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Report on the Administration
of the Indian Electricity
Act, 1910, in the Punjab

For the year 1933.

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E-77
1933

Lahore :

Printed by the Superintendent, Government Printing, Punjab,
1935.

Price : Re. 0-7-0 or 9d.



**Proceedings of the Punjab Government, I. & L. (Electricity)
Department, No. 4095-I. & L. (Elec.), dated Lahore,
the 5th February 1935.**

READ—Report on the Administration of the Indian Electricity Act in the Punjab for the year 1933.

Though the total number of licences remained the same as in the previous year, *viz.*, 23, the electrical development of the province has not been stationary. Thirteen applications for licences were received and were in various stages of consideration. The total installed generating capacity of licensed undertakings excluding the Government Uhl River Hydro-Electric Scheme rose from 17092 K. W. to 19765 K. W., while the total number of units sold rose to approximately 27 $\frac{3}{4}$ millions including 3 $\frac{1}{2}$ millions purchased from the Government Hydro-Electric Department at Amritsar as against approximately 25 $\frac{1}{2}$ millions in the previous year.

2. There were 51 electrical accidents during the year of which 29 affected human life resulting in 15 fatalities. The increase as compared with last year is due to the erection of cross country lines in rural areas where the population did not realise the danger of interference with live conductors. Only two prosecutions were lodged, one of which was successful.

The Electric Inspector and his staff which has been strengthened have had a hard year's work which Government is glad to acknowledge.

ORDER.—Ordered that a copy of the above review be published in the *Punjab Gazette* and be circulated with the report.

Ordered also that a copy be forwarded to the Director of Industries, Punjab, for information, and that copies be forwarded to the Government of India, Department of Industries and Labour.

By order of the Governor in Council,
F. C. BOURNE,
Secretary to Government, Punjab,
Electricity and Industries Departments.

From—Report on the Administration of the Indian Electricity Act
in the Punjab for the year 1934.

During the year the total number of licenses remained the same as in the previous year, viz., 23, the electrical development of the province has not been slackened. The various applications for licenses were received and were in various stages of consideration. The total installed generating capacity of licensed undertakings excluding the Government Electricity Scheme rose from 17,000 K. W. to 18,700 K. W. While the total number of units sold rose to approximately 2,000 million including 25 million purchased from the Government Electricity Department at Delhi. It is again approximately 25 million in the previous year.

There were 21 electrical accidents during the year of which 23 caused human life resulting in 12 fatalities. The increase in accidents during the year is due to the increase in cross country lines and the danger of interference with live conductors. Only two prosecutions were lodged, one of which was successful.

The Electric Inspector and his staff which has been strengthened have had a hard year's work which Government is endeavouring to acknowledge.

Ordered—Ordered that a copy of the above report be published in the Punjab Gazette and be circulated with the report.

Ordered also that a copy be forwarded to the Director of Industries, Punjab for information, and that copies be forwarded to the Government of India, Department of Industries and Labour.

By order of the Governor in Council,
E. O. BOLLING,
Secretary to Government Punjab,
Electricity and Industries Department.

Report on the administration of the Indian Electricity Act, 1910, in the Punjab for the year 1933.

THE total number of licences held in the Punjab under the Indian Electricity Act during the year under report was the same as in the previous year, *viz.*, 23. The electrical development, however, continued to be steady and the desire for electrification was as keen as before. The total installed generating capacity of the licensed undertakings was 19,765 K.-W. and the total number of units sold by such undertakings, approximately 27 $\frac{3}{4}$ millions as against 25 $\frac{1}{2}$ millions during the previous year. Two hundred and thirty-nine medium pressure installations were connected to licensees' mains during the year.

2. *Applications for the grant of licences.*—Thirteen applications were received during the year for the grant of licences for the supply of electric energy at the places mentioned below:—

<i>Name of place.</i>	<i>Name of applicant.</i>
1. Moga	... The Moga Electric Supply Company, Limited, Lahore.
2. Abohar	... Messrs. B. R. Herman and Mohatta, Limited, Karachi.
3. Abohar, Fazilka, Muksar and Sirsa.	The Lahore Electric Supply Company, Limited, Lahore.
4. Fazilka	... Diwan Harbhagwan Nanda and Company, Lahore.
5. Murree	.. The Murree Electric Supply Company, Limited, Lahore.
6. Panipat	... (1) The Panipat Electric Supply Company, Limited, Lahore. (2) Messrs. C. A. Sumair and Company, Delhi.
7. Wazirabad-Nizamabad.	Messrs. B. R. Herman and Mohatta, Limited, Karachi.
8. Wazirabad	... Diwan Harbhagwan Nanda and Company, Lahore.
9. Karnal, Panipat, Sonapat and Kaithal.	The Lahore Electric Supply Company, Limited, Lahore.
10. Karnal	... The Goela Electric Company, Ambala.
11. Okara	... The Okara Electric Supply Company, Lahore.
12. Hafizabad	... The Hafizabad Electric Supply Company, Lahore.

