

TAMIL NADU ELECTRICITY REGULATORY COMMISSION

Draft Notification No. TNERC/DC/8- dated .08.2020.

(Comments invited by 09.11.2020)

- 1. The following draft of the amendments to the Tamil Nadu Electricity Distribution Code, which it is proposed to make in exercise of the powers conferred by section 181 read with section 46 of the Electricity Act, 2003 (Central Act 36 of 2003) and all other powers enabling it in this behalf, is hereby published for information of all persons likely to be affected thereby, as required by sub section (3) of section 181 of the said Act.
- 2. Notice is hereby given that the draft amendments will be taken into consideration after expiry of thirty days from the date of publication of this Notification in the TNERC website and that any objection or suggestion, which may be received from any person before the expiry of the aforesaid period will be considered by the Commission.
- 3. Objection or suggestion, if any, should be addressed in duplicate alongwith a soft copy to the Secretary, Tamil Nadu Electricity Regulatory Commission, 4th Floor, SIDCO Corporate Office Building, Thiru Vi Ka Industrial Estate, Guindy, Chennai-600032 (email id-tnerc@nic.in)

AMENDMENTS

In the said Distribution Code, -

- 1. in regulation 2, after clause (a), the following clause shall be inserted, namely:-
- "(aa) "Authority" means the Central Electricity Authority referred to in sub section (1) of section 70 of Electricity Act 2003";
 - 2. in regulation 27-(a) for sub-regulation (3) and entries relating

thereto, the following regulation and entries relating thereto shall be substituted, namely:-

"(3) The application for HT service connection shall be in FORM-4. Application for LT service connection (other than Temporary supply, Agriculture and Hut), Temporary service connection, LT Agriculture service connection and LT Hut service connection shall be in FORM - 1, 1A, 2 and 3 respectively.

(b) after sub-regulation 11, the following sub-regulations and entries relating thereto shall be added , namely:-

- "(11-A) Where the requisition for supply is for a multi- storeyed building, the applicant shall enclose the planning permission with the application. The Licensee shall verify the height of the building from the planning permission enclosed by the applicant. Physical measurement is not necessary. If the height of the multi- storeyed building is more than 15 meters as given in the planning permission, necessary approval from the Electrical Inspector in compliance with CEA (Measures relating to Safety and Electric Supply) Regulations 2010, shall be furnished by the applicant.
- (11-B) (i) Every electrical installation of low voltage of single phase with 240V and medium voltage of three phase / four wire system with 415V shall be controlled by a Residual Current operated Device (RCD), whose rated residual operating current shall not exceed 30 milliampere for protection against electric shock, so as to disconnect the supply on the occurrence of earth fault or leakage of current.
- (ii) In the case of installations having large number of motors, equipment, appliances of loads totalling above 10 kW, one common RCD at the point of commencement of supply with rated residual operating current of 300 milliampere for protection against electrical fire shall be provided, in addition to RCD of not exceeding 30 milliampere rating for protection against electric shock.
- (iii) An installation, where there are a large number of loads giving rise to a sum of permissible leakage currents exceeding 30 milliampere, shall be subdivided into circuits to avoid nuisance tripping and each sub-divided circuit shall be provided with an independent RCD with leakage current sensitivity rating not exceeding 30 milliampere at appropriate location.

Explanation - RCD is a generic term which covers the various types of RCCBs, RCBOs etc. Residual Current operated Circuit Breaker (RCCB), Residual Current operated Circuit Breaker with integral Overcurrent protection (RCBO). RCCB is also called as RCB for convenience (RCCB/RCB) The term earth leakage circuit breaker (ELCB) is not used in Standards.

3. in regulation 29, (a) for sub-regulations (11) and (12), the following regulation and entries relating thereto shall be substituted, namely:-

- "(11) In storeyed building and for any building / premises requiring LT service connection(s) having either (a) total floor area of 900 square meter and above (excluding the stilt floor / basement floor) or (b) the total demand of all the LT services in the building exceeds 112kW, sufficient space shall be made available free of cost to the Licensee for installing transformers, switchgears etc., as stated below:
- (a) an electrical room with RCC roof having clear floor area 6 meters x 4 meters with a vertical clearance of 2.75 meters with locking facility, exhaust fans and adequate size of cable duct, shall be provided at the ground floor within the consumer premises of storeyed buildings nearer to the main entrance for installing floor mounted distribution transformer and associated switchgear (or)
- (b) a clear space of 10 metre x 4 metre or 5 metre x 5 metre open to the sky for double pole structure or 4meter x 4 meter open to sky for single pole structure according to site and load conditions, shall be provided within the consumer premises preferably at the main entrance for installing structure mounted or plinth/concrete pillar mounted distribution transformer and associated switchgears. In case of concrete/plinth mounted arrangment, such mounting arrangement shall be carried out by the applicant at his cost."
- (12) (a) Space as per the following norms shall be allotted by the applicant free of cost for establishment of a sub-station/switching station in places requiring service connections (except industrial service connections other than IT related purposes) where either (a) the total demand of all the electrical services in the projects including the loads that will be incident in the near future exceeds /would exceed 5 MVA or

(b) total floor area of 30,000 square meters and above is constructed or proposed to be constructed (excluding the stilt floor / basement floor).

(b) The requirement of land for establishment of sub-stations shall be the minimum limit with configuration given below:

| Voltage | Land Requirement in Sq.mts. | | | | |
|--------------------------|---------------------------------|--|--|--|--|
| level of the sub-station | Normal sub-station | Compact sub-station | | | |
| 33 kV sub- station | 1520 (indoor) 3160 (outdoor) | 400 (size of 20x20 or 10x40 with approaches on any two adjacent sides) | | | |
| 110 kV sub- station | 4000 (outdoor) | 1050 | | | |
| 230 kV sub- station | 16000(outdoor) | 1750 | | | |

Further, when the developers/owners of the premises apply for additional load / develops additional constructions in phases etc., the above requirement of space for establishment of sub-station shall be applicable for the total load or total area of construction that includes both the existing and additional load / area of construction.

