

PART- V

TRANSMISSION OF ELECTRICITY

Inter-State transmission

Inter-State,
regional and Inter-
Regional
transmission.

25. For the purposes of this Part, the Central Government may, make region- wise demarcation of the country, and, from time to time, make such modifications therein as it may consider necessary for the efficient, economical and integrated transmission and supply of electricity, and in particular to facilitate voluntary inter-connections and co-ordination of facilities for the inter-State, regional and inter-regional generation and transmission of electricity.

National Load
Despatch Centre.

26. (1) The Central Government may establish a centre at the national level, to be known as the National Load Despatch Centre for optimum scheduling and despatch of electricity among the Regional Load Despatch Centres.

(2) The constitution and functions of the National Load Despatch Centre shall be such as may be prescribed by the Central Government:

Provided that the National Load Despatch Centre shall not engage in the business of trading in electricity.

(3) The National Load Despatch Centre shall be operated by a Government company or any authority or corporation established or constituted by or under any Central Act, as may be notified by the Central Government.

Constitution of
Regional Load
Despatch Centre.

27. (1) The Central Government shall establish a centre for each region to be known as the Regional Load Despatch Centre having territorial jurisdiction as determined by the Central Government in accordance with section 25 for the purposes of exercising the powers and discharging the power and discharging the functions under this Part.

(2) The Regional Load Despatch Centre shall be operated by a Government Company or any authority or corporation established or constituted by or under any Central Act, as may be notified by the Central Government:

Provided that until a Government company or authority or corporation referred to in this sub-section is notified by the Central Government, the Central Transmission Utility shall operate the Regional Load Despatch Centre:

Provided further that no Regional Load Despatch Centre shall engage in the business of generation of electricity or trading in electricity.

28. (1) The Regional Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in the concerned region.

Functions of
Regional Load
Despatch Centre.

(2) The Regional Load Despatch Centre shall comply with such principles, guidelines and methodologies in respect of the wheeling and optimum scheduling and despatch of electricity as the Central Commission may specify in the Grid Code.

(3) The Regional Load Despatch Centre shall -

(a) be responsible for optimum scheduling and despatch of electricity within the region, in accordance with the contracts entered into with the licensees or the generating companies operating in the region;

(b) monitor grid operations;

(c) keep accounts of the quantity of electricity transmitted through the regional grid.

regional grid;

(d) exercise supervision and control over the inter-State transmission system; and

(e) be responsible for carrying out real time operations for grid control and despatch of electricity within the region through secure and economic operation of the regional grid in accordance with the Grid Standards and the Grid Code.

(4) The Regional Load Despatch Centre may levy and collect such fee and charges from the generating companies or licensees engaged in inter-State transmission of electricity as may be specified by the Central Commission.

29. (1) The Regional Load Despatch Centre may give such directions and exercise such supervision and control as may be required for ensuring stability of grid operations and for achieving the maximum economy and efficiency in the operation of the power system in the region under its control.

Compliance of directions.

(2) Every licensee, generating company, generating station, sub-station and any other person connected with the operation of the power system shall comply with the direction issued by the Regional Load Despatch Centres under sub-section (1).

(3) All directions issued by the Regional Load Despatch Centres to any transmission licensee of State transmission lines or any other licensee of the State or generating company (other than those connected to inter State transmission system) or sub-station in the State shall be issued through the State Load Despatch Centre and the State Load Despatch Centres shall ensure that such directions are duly complied with the licensee or generating company or sub-station.

(4) The Regional Power Committee in the region may, from time to time, agree on matters concerning the stability and smooth operation of the integrated grid and economy and efficiency in the operation of the power system in that region.

(5) If any dispute arises with reference to the quality of electricity or safe, secure and integrated operation of the regional grid or in relation to any direction given under sub-section (1), it shall be referred to the Central Commission for decision :

Provided that pending the decision of the Central Commission, the directions of the Regional Load Despatch Centre shall be complied with by the State Load Despatch Centre or the licensee or the generating company, as the case may be.

(6) If any licensee, generating company or any other person fails to comply with the directions issued under sub-section (2) or sub-section (3), he shall be liable to penalty not exceeding rupees fifteen lacs.

Intra-State transmission

30. The State Commission shall facilitate and promote transmission, wheeling and inter-connection arrangements within its territorial jurisdiction for the transmission and supply of electricity by economical and efficient utilisation of the electricity.

31. (1) The State Government shall establish a Centre to be known as the State Load Despatch Centre for the purposes of exercising the powers and discharging the functions under this Part.

Transmission within a State

(2) The State Load Despatch Centre shall be operated by a Government company or any authority or corporation established or constituted by or under any

company or any authority or corporation established or constituted by or under any State Act, as may be notified by the State Government.