Of the foregoing applications, those for Wazirabad, Fazilka and Hafizabad were received in the last quarter of the year and the statutory period for the receipt of objections concerning them had not expired when the year closed.

The undermentioned three applications for the grant of licences were pending from the previous year :—

- For Moga—by the Ludhiana Electric Company, Ludhiana.
- For Okara—by Messrs. B. R. Herman and Mohatta, Limited, Karachi.
- For Rohtak—by the Lahore Electric Supply Company, Limited, Lahore.

No fresh licence was granted during the year as the applications for new licences were either incomplete in some detail or were otherwise not ripe for orders.

The transfer of the Hoshiarpur Electric Licence, 1930, to the newly constituted Hoshiarpur Electricity Supply Company, was sanctioned during the year.

3. *Applications for the amendment of electric licences.*— Applications for the amendment of the undermentioned licences were received during the year :—

- (a) The Hissar, Hansi, Bhiwani and Rohtak Electric Licence, 1932.
- (b) The Rawalpindi Electric Licence, 1923.

Five applications, for the amendment of—

1. The Hissar, Hansi, Bhiwani and Rohtak Electric Licence, 1932,
2. The Hissar Electric Licence, 1932,
3. The Bhiwani Electric Licence, 1932,
4. The Hansi Electric Licence, 1932,
5. The Punjab District Electric Licence, 1932,

which were pending from last year, were sanctioned during the year. The other two applications were still under consideration when the year closed.

4. *Applications under section 27 of the Indian Electricity Act.*— Authority was given under section 27 of the Act to the Gujranwala Electric Supply Company, Limited, for the supply of energy to 5 residents of Gharjakh, a village outside their area of supply.

The application of the Hoshiarpur Electricity Supply Company to supply electric energy to 4 residents of village Fatehgarh outside their area of supply was under consideration at the close of the year.

5. *Application under section 28 of the Indian Electricity Act.*—An application for the grant of sanction under section 28 for the supply of electrical energy at Gujarkhan, received from Messrs. S. K. Jolly & Company, Lahore, was under consideration when the year closed.

6. *Conditions of supply.*—Draft conditions of supply in respect of Gujranwala were received in July 1933. The views of the local bodies concerned have been invited thereon. They are still awaited.

Draft conditions of supply received in respect of Jhelum and Simla are still under correspondence with the licensees in connection with certain minor details.

7. *Statements of accounts.*—The undermentioned licensees were exempted by Government from the submission of statements of accounts for the year 1932-33 :—

Municipal Committee, Campbellpur, in respect of —

The Campbellpur Electric Licence, 1931.

The Lahore Electric Supply Company, Limited, in respect of —

The Hissar, Hansi, Bhiwani and Rohtak Electric Licence, 1932.

The Hissar Electric Licence, 1932.

The Hansi Electric Licence, 1932.

The Bhiwani Electric Licence, 1932.

The Punjab Traders, Lahore, in respect of —

The Ambala City Electric Licence, 1932.

The Punjab Electric Power Company, Limited, in respect of —

The Gujrat Electric Licence, 1931.

The Cantonment Board, Ambala, did not submit any statements of accounts in respect of the Ambala Cantonment Electric Licence, 1926. The statements of accounts from other licensees were received in time and were generally found to be in order.

8. *Revision of maxima rates.*—The question of the revision of maxima rates under the Lahore Electric Licence, 1912, as amended, 1927, was referred to the Electricity Advisory Board,

Punjab, for enquiry and advice. The Board's report was awaited when the year closed.

9. *Accidents.*— Fifty-one electrical accidents occurred during the year as against 15 last year. A statement showing details of the accidents is appended at the end of the report. In the case of 20 accidents no injury was caused to human or animal life. In 2 cases animals died of electric shock. Twenty-nine accidents affected human life. Of them 15 proved fatal. The increase in the number of accidents is due to the rapid development of the electrical industry. The erection of cross-country lines through rural areas, the population of which has not yet fully realised the dangers, is responsible for the major portion of the accidents. Each electrical accident was carefully enquired into and suitable action taken where necessary.

10. *Prosecutions.*— Two prosecutions were lodged during the year for breaches of rule 62 (3) of the Indian Electricity Rules, 1922. One resulted in conviction.

