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**E.D.(Dist-II)/Guidelines/NonSoP/25388**

**Date:11.09.2019**

**Sub:** Guidelines for sanctioning of power supply to Existing / New Consumers demanding power supply on higher voltage level (Non SoP level) than specified in MERC Standard of Performance (SoP) Regulations, 2014.

**Ref:**

1. MERC Standard of Performance Regulations, 2014
2. Commercial Circular No. 224 dt. 05.07.2014
3. Commercial Circular No. 225 dt. 05.07.2014
4. Commercial Circular No. 291 dt. 29.06.2017
5. Circular No. CE (Dist)/D-III/NSC/30011 dt. 20.12.2018
6. Board Resolution No. 1715 dtd. 22.04.2019
7. Board Resolution No. 1799 dtd. 1.07.2019

MERC vide its SoP Regulations 2005, Regulation 5.3 classified the installations & limit of Contract Demand for giving power supply.

MERC vide its SoP Regulations, 2014 have increased the load levels for releasing connections on a particular voltage. Further, MERC vide its Regulation 5.3 (a)(i),(ii),(iii),(iv),(v),(vi) & order dt. 17.08.2015 in Case No. 138 of 2014 has classified the Installation tabulated as below:

Contract Demand Limit	Voltage Level			
	11 KV	22 KV	33 KV	EHV
(1)	(2)	(3)	(4)	(5)
Limit of Contract Demand (KVA)	Above 187 up to 3000	Above 3000 up to 7500*	Above 7500 up to 10000*	Above the maximum* limit specified in (3) or (4).

\* The maximum permissible Contract Demand on 11 KV, 22 KV & 33 KV can be extended up to 5000 KVA, 10000 KVA & 20000 KVA, if the consumer opts for Express Feeder.

MSEDCL has to follow Standard of Performance timelines framed by the MERC to provide power supply to all completed applications.

We are receiving applications from New as well as existing consumers for seeking power supply at Higher Voltage Level than the prescribed voltage level by MERC vide its SoP Regulations,

2014. Further, we are also receiving applications from the existing consumers who are already connected on higher voltages level (Non SoP), for Enhancement/Reduction in their load on existing voltage level.

It is also observed that in some cases there are practical constraints like non availability of bay due to space constraints in the sub stations, Sub-station / network capacity constraints, Right of way not available, etc, due to which power supply cannot be released on prescribed voltage level. Considering these issues for releasing power supply to the existing as well as prospective consumer, proposal for seeking instructions from the Board in above mentioned cases was put up before the Board in Meetings dt. 22.04.2019 & 01.07.2019. The Board discussed the issues and resolved as under.

1. The applications of New Consumer demanding power supply on higher voltage level than MERC's prescribed Standard voltage level shall be processed as under,
  - a. In case, there are no network constraints in releasing the power supply then, Supply can be availed by such consumer by laying express feeder from EHV or MSEDCL Distribution Substation (33/11 KV, 33/22 KV, 22/11 KV Substation or 22 KV Switching Stations) at his own expenses (Dedicated Distribution Facility) as per the guidelines issued vide Circular No. CE (Dist)/D-III/NSC/30011 dt. 20.12.2018 for release of NSC provided,
    - (i) The loading condition at substation or 33 or 22 KV source line of Substation/ Switching Station permits to allow for the additional load,  
and
    - (ii) The bay required at substation for express feeder is feasible.  
*(Refer sample Illustrative Case I)*
  - b. If the applicants are requesting fresh power supply on nearby General Feeder of higher voltage (Non SoP) then,  
Supply will not be released on nearby General feeder of higher voltage level (Non SoP). In such cases, MSEDCL will erect the required SoP voltage level feeder & release power supply to the consumer as per SoP time limit from the feeder.  
*(Refer sample Illustrative Case II)*
  - c. If prescribed voltage level is available but, there are network constraints/capacity constraints in releasing the power supply then, MSEDCL will develop required infrastructure to resolve network/capacity constraints by observing SoP timelines & release power supply on SoP level.  
  
While developing aforesaid infrastructure either by MSEDCL or applicant, if RoW issues are faced and are not resolvable then, the matter shall be referred to MERC for guidelines in such cases.
  - d. If prescribed voltage level is not at all available in the area of Sub Division/ Division & only Non SoP voltage level is available, then supply will be released on Non SoP level.  
*(Refer sample Illustrative Case III)*
2. If an existing consumer, who is already connected on higher voltage feeder (Non SoP level), requests for enhancement/reduction of Contract Demand, then such change of Contract Demand shall be allowed on existing voltage level subject to the condition that, the entire expenditure required is to be borne by the consumer. However, the approval of such Non SoP voltage level cases shall be approved from H.O. only.