- (c). The area earmarked for establishment of Substation shall be specifically shown in the plan including the areas of constructions and other amenities of the premises along with plot development if any for the future and furnished to the Distribution Licensee by the developers/owners at the time of applying for temporary service connection for construction purposes.
- (d). Where the total demand exceeds /would exceed 5 MVA or the total floor area of 30,000 square meters and above is constructed or proposed to be constructed (excluding the stilt floor / basement floor), the applicant

shall allot the land suitable for establishing a conventional outdoor Air Insulated Switchgear (AIS) sub-station. In case the applicant chooses to opt for allotting land suitable for compact sub-station, etc., other than conventional outdoor AIS sub-station, the applicant shall bear the difference in cost between the Compact Sub-Station and the conventional outdoor AIS Sub-Station. The applicant has to allot the land for establishment of sub-station commensurate with the demand applied or the demand assessed by the licensee, whichever is higher.

(e). The Licensee may consider establishment of sub stations operating at various voltage levels commensurate with the demand as below, in the space provided by the applicants:

| Total demand | Voltage level of the sub | | |
|---------------------------------------|--------------------------|--|--|
| Total acmenta | station | | |
| Exceeding 5 MVA but not above 10 MVA | 33 kV | | |
| Exceeding 10 MVA but not above 50 MVA | 110 kV | | |
| Exceeding 50 MVA | 230KV | | |

";

(b) in sub-regulation (14), for clause (b) entries relating thereto, the following clause shall be be substituted, namely:-

"(a) For outdoor metering, a clear space of 10 metre x 4 metre or 5 metre x 5 metre open to sky shall be provided.

This enclosure shall be at the periphery of the building and shall be cut off from other portions of the premises by fire resistance walls. These areas shall be specifically shown in the plan. Before the plan is sent to the competent authority for approval, it shall be sent to the Engineer and got approved. The point of supply shall be within 30 meters from the gate with

access to the premises from the public road, easily accessible and visible and satisfactory with regards to security aspects. Failure to comply with the above requirements will result in denial of supply.

Provided that the Chief Executive Officer or any other Officer, not less than in the rank of a Chief Engineer, authorized by the Chief Executive Officer may approve the point of supply at a place beyond 30 meters from the main gate, if he is satisfied that such place is

- (a) easily accessible and visible to the officials of the licensee;
- (b) is safe and secure; and
- (c) is not susceptible to malpractice. Also there shall be no compromise on technical grounds, while relaxing the distance criteria.

4. in regulation 31, for sub-regulation (3), the following sub-regulation and shall be substituted, namely:-

"(3) If the intending consumer fails to avail the supply within the above period, a further three months extension in case of HT and one month extension in case of LT will be granted by the Licensee, after collecting the monthly minimum for the extended period in advance. If he does not avail himself the supply during this notice period, the application will be treated as lapsed and cancelled in the case of Low Tension supply and the application shall be treated as cancelled, terminating the agreement, in the case of High Tension supply. The service connection charges and the Security Deposit / development charges, etc. except Meter Caution Deposit will be forfeited. In case the intending consumer could not avail the supply under force majeure conditions, the Security Deposit and meter caution deposit shall be refunded to the intending consumer."

5. In ANNEXURE III, (a) for FORM – 1, the following shall be substituited, namely:-

FORM I

Application Form for L.T Service Connection(except Temporary supply Agricultural and Hut)

FORM OF REQUISITION FOR SUPPLY OF LOW TENSION ENERGY (SINGLE PHASE / THREE PHASE)

| PHASE) | | | | |
|-----------------------------|---|---|---|---|
| | | [Refer clause | e 27(3)] | |
| То | | | | |
| The Design | nated Engineer | | | |
| (Address of | f the Licensee) | | | Applicant(s)' |
| | | | | Photo(s) |
| | | | | |
| | | | | |
| | | | | |
| Sir, | | | | |
| S/o/D | /o/W/o/ | | | quest you to supply |
| electrical | energy | for | the | purpose of |
| premises h | ereinafter described | | | to the |
| C | | • | • | de a separate written by the Licensee or the |
| in accordar Distribution | ding the deposit of since with the scale of | such securi of rates pre de, notificati | ty, meter rent, escribed under ions and order | ce connection and other as may be demanded Tamil Nadu Electricity rs issued in this regard |

I / We wish to be charged under Tariff under schedule

of the TNERC tariff order in force.

- 4. I / We agree to take supply for years and utilize the energy in the premises described hereunder or outside the premises for my bonafide use.
- 5. In case, I/We sell or otherwise dispose of the property / vacate the premises while the supply is continued, I/We agree to give one Calendar month notice in writing and pay all the arrears to the Licensee. Failing such notice, I/We hold myself/ourselves responsible for energy consumed in the premises till such notice is given to the Licensee.

6. Description of the premises

a) Door No. and / or name of the house or premises :

b) Street :

c) Town / village and Taluk :

d) Owned by (Name in Block letters) :

e) Tenanted by (Name in block letters) :

f) Applicant(s)' correspondence address :

7. The following are my / our requirements

| (A) Lighting | Number of | Wattage of | Total |
|-----------------------------|-----------|------------|---------|
| | Points | point's | wattage |
| (i) Lights | - | - | - |
| (ii) Fans | - | - | - |
| (iii) Convenient wall plugs | - | - | - |
| (B) Domestic electrical a | pparatus: | | |
| (i) Cookers | - | - | - |
| (ii) Water heaters | - | - | - |
| (iii) Refrigerator | - | - | - |
| (iv) Air Conditioners | | | |
| (v) Lifts/Elevator/Escalat | ors - | - | - |
| (vi) Other purpose | - | - | - |
| (vii) Convenient wall plugs | 3 | | |

(C) Power Loads

- (i) Domestic - -
- (ii) Industrial - -
- (iii) Welding - -
- (iv) Other purposes - -
- (v) Convenient Wall Plugs - -
 - 8. Demand applied for in KW
 - 9. Whether RCD provided to ensure safety
 - The wiring has been completed on
- 11. Details of pending dues if any to the premises to which the service connection is sought in the application.

PRECAUTION TO BE ADOPTED BY CONSUMERS, OWNERS, ELECTRICAL CONTRACTORS, ELECTRICAL WORKMEN AND OTHER SUPPLIERS OF ENERGY

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches, and other component parts of the installations as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, or owner for the purpose of supply of energy to such consumer or owner, except by an authorized person specified by the Authority.