11. (a) *Electric Inspector's Inspections.*— Five hundred and seventy inspections were carried out by the Electric Inspector and his Assistants as against 446 during the previous year. Of these 93 were in connection with the works of the Public Works Department, Electricity Branch.

(b) *Earth tests.*— Two hundred and seventy earth tests were carried out during the year, and faulty earths were brought to the notice of the licensees and others concerned for rectification.

(c) *Meter tests.*— Nine disputed meters and 16 meters for certification were tested during the year. Four disputes were decided by the Electric Inspector under section 26 of the Act and in two cases energy consumption was estimated. Administrative approval has been given by Government to the purchase of the much-needed testing instruments for the Electric Inspector's Laboratory.

(d) *Appeals.*— The Lahore Electric Supply Company, Limited, appealed twice to the Electric Inspector under section 13 (1) (b) of the Act against an objection raised by the Municipal Committee, Bhiwani. The first appeal was time-barred and in the second the decision was given in favour of the licensee.

(e) *Approval to methods of construction.*— The Electric Inspector scrutinised and gave approval, with suitable modifications, to the methods of construction in the following cases:—

(i) To the erection of a two-circuit feeder line by the Hoshiarpur Electricity Supply Company.

(ii) To the erection of the aerial distribution system by the Sargodha Electric Supply Company, Limited.

(iii) To the undermentioned works of the Public Works Department, Electricity Branch :—

(a) Construction of 33 K. V. Branch lines, 11 K. V. and 400 volts local distribution lines and service connections.

(b) General design of railway crossings for the local distribution system.

(c) Construction of aerial lines and service connections.

(iv) Erection of aerial lines in Hansi, Hissar and Bhiwani by the Lahore Electric Supply Company, Limited.

(v) Designs of the overhead transmission and distribution system of the Ambala Electric Supply undertaking by the Punjab Traders.

(vi) Designs of aerial systems of the Punjab Electric Power Company, Limited.

(vii) Construction of 2 new feeders by the Jullundur Electric Supply Company, Limited.

13. *Clause VI of the Schedule to the Act.*—Permission was given to the Cantonment Board, Ambala, to refuse new connections for unrestricted-hour supply for 6 months to enable the licensee to augment the distribution mains.

14. *Development of electrical undertakings in the Punjab, Lahore.*—The Lahore Electric Supply Company, Limited, energised their new G. O. R. Sub-station. Longitudinal earth wires were installed on several aerial lines as ordered by the Electric Inspector.

Sargodha.—The licensee commenced the supply of energy during the year. The system was inspected three times by the Electric Inspector before permission was given to energise.

Amritsar.—The licensee erected a new line to the Khalsa College during the year. The bulk supply was changed over from the Lahore Electric Supply Company's Power Station to the Government Hydro-Electric System.

Campbellpur.—The work of the overhead system of the Municipal Committee was completed and the supply of energy to the public was commenced during the year.

Simla.—The licensee had under consideration a proposal to erect a new sub-station for serving the Kaithu area. The Municipal Committee decided to take over the Government Power House. The question of increasing the capacity of the plant was under investigation.

Shahdara.—All the compulsory works were completed by the licensee.

Electricity Branch—During the year supply was made available at Gurdaspur, Kasur, Ferozepore, Bata'a, Nankana Sahib, Sheikhpura, Chuharkara, Pathankot and Dinanagar.

16. *General*—The staff of the Electric Inspector was strengthened during the year. Mr. Milne and his Assistants had a hard year's work which was performed satisfactorily.

LAHORE : } RAM LAL,
Dated the 16th March 1934. } Director of Industries, Punjab.

Statement showing accidents which occurred during the years
1932 and 1933.

Nature of accidents.	NUMBER OF ACCIDENTS WHICH OCCURRED IN	
	1932	1933
(i) Accidents resulting in death to human beings from electric shock (authorised persons).	2	2
(ii) Accidents resulting in death to human beings from electric shock (unauthorised persons).	4	11
(iii) Accidents resulting in death to human beings from falls from poles or buildings (authorised persons).	...	1
(iv) Accidents resulting in death to human beings from falls from poles or buildings (unauthorised persons).	1	1
(v) Accidents resulting in death to animals from electric shock.	...	2
(vi) Accidents resulting in injuries to human beings from electric shock (authorised persons).	4	7
(vii) Accidents resulting in injuries to human beings from electric shock (unauthorised persons).	3	7
(viii) Accidents to licensees' works caused through falling of trees and other objects.	1	20
Total	...	51

