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No. CE (Dist)/M-I/ NSC/6660

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### CIRCULAR

Sub: Supplementary guidelines for Infrastructure development to release new connections.

- Ref.: 1) T.O. Circular No. CE(Dist)/ D-III/ NSC/ 30011, Dated: 20-12-2018.  
2) T.O. Circular No. CE(Dist)/ D-III/ Technical/ 7949, Dated: 19-03-2019.  
3) T.O. Circular No. CE(Dist)/ D-III/ NSC/ 14157, Dated: 21-05-2019.  
4) T.O. Circular No. CE(Dist)/ D-III/ FN-506/ NSC/ 27609, Dated: 30-09-2019.  
5) T.O. Circular No. CE(Dist)/ M-I/ F-516/ NSC-Augmentation/ 30441,  
Dated: 04-11-2019.  
6) Circular No. ED (Dist – II)/ LT conn sanction/ 26331, Dated: 18-09-2019.

In connection with the above subject, this office has issued circular at ref. (1) regarding Infrastructure development for release of new connection and supplementary guidelines at ref. (2), (3), (4), (5) and (6).

The issues are being reported by field offices in the implementation of circulars w.r.t determination of transformer capacity and requirement for establishment of new distribution transformer.

In this regards, the competent authority has accorded approval for the supplementary guidelines for Infrastructure development to release new connections:

- 1) Determination of Transformer capacity/ requirement for establishment of new distribution transformer:

The guidelines for Determination of Transformer capacity are provided in T.O. Circular No. CE(Dist)/ D-III/ Technical/ 7949, Dated: 19-03-2019 at Clause (1) (a) and further directives have been provided in Circular No. ED (Dist – II)/ LT conn sanction/ 26331, Dated: 18-09-2019, issued in the matter of revised delegation of powers to field offices regarding Estimate sanction for New LT connections.

The above guidelines & directives are reviewed and the infrastructure required to be proposed for release of power supply to prospective consumer is revised and same is as given in table below:

Sr No.	Load demand	Infrastructure to be proposed	Remarks								
Single/ Group of Consumers, Single Premises having small load											
1	If the load (after DF) is up to 25 / 75 / 200 KW in Rural/ Urban/ Metro areas respectively	LT Line Extension (Upto 250 rmt for Metro / Urban and upto 350 rmt for Rural area from existing LT pole/ Feeder Pillar)	<p>i) For ascertaining load availability on existing DTC for new upcoming consumer, the D.F. of 2 is to be applied on the sum of total connected load of existing DTC as per IT report &amp; the load of upcoming new consumer and same should not exceeds 80% the capacity of existing / nearby DTC</p> <p><b>and</b></p> <p>ii) total load comprising of maximum peak load reached on existing DTC and proposed load (after DF) of the applicant doesn't exceeds 80% the capacity of existing nearby DTC</p> <p><b>and</b></p> <p>if LT Line extension from existing LT pole/ LT Feeder Pillar up to consumer premises (i.e Main switch, SFU, etc) is upto 250 rmt for Metro / Urban area and upto 350 rmt for rural area , then the power supply shall be released from existing DTC only.</p> <p>In this case, sanctioning authority will verify conditions (i), (ii) and LT Line extension for technical feasibility and accordingly proposed load shall be sanctioned on existing DTC and if found feasible on existing DTC, then in such case space for installation of DTC shall not be demanded.</p> <p>However, after release of the said load of the applicant, the total load on the existing DTC exceeds 80% of DTC capacity then propose augmentation or new DTC as follows:-</p> <table border="1" data-bbox="824 1367 1442 1472"> <thead> <tr> <th>-</th> <th>Rural</th> <th>Urban</th> <th>Metro</th> </tr> </thead> <tbody> <tr> <td>New (Min.) / Augmentation</td> <td>63 /100 KVA</td> <td>200 /315 KVA</td> <td>315 /630 KVA</td> </tr> </tbody> </table>	-	Rural	Urban	Metro	New (Min.) / Augmentation	63 /100 KVA	200 /315 KVA	315 /630 KVA
			-	Rural	Urban	Metro					
			New (Min.) / Augmentation	63 /100 KVA	200 /315 KVA	315 /630 KVA					
LT Line Extension (More than 250 rmt for Metro / Urban and 350 rmt for Rural area from existing LT pole/ Feeder Pillar)	Propose new DT of appropriate capacity. Accordingly, land shall be taken from applicant for the new DT proposed in his premises as per circular.										
2	If the load(after DF) is more than 25 / 75 / 200 KW in Rural/Urban/Metro areas respectively	New DTC	<p>Commensurate capacity DTC with 100% Loading, subject to minimum as given in table row (1) above.</p> <p>If load is more than 25 KW in rural areas, 75 KW</p>								