- I / We certify that we are aware of the above precaution and agree to abide by it.
- I / We agree to pay to the Licensee at the applicable tariff/minimum rates/fixed charges/surcharge etc that may be decided by the commission from time to time.
- I / We agree to abide under all specifications, conditions and provisions laid down in Tamil Nadu Electricity Regulatory Supply Code, Distribution Code and the applicable Act, Codes, Rules and Regulations and of any modification or re-enactment thereof for the time being in force and subject to the conditions of revisions, amendments approved from time to time.

Signature of the Applicant(s)

Place

Date

Note: The application shall be accompanied with the following documents:

- (i) Certified copy of Proof of ownership such as sale deed /Partition deed/gift settlement/allotment letter/computer patta /ownership certificate issued by revenue department officials/ court judgment or recent property tax receipt.
- (ii) In case of joint property, certified copies of proof of ownership along with parent documents specified in note (i) above and consent letters from co-owners. If consent letter is not produced, an indemnity bond with enhanced security deposits.
- (iii) If the applicant is not owner, consent letter from owner in FORM No.5 or valid proof of occupancy and indemnity bond in FORM No.6

FOR LICENSEE'S USE ONLY

ACKOWLEDGEMENT

Applicant(s)' name :

Address :

Date of receipt :

Reference No. :

Category of Supply :

Signature and seal of Distribution Licensee

Name and designation.

(b) after FORM I as so substituted, the following Form shall be inserted, namely:-

"FORM IA

Application Form for Temporary Service Connection

FORM OF REQUISITION FOR TEMPORARY SUPPLY (SINGLE PHASE / THREE PHASE)

[Refer clause 27(3)]

| | , | | (-/) | |
|-----------------|--------------------------------------|-----------------|--------------|--|
| То | | | | |
| The Designate | d Engineer | | | |
| (Address of the | Licensee) | | | Applicant(s)' |
| | | | | Photo(s) |
| | | | | |
| | | | | |
| | | | | |
| Sir, | | | | |
| | = | | | |
| | | | | ou to supply electrical |
| | | | | purpose of |
| | nafter described. | | | to the |
| • | ndertaking does is so desired by the | • | • | written contract being ner.) |
| 2. I | / We agree to pa | ay for said en | ergy, servic | e connection and other |
| - | | | | as may be demanded Tamil Nadu Electricity |
| Distribution Co | | e, notification | s and order | s issued in this regard |
| | We wish to be cliff order in force. | harged unde | r Tariff | under schedule of |
| | gy in the premise | | | Months / Years and or outside the premises |
| 5. I | n case, I sell or | otherwise di | spose of the | e property / vacate the |

premises while the supply is continued, I agree to give one month notice in

writing and pay all the arrears to the Licensee, failing which, I hold myself responsible for the energy consumed in the premises for the entire period of Temporary supply availed. If any due arises in this service connection, I agree to include such dues in my existing service connection No:(if available)

6. Ownership and location of the premises

- a. SF No./ Door No. :
- b. Street :
- c. Town / village :
- d. Land mark of premises :
- e. Taluk :
- f. District :
- g. Owned by (Name in Block letters) :
- h. Tenanted by (Name in block letters) :
- i. Applicant(s)' correspondence address

7. Description of the premises

- a. Plot area :
- b. Total building area/Floor area of all floors :
- c. Number of the Floors to be constructed

(Basement /stilt /ground floor/other Floors to be furnished in detail)

- d. Whether the approval is obtained for
 - above mentioned floors and construction
- e. Whether copy of approved plan is enclosed
- f. Total height of the proposed building

(If height is more than 15 meters, approval from Electrical Inspectorate should be obtained)

g. Whether Gen set /Lift is proposed to be erected

(If yes, approval from Electrical Inspectorate to be obtained)

h. Any HT/LT line is passing inside or adjacent to the premise :

(If yes, building should be constructed with adequate safe clearance as per the Safety Regulations in force or otherwise the lines should be got deviated at the cost of Applicant, subject to feasibility)

- 8. Whether the Service connection is required permanently after the period of temporary service connection is over :
 - If No, (i) Purpose of Temporary supply requested

9. Details of Loads to be Connected:

| (A) Lighting | J | Number of | Wattage of | Total |
|-----------------|-----------------|------------------|-------------------------------------|---------|
| | | Points | points | wattage |
| (i) Lights | | - | - | - |
| (ii) Fans | | - | - | - |
| (iii) Conveni | ent wall plugs | - | - | - |
| (B) Power | Loads | | | |
| (i) Motors | | - | - | - |
| (ii) Welding | | - | - | - |
| (iii) Cutting r | nachine | | | |
| (iv) Portable | appliances | - | - | - |
| (v) Lifts/elev | ators | - | - | - |
| (vi) Other ap | paratus | - | - | - |
| (vii) Conven | ient Wall Plugs | - | - | - |
| 10. | Demand app | lied for in KW | : | |
| 11. | Whether RC | D provided to en | sure safety : | |
| 12. | The wiring ha | as been complete | ed on : | |
| 13. | • | • | to the premises on is sought in the | |

PRECAUTION TO BE ADOPTED BY CONSUMERS, OWNERS, ELECTRICAL CONTRACTORS, ELECTRICAL WORKMEN AND OTHER SUPPLIERS OF ENERGY

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches, and other component parts of the installations as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, or owner for the purpose of supply of energy to such consumer or owner, except by an authorized person specified by the Authority.

I / We certify that we are aware of the above precaution and agree to abide by it.

I / We agree to pay to the Licensee at the applicable tariff/minimum rates/fixed charges/surcharge etc that may be decided by the commission from time to time.

I / We agree to abide under all specifications, conditions and provisions laid down in Tamil Nadu Electricity Regulatory Supply Code, Distribution Code and the applicable Act, Codes, Rules and Regulations and of any modification or re-enactment thereof for the time being in force and subject to the conditions of revisions, amendments approved from time to time.

Signature of the Applicant(s)

Name(s) in Block letters.