3. In some circumstances, due to difficulties faced in laying of a separate feeder from the S/s to consumer premises, the new consumers are demanding power supply by tapping the HT line between two Sub stations or Higher Voltage Line passing near to the consumer premises. As per MSEDCL policy, direct tapping of the line between two substations is not allowed.
- a) The power supply to New consumer on 22/33 KV Feeders supplying power to substations with LILO arrangement may be sanctioned provided that such release of connection is not possible by laying a dedicated feeder under DDF either from EHV substation or from Distribution substation due to issue viz. ROW constraints, Technical non feasibility, non-availability of Bay etc. The concerned S.E.(O&M) shall submit such proposal with clear justification to Competent Authority at Head Office accordingly through concerned Joint Managing Director/ Regional Director.
  - b) The LILO facility will be considered in exceptional cases only with terms and conditions as enclosed in Annexure (A).
  - c) All such proposal shall be submitted to Head office (HO) for approval of Competent Authority.
  - d) The Director (Operations) in consultation with concerned Regional Director/ Joint Managing Director will act as the Competent Authority to give approval to such proposals.
  - e) All field officers are hereby instructed that normally NSC or additional load shall be released on MERC prescribed voltage levels only. Any exceptions cases (Non SoP voltage level) shall be submitted to H.O. with proper justifications, technical feasibility from MSEDCL/ MSETCL and recommendation from concerned Joint Managing Director/ Regional Director.

All filed offices are requested to follow above instructions and guidelines scrupulously.

The copy of circular is available on [www.mahadiscom.in](http://www.mahadiscom.in)

  
**Executive Director (Distribution-II)**

**Encl:-** Annexure (A).

## **Illustrative Case**

### **Illustrative Case I:**

<b>CD Demanded</b>	<b>Available Voltage Level</b>	<b>Request is on 33 KV Dedicated feeder *</b>	
		<b>From EHV S/s</b>	<b>from MSEDCL S/s subject to feasibility</b>
<i>Above 3000 KVA</i>	<i>11 &amp; 33 KV</i>	<i>May Be considered</i>	<i>if it is not feasible from EHV.</i>
<i>Below 7500 KVA</i>	<i>22 &amp; 33 KV</i>	<i>May not considered</i>	<i>May not considered</i>

\* Express feeder shall be permitted as per Circular No. CE (Dist)/D-III/NSC/30011 dt. 20.12.2018

### **Illustrative Case II:**

<b>CD Demanded</b>	<b>Available Voltage Level</b>	<b>Requested on 33 KV General feeder</b>
<i>Above 3000 KVA</i>	<i>11 &amp; 33 KV</i>	<i>May Be considered</i>
<i>Below 3000 KVA</i>	<i>11 &amp; 33 KV</i>	<i>May not considered</i>
<i>Below 7500 KVA</i>	<i>22 &amp; 33 KV</i>	<i>May not considered</i>

### **Illustrative Case III:**

<b>Available Voltage Level</b>	<b>Request for H T Connection</b>	
<b>Only 22 KV</b>	<i>CD Above 187 and up to 7500 KVA on general 22 KV feeder</i>	<i>Request to be considered at field level.</i>
	<i>CD Above 7500 KVA up to 10000KVA on 22 KV Express feeder#</i>	
<b>22 &amp; 33 KV</b>	<i>CD Above 187 and up to 7500 KVA on general 22 KV feeder</i>	<i>Request on 22 KV to be considered at field level.</i>
	<i>CD Above 7500 KVA up to 10000KVA on 22 KV Express feeder#</i>	

# Express feeder shall be permitted as per Circular No. CE (Dist)/D-III/NSC/30011 dt. 20.12.2018

### **Annexure -(A)**

#### Terms and conditions for LILO:

- a) The Contract Demand of the consumer is more than 3 MVA and availing power from MSEDCL only.
- b) LILO arrangement will not be allowed for a 33/22 KV line having more than two substations connected on it. Further, LILO arrangement for only One HT consumer will be allowed on one line.
- c) The Max Recorded Load of the feeder on which LILO arrangement is proposed shall not exceed more than 70 % of its rated capacity after release of proposed load.
- d) LILO arrangement shall be permitted only with SCADA arrangement having Remote control facility at MSEDCL nearby S/s. The required proposal & SCADA arrangement, check meter (as applicable) shall be proposed by S.E. (TQA).
- e) LILO arrangement shall be executed as per MSEDCL specification, drawing approved by Testing. This approval is subjected to the functioning of the LILO arrangement with SCADA facility. Proper functioning of LILO arrangement with SCADA for minimum period of five years from date of commissioning shall be the responsibility of the applicant with its all expenses.
- f) The expenditure incurred towards LILO arrangement including augmentation of line capacity shall be borne by the applicant & will not be refunded.
- g) The proposal will be initiated by concerned Zonal Chief Engineer with justification & recommendation to LILO arrangement along with technical feasibility from MSETCL/ MSEDCL and submitted to H.O for approval.
- h) The applicant shall submit consent to trim its load (staggering of load / planned maintenance outages) on intimation from MSEDCL, In case of Load trimming situation , the LILO section will be isolated till restoring the Grid normalcy.
- i) This would be an interim arrangement. The consumer has to arrange erection of feeder at MERC prescribed voltage level at his own expenses within 3 (Three) years from the date of release of connection. The consumer shall submit an undertaking on Rs. 500 stamp that he shall switch over to the new feeder erected by himself or MSEDCL (only in case it is made available).
- j) The consent/undertaking of the consumer, in the prescribed format should be taken & uploaded in IT system. The applicant shall undertake that, MSEDCL will be neither responsible nor indemnify for any loss or damages arising due to such arrangement.