



## Maharashtra State Electricity Distribution Company Limited

CIN.U40109MH2005SGC153645

(A Govt. of Maharashtra Undertaking)

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Ref. No. CE(Dist)/M-I/PS/Infra Guidelines/023715

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### CIRCULAR

#### Sub: Infrastructure Development for release of New Connections – Revised Guidelines thereof.

As per MERC (Electricity Supply Code and Standards of Performance of Distribution Licensees including Power Quality) Regulation, 2021, detailed guidelines for release of new service connections have been issued from time to time. The infrastructure required, if any for the release of new connections is developed either by MSEDCL under NSC scheme or by the consumer under DDF or DDF-CCRF scheme by paying applicable supervision charges to MSEDCL.

It has been observed that in case of group connection projects e.g. residential complex, commercial complex etc developed by the developers, many a times though the infrastructure is created as per the sanction, the actual load does not appear immediately, leading not only to underutilization of the infrastructure but also result in increased technical losses.

Hence to avoid un-necessary expenditure on infrastructure and thereafter likely increase in technical losses due to sub-optimal utilisation of the network following revised guidelines and procedures are issued.

1. The space/land norms for providing substation by Applicant/Developer/Builder/Owner to MSEDCL shall be as below:-

Sr. No.	Substation	Land Requirement
1	GIS 22/11 kV or 33/11 kV Substation for Major cities mentioned below	600 Square Meter
2	Indoor 22/11 kV or 33/11 kV Substation for Corporation area	1000 Square Meter
3	Conventional Hybrid 22/11 kV or 33/11 kV (22 kV or 33 kV outdoor and 11 kV Indoor) Substation for other area	2800 Square Meter
4	Outdoor 22/11 kV or 33/11 kV Substation	4000 Square Meter
5	Outdoor 22 kV Switching Station	2800 Square Meter
6	Indoor 22 kV Switching Station for Major cities and Corporation area	600 Square Meter

Note: For Major Cities i.e. Mumbai, Thane, Navi Mumbai, Kalyan, Vasai, Palghar, Nagpur, Pune, Nashik and Chh. Sambhaji Nagar only GIS Substation shall be proposed. If the applicant / Developer provided land for Substation as specified above then

differential cost is not applicable.

2. In case of non-availability of land in the project for required load above 3 MVA (after D.F.), then the applicant/Developer have to provide the required land nearby their project and have to carry out the establishment of Sub-Station with allied lines by the said applicant/developer under 1.3% DDF scheme. Further if the applicant/Developer is providing less land as specified in such case the applicant/Developer will have to carry out the establishment of Sub Station work with allied lines under 1.3% DDF scheme.
3. Considering space constraints in metropolitan area, MSEDCL will allow the group of two adjoining projects to spare shared land or land in anyone of the project (mutually agreed) for Substation / DTCs subject to carry out the entire work under 1.3% DDF scheme.
4. In case, if no land is spared by the Applicant/Developer/Consumer/Owner either in the project or in nearby area then such proposals for power supply shall be rejected and not processed further.
5. Although the applicant load is above 3 MVA (after D.F.), for optimum utilization, MSEDCL shall provide power supply to premises on the existing network if found technically feasible (such proposal will be sanction at Corporate Office only.). However the applicant has to provide the land for establishment of Sub-stations to meet future load growth. However, if the required load is not technically feasible on existing network, the Sub-station has to be established to supply the required load. In both scenarios connections shall be released only by observing technical feasibility and only after Applicant/Developer/Builder/Owner provides required land to MSEDCL, irrespective of whether MSEDCL establishes substation for releasing connections or extends supply to the applicant on the existing technically feasible substation nearby to the applicant's premises.
6. **Approval to Infrastructure Plan (External Electrification) for plot layout:-**

While sanctioning the load for the plot lay-outs, only street light, temporary connections, etc shall be sanctioned initially as per the requirement. However the applicant has to execute the lease deed of the land required for substation or DTC to be created for proposed load in the subject layout. As per the actual load requirement, sanction and creation of subsequent infrastructure is to be done with due diligence as per MSEDCL norms.
7. **Incomers for Receiving / Switching Station:-**

Minimum two incomers are to be proposed from EHV Substations invariably. In case of underground cables atleast 2 runs (underground cable) for 1 incomer (total 3 runs for 2 Incomers) shall be proposed. No incomer will be allowed from existing Switching Station or tapping the existing Feeder.
8. If the load of complex/township/group establishments etc. is more than 250 kVA (after applying D.F. & excluding passive load i.e. fire fighting, etc) in Major area and 100 kVA (after applying D.F. & excluding passive load i.e. fire fighting, etc) in other Urban & Rural area then New Distribution Transformer of appropriate capacity with following land, to be provided by the applicant, shall be proposed by the field officer.

Sr. No.	Type of DTC	Suitable Land requirement
1	Distribution transformer centre (Indoor)	30 Sq. Mtr.
2	Distribution transformer centre (Outdoor)	25 Sq. Mtr.
3	Distribution transformer centre (Compact)*	15 Sq. Mtr.


\* There will not be any expenditure or reimbursement for above land from MSEDCL for this compact DTC and the applicant has to carry out expenditure under 1.3% DDF / 100% DDF scheme.

9. All the new application shall be process as per the voltage level prescribe by MERC. The applications for Non-SOP voltage level should not be processed.
10. R.I. charges to be borne by the Applicant/Developer/Builder/Owner for availing New Service Connections / additional load in 1.3% DDF / 100% DDF scheme

The circular No. C.E.(Dist.)/D-III/NSC/30011 dated 20.12.2018 and subsequent amendments are modified to the above extent only and the other conditions will remain unchanged.

This circular will come into force with immediate effect.

This circular is available on [www.mahadiscom.in](http://www.mahadiscom.in) website.

  
Chief Engineer (Dist.)

**Copy s.w.r. to:**

1. The Chairman and Managing Director, Corporate Office, MSEDCL, Mumbai.
2. The Director (Operations / Finance), Corporate Office, MSEDCL, Mumbai.
3. The Joint Managing Director, MSEDCL, Chh. Sambhaji Nagar / Konkan Region.
4. The Executive Director (Dist- II), Corporate Office, MSEDCL Mumbai.
5. The Regional Director, MSEDCL, Pune / Nagpur Region.

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