-1/2001-I dated, Shimla-2, 8th January, 2004

NOTIFICATION

In exercise of the powers conferred by rule 133 of Indian Electricity Rules, 1956, the Governor of Himachal Pradesh is pleased to make the further following amendments in this Department Notification No. MPP-F (6)-26/75-II dated 04 October, 1976 published in Rajpatra Himachal Pradesh dated 26th February, 1977, namely:-

Amendment of Para 24

In para 24 of notification No. MPP-F(6)-26/75-II dated 4th October, 1976, in clause:-

(a) In clause (a) after the words “class electrical contractors” but before the words “ should have worked at least three years”, the brackets and words “(either himself or his employee)” shall be inserted.

(b) In clause (b) after the words “class electrical contractors”, but before the words “must have two years working experience”, the brackets and words “(either himself or his employee)” shall be inserted.

BY ORDER

Addition Chief Secretary (Power) to the
Government of Himachal Pradesh.

Endst. No. As above Dated: Shimla-2, the 8th January , 2004.

Copy forwarded for information and necessary action to:-

1. All Administrative Secretaries to the Government of Himachal Pradesh, Shimla-171002.
2. The Chairman, H.P. State Electricity Board, Vidyut Bhawan, Shimla -171004.
3. All Members, H.P. State Electricity Board, Vidyut Bhawan Shimla-171004.
4. All Heads of the Departments in Himachal Pradesh.
5. All Deputy Commissioners in Himachal Pradesh.
6. The Director of Technical Education Sundernagar, District. Mandi (H.P)
7. The Chief Electrical Inspector, H.P., Block No. 29, SDA Complex, Kasumpti, Shimla-171009.

8. The Controller, Printing and Stationary, H.P. Shimla for publication.
9. All Law Officer, Law Deptt. H.P. Secretariat, Shimla-2.
10. Guard File.

Additional Secretaries (Power) to the
Government of Himachal Pradesh.