Place

Date

Note: The application shall be accompanied with the following documents:

- (i) Certified copy of Proof of ownership such as sale deed /Partition deed/gift settlement/allotment letter/computer patta/ownership certificate issued by revenue department officials/ court judgment or recent property tax receipt.
- (ii) In case of joint property, certified copies of proof of ownership along with parent documents specified in note (i) above and consent letters from co-owners. If consent letter is not produced, an indemnity bond with enhanced security deposits.
- (iii) If the applicant is not owner, consent letter from owner in FORM No.5 or valid proof of occupancy and indemnity bond in FORM No.6
- (iv) Plan approval with area earmarked for installing transformer,in case of floor area of 900 square meter and above or the demand exceeds 112KW as per sub regulation 29 (11) of Distribution Code OR

Plan approval with area earmarked for establishment of Sub Station, in case of demand / area exceeds the limit as specified in sub regulation 29 (12) of Distribution Code

FOR LICENSEE'S USE ONLY

ACKOWLEDGEMENT

Applicant(s)' name :

Address :

Date of receipt :

Reference No. :

Category of Supply :

Signature and seal of Distribution Licensee

Name and designation.

(By order of the Tamil Nadu Electricity Regulatory Commission)

(S.Chinnarajalu)
Secretary

EXPLANATORY STATEMENT

In order to ensure that the safety norms and regulations mandated in the CEA

regulations such as provision of Residual Current Device inside the premises of

consumers and production of necessary approval from Electrical Inspector are

to be specifically provided in the Distribution Code for creating awareness

among the consumers and for effective implementation to ensure public safety

against electric shock and fire hazards. Further the expression 'authority' needs

to be defined with clarity.

The LT application needs to be provisioned for joint application by the co-

owners as the present format is suitable only for a single applicant.

To define the conditions for metering point location in HT service to make it

more practicable so as to ensure that the licensee is able to reach the location

easily during surprise inspection.

There being exclusive conditions for Temporary supply, the specific

requirements to provide space and other provisions for erection of Transformer

or Substation need to be made more specific to the applicant at the initial stage

itself and for that purpose it is proposed to prescribe a separate format for the

said category.

The monthly minimum charges to be paid in regard to supply availability notice

period has to be made specific to avoid ambiguity.

The amendment seeks to address the above issues.

(By order of the Tamil Nadu Electricity Regulatory Commission)

(S.Chinnarajalu)
Secretary

STATEMENT SHOWING EXISTING PROVISION AND PROVISION AS AMENDED

| S.No. | Existing regulation | Amendment Proposed |
|-------|--|---|
| 1. | 2. Definitions | 2. Definitions |
| | (1) xxx | (1) xxx |
| | (a) xxx | (a) xxx (aa) "Authority" means the Central Electricity _Authority referred to in sub section (1) of Section 70 of Electricity Act 2003 |
| | (b) xxx | (b) xxx |
| 2. | 27. Requisitions for Supply of Energy | 27. Requisitions for Supply of Energy |
| | (3). The application for HT supply shall be in Form 4. Application for LT service connection (other than Agriculture and Hut), LT Agricultural service connection and LT Hut service connection shall be in FORM- 1,2,and 3 of respectively. | (3) The application for HT service connection shall be in FORM-4. Application for LT service connection (other than Temporary supply, Agriculture and Hut), Temporary service connection, LT Agriculture service connection and LT Hut service connection shall be in FORM - 1, 1A, 2 and 3 respectively. |
| | Note: xxx | Note: xxx |

3. **27. Requisitions for Supply of Energy**

(11) xxx

27. Requisitions for Supply of Energy

(11) xxx

11-A Where the requisition for supply is for a multi storeyed building, the applicant shall enclose the planning permission with the application. The Licensee shall verify the height of the building from the planning permission enclosed by the applicant. Physical measurement is not necessary. If the height of the multi storeyed building is more than 15 meters as given in the planning permission, necessary approval from the Electrical Inspector in compliance with CEA (Measures relating to Safety and Electric Supply) Regulations 2010, shall be furnished. 11-B (i) Every electrical installation of low voltage of single phase with 240V and medium voltage of three phase / four wire system with 415V shall be controlled by a Residual Current operated Device (RCD), whose rated residual operating current shall not exceed 30 milliampere for protection against electric shock, SO as disconnect the supply on the occurrence of earth fault or leakage of current.

(ii) In the case of installations having large number of motors, equipment, appliances of loads totalling above 10 kW, one common RCD at the point of commencement of supply with rated residual operating current of 300 milliampere for protection against electrical fire shall be provided, in addition to RCD of not exceeding 30 milliampere rating for protection against electric shock.

(iii) An installation, where there are a large number of loads giving rise to a sum of permissible leakage currents exceeding 30 milliampere, shall be subdivided into circuits to avoid nuisance tripping and each sub-divided circuit shall be provided with an independent RCD with leakage current sensitivity rating not exceeding 30 milliampere at appropriate location.

Explanation- 1. RCD is a generic term which covers the various types of RCCBs, RCBOs etc. Residual Current operated Circuit Breaker (RCCB), Residual Current operated Circuit Breaker with integral Overcurrent protection (RCBO). RCCB is also called as RCB for convenience (RCCB/RCB)

The term earth leakage circuit breaker (ELCB) is not used in Standards.

4. **29. Service Lines Regulation 29** (11)

In storied building, sufficient space shall be made available free of cost to the Licensee for installing transformers, switchgears etc., in addition to the space requirements stated below.