Constitution of
State Load
Despatch Centres

Provided that until a Government company or any authority or corporation is notified by the State Government, the State Transmission Utility shall operate the State Load Despatch Centre:

Provided further that no State Load Despatch Centre shall engage in the business of trading in electricity.

32. (1) The State Load Despatch Centre shall be the apex body to ensure integrated operation of the power system in a State.

(2) The State Load Despatch Centre shall -

(a) be responsible for optimum scheduling and despatch of electricity within a State, in accordance with the contracts entered into with the licensees or the generating companies operating in that State;

Functions of State
Load Despatch
Centres

(b) monitor grid operations;

(c) keep accounts of the quantity of electricity transmitted through the State grid;

(d) exercise supervision and control over the intra-state transmission system; and

(e) be responsible for carrying out real time operations for grid control and despatch of electricity within the State through secure and economic operation of the State grid in accordance with the Grid Standards and the State Grid Code.

(3) The State Load Despatch Centre may levy and collect such fee and charges from the generating companies and licensees engaged in intra-State transmission of electricity as may be specified by the State Commission.

33. (1) The State Load Despatch Centre in a State may give such directions and exercise such supervision and control as may be required for ensuring the integrated grid operations and for achieving the maximum economy and efficiency in the operation of power system in that State.

(2) Every licensee, generating company, generating station, sub-station and any other person connected with the operation of the power system shall comply with the direction issued by the State Load Despatch Centre under sub-section (1).

(3) The State Load Despatch Centre shall comply with the directions of the Regional Load Despatch Centre.

Compliance of
directions

(4) If any dispute arises with reference to the quality of electricity or safe, secure and integrated operation of the State grid or in relation to any direction given under sub-section (1), it shall be referred to the State Commission for decision:

Provided that pending the decision of the State Commission, the direction of the State Load Despatch Centre shall be complied with by the licensee or generating company.

(5) If any licensee, generating company or any other person fails to comply with the directions issued under sub-section(1), he shall be liable to penalty not exceeding rupees five lacs.

Other provisions relating to transmission

34. Every transmission licensee shall comply with such technical standards, of operation and maintenance of transmission lines, in accordance with the Grid Standards, as may be specified by the Authority.

35. The Appropriate Commission may, on an application by any licensee, by order require any other licensee owning or operating intervening transmission facilities to provide the use of such facilities to the extent of surplus capacity available with such licensee.

Provided that any dispute regarding the extent of surplus capacity available with the licensee, shall be adjudicated upon by the Appropriate Commission.

36. (1) Every licensee shall, on an order made under section 35, provided his intervening transmission facilities at rates, charges and terms and conditions as may be mutually agreed upon :

Grid Standards

Provided that the Appropriate Commission may specify rates, charges and terms and conditions if these cannot be mutually agreed upon by the licensees.

Intervening transmission facilities.

(2) The rates, charges and terms and conditions referred to in sub-section (1) shall be fair and reasonable, and may be allocated in proportion to the use of such facilities.

Explanation. - For the purposes of section 35 and 36, the expression "intervening transmission facilities" means the electric lines owned or operated by a licensee where such electric lines can be utilised for transmitting electricity for and on behalf of another licensee at his request and on payment of a tariff or charge.

Charges for intervening transmission facilities.

37. The Appropriate Government may issue directions to the Regional Load Despatch Centres or State Load Despatch Centres, as the case may be, to take such measures as may be necessary for maintaining smooth and stable transmission and supply of electricity to any region or State.

38. (1) The Central Government may notify any Government company as the Central Transmission Utility:

Provided that the Central Transmission Utility shall not engage in the business of generation of electricity or trading in electricity:

Provided further that, the Central Government may transfer, and vest any property, interest in property, rights and liabilities connected with, and personnel involved in transmission of electricity of such Central Transmission Utility, to a company or companies to be incorporated under the Companies Act, 1956 to function as a transmission licensee, through a transfer scheme to be effected in the manner specified under Part XIII and such company or companies shall be deemed to be transmission licensees under this Act.

Direction by appropriate Government.

(2) The functions of the Central Transmission Utility shall be -

(a) to undertake transmission of electricity through inter-State transmission system;

Central Transmission Utility and functions.