			in urban areas & 200 KW in Metro areas new DTC be proposed in applicants premise as per capacity specified above.
Note:	a.	The total existing load on DTC shall be determined as per IT report. Respective circle IT will provide every month DTC wise connected load to division / subdivision & <b>it will make available on Dashboard if possible.</b> DTC wise consumer survey is to be carried out by Section In charge and proper consumer mapping should be done. If there is change in consumer mapping, it should be done under intimation to concerned Executive Engineer & after <b>approval of S.E.</b>	
	b.	While issuing quotation, load (before DF) or load demanded by consumer which is more should be considered. Security Deposit should be calculated accordingly. Load (After DF) is only for deciding DTC capacity. It should not be considered for issuing quotation. Also load sanction power shall be for total load (Before DF).	
	c.	Load should be calculated to determine DTC capacity as per above instead of the previous circular vide no. ED (Dist – II)/ LT conn sanction/ 26331, Dated: 18-09-2019. As per said Circular Annexure – A it was specified as Load on DTC shall be feasible subject to 70% load limit on existing DTC. The same shall be modified as below. <b><i>For asserting load availability on existing DTC for new upcoming consumer, the D.F. of 2 is to be applied on the sum of total connected load of existing DTC as per IT report &amp; to the load of upcoming new consumer and same should not exceeds 80% the capacity of existing DTC where supply will be extended.</i></b> <b><i>and</i></b> <b><i>total load of maximum peak load reached on existing DTC and proposed load (after DF) of the applicant shall not exceed 80% the capacity of existing DTC.</i></b> The other terms, Authority for sanction as per said letter i.e. Delegations of Powers remains the same.	
	d.	<b>This above said loading criteria is applied only for Resi., Comm. And Ind. Category DTC.</b>	

In case of any ambiguity or different cases, concern SE (O&M) will take final decision.

2) EXECUTE THE WORK UNDER NSC SCHEME WHERE SCC IS MORE THAN THE ESTIMATE COST (including RI charges)

It is observed that field offices are sanctioning the load under DDF Scheme on Non – refundable basis by execution of work through licensed electrical contractor under MSEDCL supervision at a rate of 1.3% of Normative charges where schedule of charges of individual connection or group of connections is more than the estimate cost (including RI charges), which is loss to the Company and is very matter of concern.

In this regards, it is proposed that if the Service Connection Charges (SCC) of individual connection or group of connections is more than the estimate cost (including RI charges), then in such cases

**Either** recover all the Service Connection charges from the Applicant / Developer / Builder and sanction the estimate under NC scheme only and get the said work to be executed by the Empanelment Agencies under NC Infra Scheme. In the IT system same shall be verified that

if SCC is more than cost of estimate then system generated quotation shall be as per actual schedule of charges depending upon applied load by default.

**Or** recover the differential amount between total SCC and Estimate Cost shall be recovered from Applicant / Developer / Builder and Applicant / Developer / Builder shall be allowed to execute work through licensed electrical contractor under MSEDCL supervision at a rate of 1.3% of Normative charges.

Accordingly IT will develop the NC system

3) **RELEASE PARTIAL LOAD ON URGENT BASIS**

If the Applicant / Developer / Builder requires partial load is to be released on urgent basis out of sanctioned load and requires more time to complete the sanctioned work as per estimate then in such cases, SE (O&M) will take the decision to release the partial load subject to sanction and if technically feasible on existing network. The necessary work required for release of this partial load shall be executed in DDF scheme only on non refundable basis, subject to the handing over of required piece of land to MSEDCL

4) **TO DETERMINE THE LAND FOR ELECTRICAL INFRASTRUCTURE IN REDEVELOPMENT CASES**

In metropolitan or urban areas there are cases of redevelopment, the land for electrical infrastructure is considered as per new load. In such case, if adequate land is not available for new DTC, then Land shall be acquired on lease for new DTC limited to new additional load. For existing load, if physically separated and if feasible then power supply to such entire premises shall be released on existing network in the area by augmentation of existing DTC in the area instead of insisting for land for new DTC. The cost of such augmentation shall be borne by the Developer in DDF Scheme on Non – refundable basis either by execution of work through licensed electrical contractor under MSEDCL 1.3 % supervision or execution by MSEDCL in New Consumer/ Connection Scheme after deposit of cost for such augmentation to MSEDCL.

5) **REQUEST LETTER TO LOCAL MUNICIPAL CORPORATION / ZILLA PANCHAYAT / PARISHAD**

It is observed that, in some Municipal Corporation, there is no provision in DC rules to provide space for electric substation for providing permanent power supply or generally for plot / bungalow projects.

In this regard all CEs &SEs are instructed to write request letter to Local Municipal Corporation / Zilla Panchayat / Parishad to reserve space for electric substations & associated infrastructure of MSEDCL while sanctioning development plan considering future load growth of City / Village / of that area as well as in sanction plan of any project by Developer / Builder / Govt. schemes. The said request letter format is already issued vide letter no. CE(Dist.)/M-I/F-507/NSC/28996 Dtd. 17.10.2019.

And also it is observed that in the adjacent area of Metro, Nagar Panchayat, Nagar Palika, development by making plotting or Gunthewari System is being imposed. Afterwards small apartments has developed on these plots and issue of overloading of DTC has occurred repeatedly. Therefore, for

such type of plotting scheme / Gunthewari scheme, if not approved by concerned authority, total load shall be calculated by considering 75 watt/Sq. Mtr. of the plotting area and depending upon the FSI in that area on proposed plot accordingly request Applicant/Developer/Builder to spare a piece of land for electric substations & associated infrastructure of MSEDCL as per MSEDCL rules.

The above circular is available on company website [www.mahadiscom.in](http://www.mahadiscom.in) under Distribution Section Circulars. No hard copy will be issued.

  
Chief Engineer (Distribution)

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