(i) (a) an electrical room with RCC roof having clear floor area 6 meters x 4 meters with a vertical clearance of 2.75 meters locking with facility, exhaust fans and adequate size of cable duct, shall be provided at the ground floor within the consumer premises of storied buildings nearer to the main entrance for installing floor mounted

29. Service Lines Regulation 29 (11)

In storeyed building and for any building / premises requiring LT service connection(s) having either (a) total floor area of 900 square meter and above (excluding the stilt floor / basement floor) or (b) the total demand of all the LT services in the building exceeds 112kW, sufficient space shall be made available free of cost to the Licensee for installing transformers, switchgears etc., as stated below:

(a) an electrical room with RCC roof having clear floor area 6 meters x 4 meters with a vertical clearance of 2.75 meters with locking facility, exhaust fans and adequate size of cable duct, shall be provided at the ground floor within the consumer premises of storeyed buildings nearer to the main entrance for installing floor mounted distribution transformer and associated switchgear (or)

distribution transformer and associated switchgear or

(b) a clear space of 10 metre x 4 metre or 5 metre x open to the sky 5 metre shall be provided within the consumer premises preferably the main at installing entrance for mounted structure distribution transformer and associated switchgears, and

(b) a clear space of 10 metre x 4 metre or 5 metre x 5 metre open to the sky for double pole structure or 4meter x 4 meter open to sky for single pole structure according to site and load conditions, shall be provided within the consumer premises preferably at the main entrance for installing structure mounted or plinth/concrete pillar mounted distribution transformer and associated switchgears. In case of concrete/plinth mounted arrangement, such mounting arrangement shall be carried out by the applicant at his cost.

5. **Regulation 29 (12)**

12 (ii)(a) Space as per the norms specified in clause (b) shall be allotted establishment of suba station / switching station in requiring places service connections Except Industrial services)where (i) the total demand of the project including expansions, incidence load in near exceeds/would exceed

Regulation 29 (12)

rethe (a) Space as per the following norms are (b) shall be allotted by the applicant free of for cost for establishment of a substation/switching station in places are requiring service connections (except industrial service connections other except than IT related purposes) where either ere (i) (a) the total demand of all the electrical of the services in the projects including the luding loads that will be incident in the near future exceeds/would exceed 5 MVA or future (b) total floor area of 30,000 square exceed meters and above is constructed or

5MVA (ii) the total area of construction/area that would be constructed in the near future is of 30000 sq.mt and above (excluding the stilt floor/basement floor)

(b) The requirement of land for establishment of substations shall not exceed the limit given below.

| Voltage | Land Requ | iirements | |
|-----------------|------------|-----------|--|
| level of the | in Sq.mts. | | |
| sub- | in sq.mis. | | |
| station | | | |
| | Normal | Compact | |
| | sub- | sub- | |
| | station | station | |
| 33 kV | 850 | | |
| Sub- | (indoor) | | |
| station | 21.60 | 400 | |
| | 3160 | | |
| | (outdoor) | | |
| 110 | 4000 | | |
| kV | (outdoor) | 1050 | |
| sub- | | 1030 | |
| station | | | |
| 230 kV | 16000 | | |
| sub- | (outdoor) | 1750 | |
| station | (Juidooi) | 1730 | |
| Station | | | |

(c) The area earmarked for establishment of sub-station shall be specifically shown

proposed to be constructed (excluding the stilt floor / basement floor).

(b)The requirement of land for establishment of sub-stations shall be the minimum limit with configuration given below:

| Voltage level of the sub- | 1 | Land Requirements in Sq.mts. |
|---------------------------------|--------------------------------------|--|
| station | Normal sub- station | Compact sub- station |
| 33 kV Sub- station | 850 (indoor) 3160 (outdoor) | 400 (size of 20x20 or 10x40 with approaches on any two adjacent sides) |
| 110 kV sub- station | 4000 (outdoor) | 1050 |
| 230 kV sub- station | 16000 (outdoor) | 1750 |

Further, when the developers/owners of the premises apply for additional load / develops additional constructions in phases etc., the above requirement of space for establishment of sub-station shall be applicable for the total load or total area of construction that includes both the existing and additional load / area of construction.

in the plan and furnished to the Distribution Licensee by the developers/owners at the time of applying for temporary service connection for construction purpose.

- (d) Where the developer/applicant chooses to allot land for a compact sub station, the difference in cost between establishment of a conventional sub station and compact sub station shall be borne by them.
- The (c)earmarked for area establishment of Substation shall be specifically shown in the plan including the areas of constructions and other amenities of the premises along with plot development if any for the future and furnished to the Distribution Licensee by the developers/owners at the time of applying for temporary service connection for construction purposes
- (d) Where the total demand exceeds /would exceed 5 MVA or the total floor area of 30,000 square meters and above is constructed or proposed to be constructed (excluding the stilt floor / basement floor), the applicant shall allot the land suitable for establishing a conventional outdoor Air Insulated Switchgear (AIS) sub-station. In case the applicant chooses to opt for allotting land suitable for compact substation, etc., other than conventional outdoor AIS sub-station, the applicant shall bear the difference in cost between the Compact Sub-Station and the conventional outdoor AIS Sub-Station. The applicant has to allot the land for establishment sub-station commensurate with the demand applied or the demand assessed by the licensee,

whichever is higher.

(e) The Licensee may consider establishment of sub stations operating at various voltage levels commensurate with the demand as below, in the space provided by the applicants:

| Total demand | Voltage level |
|----------------------|--------------------|
| | of the sub station |
| Exceeding 5 MVA but | 33 kV |
| not above 10 MVA | |
| Exceeding 10 MVA but | 110 kV |
| not above 50 MVA | |
| Exceeding 50 MVA | 230 kV |

Note: (a) in places situated within 60 Kilo Meters from the periphery of the Metropolitan/Corporation limit, the licensee may establish the compact substation;

(b) in places situated within 30 Kilo Meters from the periphery of the Municipality limit, the licensee may establish the compact sub-station; (c) in places situated within 10 Kilo Meters from the periphery of the Town Panchayat limit, the licensee may establish the compact - Deleted -

sub-station;

- (d) in other places, the licensee may establish the sub-station of his choice
- (e) the land area should have the proper approach road atleast on any one side of the land for easy transporting of power transformer (f) the dimension of the land area shall be the per suggestions of the Licensee to the consumer.

29. Service Lines 6.

> 14(b) For outdoor | xxx metering, a clear space of 10 metre x 4 metre or 5 metre x 5 metre open to sky shall be provided.

This enclosure shall be at the periphery of the building and shall be cut off from other portions of the premises by fire resistance walls. These areas shall be specifically shown in the

29. Service Lines

This enclosure shall be at the periphery of the building and shall be cut off from other portions of the premises by fire resistance walls. These areas shall be specifically shown in the plan. Before

plan. Before the plan is sent to the competent authority for approval, it shall be sent to the Engineer and got approved. The point supply shall be within 30 meters from the gate with access to the premises from public road. the easily accessible and visible and satisfactory with regards to security aspects. Failure to comply with the above requirements will result in denial of supply.