(b) to discharge all functions of planning and co-ordination relating to inter-state transmission system with -

(i) State Transmission Utilities;

(ii) Central Government;

(iii) State Governments;

(iv) generating companies;

(v) Regional Power Committees;

(vi) Authority;

(vii) licensees;

(viii) any other person notified by the Central Government in this behalf;

(c) to ensure development of an efficient, co-ordinated and economical system of inter-State transmission lines for smooth flow of electricity from generating stations to the load centres;

(d) to provide non-discriminatory open access to its transmission system for use by-

(i) any licensee or generating company on payment of the transmission charges; or

(ii) any consumer as and when such open access is provided by the State Commission under sub-section (2) of section 42, on payment of the transmission charges and a surcharge thereon, as may be specified by the Central Commission:

Provided that such surcharge shall be utilised for the purpose of meeting the requirement of current level cross-subsidy:

Provided further that such surcharge and cross subsidies shall be progressively reduced and eliminated in the manner as may be specified by the Central Commission:

Provided also that such surcharge may be levied till such time the cross subsidies are not eliminated:

Provided also that the manner of payment and utilisation of the surcharge shall be specified by the Central Commission:

Provided also that such surcharge shall not be leviable in case open access is provided to a person who has established a captive generating plant for carrying the electricity to the destination of his own use.

39. (1) The State Government may notify the Board or a Government company as the State Transmission Utility:

Provided that the State Transmission Utility shall not engage in the business of trading in electricity:

Provided further that the State Government may transfer, and vest any property, interest in property, rights and liabilities connected with, and personnel involved in transmission of electricity, of such State Transmission Utility, to a company or companies to be incorporated under the Companies Act, 1956 to function as transmission licensee through a transfer scheme to be effected in the manner specified under Part XIII and such company or companies shall be deemed to be transmission licensees under this Act.

State Transmission
Utility and functions

- (2) The functions of the State Transmission Utility shall be -
- (a) to undertake transmission of electricity through intra-State transmission system;
 - (b) to discharge all functions of planning and co-ordination relating to intra-state transmission system with -
 - (i) Central Transmission Utility;
 - (ii) State Governments;
 - (iii) generating companies;
 - (iv) Regional Power Committees;
 - (v) Authority;
 - (vi) licensees;
 - (vii) any other person notified by the State Government in this behalf;
 - (c) to ensure development of an efficient, co-ordinated and economical system of intra-State transmission lines for smooth flow of electricity from a generating station to the load centres;
 - (d) to provide non-discriminatory open access to its transmission system for use by-
 - (i) any licensee or generating company on payment of the transmission charges ;
or
 - (ii) any consumer as and when such open access is provided by the State Commission under sub-section (2) of section 42, on payment of the transmission charges and a surcharge thereon, as may be specified by the State Commission:

Provided that such surcharge shall be utilised for the purpose of meeting the requirement of current level cross-subsidy:

Provided further that such surcharge and cross subsidies shall be progressively reduced and eliminated in the manner as may be specified by the State Commission:

Provided also that such surcharge may be levied till such time the cross subsidies are not eliminated:

Provided also that the manner of payment and utilisation of the surcharge shall be specified by the State Commission.

Provided also that such surcharge shall not be leviable in case open access is provided to a person who has established a captive generating plant for carrying the electricity to the destination of his own use.

40. It shall be the duty of a transmission licensee -

- (a) to build, maintain and operate an efficient, co-ordinated and economical inter-State transmission system or intra-State transmission system, as the case may be;
- (b) to comply with the directions of the Regional Load Despatch Centre and the State Load Despatch Centre as the may be;

(c) to provide non-discriminatory open access to its transmission system for use by-

(i) any licensee or generating company on payment of the transmission charges; or

(ii) any consumer as and when such open access is provided by the State Commission under sub-section (2) of section 42, on payment of the transmission charges and a surcharge thereon, as may be specified by the State Commission:

Provided that such surcharge shall be utilised for the purpose of meeting the requirement of current level cross-subsidy:

Provided further that such surcharge and cross subsidies shall be progressively reduced and eliminated in the manner as may be specified by the Appropriate Commission:

Provided also that such surcharge may be levied till such time the cross subsidies are not eliminated:

Duties of
Transmission
licensees

Provided also that the manner of payment and utilisation of the surcharge shall be specified by the Appropriate Commission:

Provided also that such surcharge shall not be leviable in case open access is provided to a person who has established a captive generating plant for carrying the electricity to the destination of his own use.

41. A transmission licensee may, with prior intimation to the Appropriate Commission, engage in any business for optimum utilisation of its assets:

Provided that a proportion of the revenues derived from such business shall, as may be specified by the Appropriate Commission, be utilised for reducing its charges for transmission and wheeling:

Provided further that the transmission licensee shall maintain separate accounts for each such business undertaking to ensure that transmission business neither subsidies in any way such business undertaking nor encumbers its transmission assets in any way to support such business:

Provided also that no transmission licensee shall enter into any contract or otherwise engage in the business to in trading electricity :

Other business of
Transmission
Licensee