Provided that the Chief Executive Officer or any other Officer, not less than in the rank of a Chief Engineer, authorized by the Chief Executive Officer may approve the point of supply at a place beyond 30 meters from the main gate, if he is satisfied that such place is

(a) easily accessible and visible to the officials of the licensee;

(b) is safe and secure; and

(c) is not susceptible to malpractice. Also there shall be no compromise on technical grounds, while relaxing the distance criteria. the plan is sent to the competent authority for approval, it shall be sent to the Engineer and got approved. The point of supply shall be within 30 meters from the gate with access to the premises from the public road, easily accessible and visible and satisfactory with regards to security aspects. Failure to comply with the above requirements will result in denial of supply.

XXX

XXX

XXX

XXX

| 7. | ANNEXURE III : FORMATS | ANNEXURE III : FORMATS |
|----|---|---|
| | Application Form for L.T. Service Connection (except agriculture and hut) FORM 1> Application Form for Agriculture Service FORM 2> Connection Application Form for Hut Service Connection | Application Form for L.T. Service Connection (except Temporary supply, agriculture and hut) FORM 1 Application Form for Temporary Service FORM 1A Connection. |

FORM I

Application Form for L.T Service Connection(except, Agricultural and Hut)

FORM OF REQUISITION FOR SUPPLY OF LOW TENSION ENERGY (SINGLE PHASE / THREE PHASE)
[Refer clause 27(3)]

To The Designated Engineer (Address of the Licensee)

Applicant's photo

- 2. I agree to pay for said energy, service connection and other dues including the deposit of such security, meter rent, as may be demanded in accordance with the scale of rates prescribed under Tamil Nadu Electricity Distribution Code, Supply Code, notifications and orders issued in this regard by Tamil Nadu Electricity Regulatory Commission.
- 3. I wish to be charged under Tariff under schedule of the TNERC tariff order dated
- 4. I agree to take supply for years and utilize the energy in the premises described hereunder or outside the premises for my bonafide use.
- 5. In case, I sell or otherwise dispose of the property / vacate the premises while the supply is continued, I agree to give one Calendar month notice in writing and pay all the arrears to the Licensee. Failing such notice, I hold myself responsible for energy consumed in the premises till such notice is given to the Licensee.

Application Form for L.T Service Connection(except Temporary Supply, Agricultural and Hut)

FORM OF REQUISITION FOR SUPPLY OF LOW TENSION ENERGY (SINGLE PHASE / THREE PHASE)

[Refer clause 27(3)]

consumer.)

To The Designated Engineer (Address of the Licensee)

Applicant(s)'s photo(s)

| | Sir, | 1. nty | | | /e , | |
|---------|------------|-----------|------|-------|--------|--------|
| | S/o/D/o/W/ | /0/ | | | | |
| | electrical | her | eby | reque | est yo | ou to |
| describ | ned. | to the | prem | ises | herei | nafter |

preclude a separate written contract being

entered into, if so desired by the Licensee or the

- 2. I / We agree to pay for said energy, service connection and other dues including the deposit of such security, meter rent, as may be demanded in accordance with the scale of rates prescribed under Tamil Nadu Electricity Distribution Code, Supply Code, notifications and orders issued in this regard by Tamil Nadu Electricity Regulatory Commission.
- 3. I / We wish to be charged under Tariff under schedule of the TNERC tariff order in force.
- 4. I / We agree to take supply for years and utilize the energy in the premises described hereunder or outside the premises for my bonafide use.
- 5. In case, I/We sell or otherwise dispose of the property / vacate the premises while the supply is continued, I/We agree to give one Calendar month notice in writing and pay all the arrears to the Licensee. Failing such notice, I/We hold myself /ourselves responsible for energy consumed in the premises till such notice is given to the Licensee.

| 6. Description of the premises | | 6. Description of the premises | | remises |
|---|----------------------------------|--------------------------------|---|------------------|
| Door No. and / or nat premises : Street | ne of the house or | premises | Door No. and / or name of : Street | of the house or |
| Town / village and T | : `aluk | | : Town / village and Taluk | |
| Owned by (Name in | : | | : Owned by (Name in Block | k letters) |
| : Tenanted by (Nam | ne in block letters) | e) | : Tenanted by (Name in blo | ock letters) |
| Applicant(s)' corre | : | | : Applicant(s)' correspond | lence address |
| 7 The 6-11- | : | 7 | : The following of | |
| 7. The follow requirements Number of Wattage of Points points | ring are my / our Total wattage | 7. requireme No | | are my / our |
| | | Po | oints Wattage of point's | Total wattage |
| (A) Lighting | | // | N. Linda Giran | |
| (i) Lights | - - | |) Lighting | |
| (ii) Fans | - - | (1) | Lights - | - |
| - | - | (ii) |) Fans - | - |
| (iii) Convenient wall plugs | - | (iii | i) Convenient wall plugs | - |
| (B) Domestic electrical appa (i) Cookers | ratus: - | | B) Domestic electrical appa Cookers | aratus: - |
| (ii) Water heaters | - | (ii) | Water heaters | - |
| (iii) Refrigerator | - | (iii | i) Refrigerator | - |
| (iv) Air Conditioners | - | |) Air Conditioners) Lifts/Elevator/Escalators | - |
| (v) Other purpose | - | (v | - i) Other purpose | - |
| (vi) Convenient wall plugs (C) Power Loads | | | - ii) Convenient wall plugs C) Power Loads | - |
| (i) Domestic | - | | Domestic - | - |
| - (ii) Industrial | - | (ii) |) Industrial | - |
| - | | (iii | i) Welding | - |
| (iii) Welding | - | (iv | · | - |
| (iv) Other purposes | - | (v | -) Convenient Wall Plugs - | - - - |
| (v) Convenient Wall Plugs | - | | | |
| - 8. Demand ap | oplied for in KW | 8. | Demand applied for | in KW |
| 9. The wiring b | 9. | Whether RCD provid safety | ed to ensure | |

10. Details of pending dues if any to the premises to which the service connection is sought in the application.

Place Signature of the applicant Date Name(in Block letter)

Note: The application shall be accompanied with the following documents:

Certified copy of Proof of ownership such as sale deed /Partition deed/gift settlement/allotment letter/computer patta /ownership certificate issued by revenue department officials/ court judgment or recent property tax receipt.

In case of joint property, certified copies of proof of ownership such as legal heir certificate along with parent documents specified in note (i) above and consent letters from co-owners. If consent letter is not produced, an indemnity bond with enhanced security deposits.

If the applicant is not owner, consent letter from owner in FORM No.5 or valid proof of occupancy and indemnity bond in FORM No.6

FOR LICENSEE'S USE ONLY

Application registered as No. dated

Note:1. In case of transfer of the service, fresh application should be signed by the transferee.

2.Additions or omissions to the connected load to be notified to the Licensee before effecting the electricity connections.

PRECAUTION TO BE ADOPTED BY CONSUMERS, OWNERS, ELECTRICAL CONTRACTORS, ELECTRICAL WORKMEN AND OTHER SUPPLIERS OF ENERGY

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches, and other component parts of the installations as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, or owner for the purpose of supply of energy to such consumer or owner, except by an authorized person specified by the Authority

ACKOWLEDGEMENT

Applicant(s)' name : Address : Date of receipt :

- 10. The wiring has been completed on
- 11. Details of pending dues if any to the premises to which the service connection is sought in the application.:

PRECAUTION TO BE ADOPTED BY CONSUMERS, OWNERS, ELECTRICAL CONTRACTORS, ELECTRICAL WORKMEN AND OTHER SUPPLIERS OF ENERGY

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches, and other component parts of the installations as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, or owner for the purpose of supply of energy to such consumer or owner, except by an authorized person specified by the Authority.

I / We certify that we are aware of the above precaution and agree to abide by it.

I / We agree to pay to the Licensee at the applicable tariff/minimum rates/fixed charges/surcharge etc that may be decided by the

Reference No. Category of Supply

Signature and seal of Distribution Licensee

Name and designation.

Commission from time to time.

I / We agree to abide under all specifications, conditions and provisions laid down in Tamil Nadu Electricity Regulatory Supply Code, Distribution Code and the applicable Act, Codes, Rules and Regulations and of any modification or re-enactment thereof for the time being in force and subject to the conditions of revisions, amendments approved from time to time.

Place Signature of the applicant(s)
Date Name(s) in Block letter

Note: The application shall be accompanied with the following documents:

- (i) Certified copy of Proof of ownership such as sale deed /Partition deed/gift settlement/allotment letter/computer patta /ownership certificate issued by revenue department officials/ court judgment or recent property tax receipt.
- (ii) In case of joint property, certified copies of proof of ownership along with parent documents specified in note (i) above and consent letters from co-owners. If consent letter is not produced, an indemnity bond with enhanced security deposits.
- (iii) If the applicant is not owner, consent letter from owner in FORM No.5 or valid proof of occupancy and indemnity bond in FORM No.6

FOR LICENSEE'S USE ONLY ACKOWLEDGEMENT

Applicant(s)' name :
Address :
Date of receipt :
Reference No. :
Category of Supply :

Signature and seal of Distribution Licensee Name and designation.

9. In ANNEXURE III, after FORM – 1, the following FORM shall be added, namely:-

FORM IA

Application Form for Temporary Service Connection

FORM OF REQUISITION FOR TEMPORARY SUPPLY (SINGLE PHASE / THREE PHASE)

| | [Refer clause 27(3)] | |
|---------------|---|----------------------------|
| To | | |
| The Designa | ted Engineer | |
| (Address of t | he Licensee) | Applicant(s)' |
| | | Photo(s) |
| | | |
| | | |
| <i>a.</i> | L | |
| Sir, | | |
| | We , Thiru /Tmty | |
| | / | .1.6 |
| | hereby request you to supply electrical of | |
| | einafter described. | to the |
| - | undertaking does not preclude a separate written co | ontract being entered into |
| if so desired | by the Licensee or the consumer.) | |
| 2. | I/We agree to pay for said energy, service conn | ection and other dues |
| including the | e deposit of such security, meter rent, as may be den | |
| with the scal | e of rates prescribed under Tamil Nadu Electricity I | Distribution Code, Supply |
| | ations and orders issued in this regard by Tamil No | adu Electricity Regulatory |
| Commission. | | |
| 3. | I/ We wish to be charged under Tariff u | nder schedule of the |
| TNERC tarif | f order in force. | |
| 4. | I/ We agree to take supply for Month | s / Years and utilize the |
| energy in the | premises described hereunder or outside the premi | ises for my bonafide use. |
| 5. | In case, I sell or otherwise dispose of the proper | ty/vacate the premises |

while the supply is continued, I agree to give one month notice in writing and pay all the arrears to the Licensee, failing which, I hold myself responsible for the energy consumed in the premises for the entire period of Temporary supply availed. If any due arises in this service connection, I agree to include such dues in my existing service connection

No:(*If available*)

| 6. | Ownership and location of the premises | | | | |
|----|--|--|--|--|--|
| | a. SF No./ Door No. | : | | | |
| | b. Street | <i>:</i> | | | |
| | c. Town/village : | | | | |
| | d. Land mark of premises | <i>:</i> | | | |
| | e. Taluk | : | | | |
| | f. District | : | | | |
| | g. Owned by (Name in Block letters) | : | | | |
| | h. Tenanted by (Name in block letters): | | | | |
| | i. Applicant(s)' correspondence address | : | | | |
| 7. | Description of the premises | | | | |
| | a. Plot area | : | | | |
| | b. Total building area/Floor area of all floors | : | | | |
| | c. Number of the Floors to be constructed | : | | | |
| | (Basement /stilt /ground floor/other Floo | ors to be furnished in detail) | | | |
| | | | | | |
| | d. Whether the approval is obtained for | | | | |
| | e. above mentioned floors and construction | : | | | |
| | f. Whether copy of approved plan is enclosed | : | | | |
| | g. Total height of the proposed building | : | | | |
| | (If height is more than 15 meters, appro- | val from Electrical Inspectorate | | | |
| | should be obtained) | | | | |
| | h. Whether Gen set /Lift is proposed to be erected | : | | | |
| | (If yes , approval from Electrical Inspec | torate to be obtained) | | | |
| | i. Any HT/LT line is passing inside or adjacent to the premise: | | | | |
| | (If yes, building should be constructed with adequate safe clearance as per | | | | |
| | Safety Regulations in force or otherwise the line | es should be got deviated at the | | | |
| | cost of Applicant , subject to feasibility) | | | | |
| 8. | Whether the Service connection is required perman service connection is over | ently after the period of temporary : | | | |
| | If No, (i) Purpose of Temporary supply request | ed : | | | |
| | (ii) Period of Temporary supply required | <i>:</i> | | | |

9. Details of Loads to be Connected:

(A) Lighting

| ` ' 0 0 | J | 0 0 | |
|-------------------|--|---------------|----------------------|
| | Points | points | wattage |
| (i) Lights | - | - | - |
| (ii) Fans | - | - | |
| (iii) Convenie | ent wall plugs - | - | - |
| (B) Power L | oads | | |
| (i) Motors | - | - | - |
| (ii) Welding | - | - | - |
| (iii) Cutting r | nachine | | |
| (iv) Portable | appliances - | - | - |
| (v) Lifts/elevo | ators - | - | - |
| (vi) Other ap | paratus - | - | - |
| (vii) Conveni | ent Wall Plugs | | |
| 10. | Demand applied for in KW | | : |
| 11. | Whether RCD provided to ensure safe | ety | : |
| 12. | The wiring has been completed on | | : |
| 13. connection is | Details of pending dues if any to the p sought in the application. | remises to wh | ich the service : |

Number of

Wattage of

Total

PRECAUTION TO BE ADOPTED BY CONSUMERS, OWNERS, ELECTRICAL CONTRACTORS, ELECTRICAL WORKMEN AND OTHER SUPPLIERS OF ENERGY

No electrical installation work, including additions, alterations, repairs and adjustments to existing installations, except such replacement of lamps, fans, fuses, switches, and other component parts of the installations as in no way alters its capacity or character, shall be carried out upon the premises of or on behalf of any consumer, or owner for the purpose of supply of energy to such consumer or owner, except by an authorized person specified by the Authority.

I / We certify that we are aware of the above precaution and agree to abide by it.

I / We agree to pay to the Licensee at the applicable tariff/minimum rates/fixed charges/surcharge etc that may be decided by the commission from time to time.

I / We agree to abide under all specifications, conditions and provisions laid down in Tamil Nadu Electricity Regulatory Supply Code, Distribution Code and the applicable Act, Codes, Rules and Regulations and of any modification or re-enactment thereof for the time being in force and subject to the conditions of revisions, amendments approved from time to time.

Signature of the Applicant(s)

Name(s) in Block letters.

Place

Date

Note: The application shall be accompanied with the following documents:

- (i) Certified copy of Proof of ownership such as sale deed /Partition deed/gift settlement/allotment letter/computer patta/ownership certificate issued by revenue department officials/ court judgment or recent property tax receipt.
- (ii) In case of joint property, certified copies of proof of ownership along with parent documents specified in note (i) above and consent letters from coowners. If consent letter is not produced, an indemnity bond with enhanced security deposits.
- (iii) If the applicant is not owner, consent letter from owner in FORM No.5 or valid proof of occupancy and indemnity bond in FORM No.6
- (iv) Plan approval with area earmarked for installing transformer,in case of floor area of 900 square meter and above or the demand exceeds 112KW as per sub regulation 29 (11) of Distribution Code

OR

Plan approval with area earmarked for establishment of Sub Station, in case of demand / area exceeds the limit as specified in sub regulation 29 (12) of Distribution Code

FOR LICENSEE'S USE ONLY

ACKOWLEDGEMENT

Applicant(s)' name :

Address :

Date of receipt :

Reference No. :

Category of Supply :

Signature and seal of Distribution Licensee

Name and designation.

Regulation 31: Inspections, Testing and Effecting Supply.

31(2) -The intending consumer shall avail himself of the supply within three months in case of HT and one month in case of LT from the date of issue of notice in writing, informing him that supply is available.

31(3) -If the intending consumer fails to avail the supply within the above period, a further three months' notice in case of HT and one-month notice in case of LT will be sent to the intending consumer to avail the supply. If he does not avail himself the supply during this notice period, the application will be treated as lapsed and cancelled in the case of Low Tension supply and the application shall be treated as cancelled, terminating the agreement, in the case of High Tension supply. The service connection charges and the Security Deposit / development charges, etc. except Meter Caution Deposit will be forfeited. In case the intending consumer could not avail the supply

Regulation 31: Inspections, Testing and Effecting Supply.

xxx

31(3) -If the intending consumer fails to avail the supply within the above period, a further three months extension in case of HT and one month extension in case of LT will be granted by the Licensee, after collecting the monthly minimum for the extended period in advance. If he does not avail himself the supply during this notice period, the application will be treated as lapsed and cancelled in the case of Low Tension supply and the application shall be treated as cancelled, terminating the agreement, in the case of High Tension supply. The service connection charges and the Security Deposit / development charges, etc. except Meter Caution Deposit will be forfeited. In case the intending consumer could not avail the supply under force majeure conditions, the Security Deposit and meter caution

under force majeure conditions, the Security Deposit and meter caution deposit shall be refunded to the intending consumer.

31(4) -However, Licensees of the Distribution are delegated with powers to condone the delay on specific request from them if received before expiry of second notice period and to accord approval to effect supply any day after the date of expiry of second notice of availability of supply without forfeiture of development and other charges and cancellation of application subject to his/her consent to pay monthly minimum charges up to the date of availing supply.

31(5) -If the intending consumer avails supply during the notice period of availability of supply he shall pay the monthly minimum charges at the notified tariff rate for the period from the date of issue of first notice of supply availability till the date of availing supply.

deposit shall be refunded to the intending consumer.

XXX

XXX

(By the order of the Tamil Nadu Electricity Regulatory commission)

(S.Chinnarajalu)
Secretary