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CIN.U40109MH2005SGC153645

No. CE (Dist)/D-III/Technical/07949

Date:- 19.03.2019

To,
The Chief Engineer,
All O&M Zones,

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

Ref:- 1) T.O. Circular CE(Dist)/D-III/NSC/30011, Dated 20.12.2018.

The circular for infrastructure development to release new connection has been issued by this office with comprehensive guidelines for assessment of load, determination of transformer capacity (infrastructure), land/ space area norms for installation of transformer, leasing of land parcel, recovery of expenditure and timeline for according approvals, etc along with sample specimen undertakings & lease agreement upon which feedback received from field office.

The following supplementary guidelines are issued for clarification on issues raised by various Field Engineers in order to facilitate timely approvals by MSEDCL and subsequent development of infrastructure:-

1. Determination of Transformer capacity:-

- a. The infrastructure proposed will be worked out considering voltage levels prescribed in SoP, Regulations. i.e if power supply is required propose infrastructure as follows:-

Sr No	Load demand	Infrastructure to be proposed	Remarks			
Single/Group of consumers, Single premise having small loads						
1	If the load is upto 15/50/150 kW in Rural/Urban/Metro areas respectively	LT Line extension (Not more than 150 Rmt from existing LT pole / feeder pillar)	If after release of the said load of the applicant, the total load of the existing DTC doesn't become more than 80% the capacity of the existing nearby DTC and if LT line extension from existing LT pole / LT feeder pillar upto consumer premises (i.e. Main switch, SFU, etc.) is less than 150 Rmt, then the power supply shall be released from existing DT only. In such case space for installation of DT will not be demanded. However, after release of the said load of the applicant, the total load on the existing DTC becomes more than 80% of DTC capacity then propose augmentation or new DTC as follows:-			
				Rural	Urban	Metro
			Augmentation	63 to 100 kVA 100 to 200 kVA	200 to 315 kVA 315 to 630 kVA	500 to 630 kVA 630 to 1000 kVA
	New (Min.)	25 kVA	100 kVA	315 kVA		

			And if LT line extension from the existing LT pole / LT feeder pillar is more than 150 Rmt, then propose new DT of appropriate capacity. Accordingly, land shall be taken from applicant for the new DT proposed in his premises as per circular under reference.
2	If the load is more than 15/50/150 kW in Rural/Urban/Metro areas respectively	New DTC	Commensurate capacity DTC with 80% loading, subject to minimum as given in table row (1) above.
			If load is more than 15 kW in rural areas, 50 kW in urban areas & 150 kW in metro areas new DTC be proposed in applicants premise.

- b. If proposed load is feasible on existing DTC provided the total load on existing DTC doesn't exceed 80% of its capacity after release of new load, new DTC is not to be established and hence land is not required.

Example 1 (in Metro area).

- | | |
|---|---|
| i) Proposed new Load | : 150 kVA. |
| ii) Nearby Existing DTC capacity | : 630 kVA. |
| iii) Maximum Loading on existing DTC | : 250 kVA. |
| iv) Total loading on existing DTC including proposed load | : 400 kVA. i.e 63.49% loading which is less than 80% maximum loading. |

Example-2 (in Urban area).

- | | |
|---|--|
| i) Proposed new Load | : 50 kVA. |
| ii) Nearby Existing DTC capacity | : 200 kVA. |
| iii) Maximum Loading on existing DTC | : 80 kVA. |
| iv) Total loading on existing DTC including proposed load | : 130 kVA. i.e 65% loading which is less than 80% maximum loading. |

Example-3 (if service length is more than 150 Rmt.)

- | | |
|---|--|
| i) Proposed new Load | : 150 kVA. |
| ii) Nearby Existing DTC capacity | : 630 kVA. |
| iii) Maximum Loading on existing DTC | : 250 kVA. |
| iv) Total loading on existing DTC including proposed load | : 400 kVA. i.e 63.49% loading which is less than 80% maximum loading. However distance between feeder pillar and consumer premise is more than 150 mtr hence new DT of appropriate capacity shall be proposed. |

However, the consumer/ developer shall give RoW for laying I/C & O/G lines (U/G or O/H) in the premises clearly marked on the sanctioned plan/ layout. In case of U/G cable, cable trench should be provided by applicant in his premises.

In MIDC areas, corridor is provided by MIDC for electrical infrastructure development. Hence, land for transformer is not to be requested from individual consumers in MIDC areas to develop infrastructure if provided by MIDC.

2. Development of Infrastructure under urgency by the applicant & refund of expenditure:-

- a. The developer/ applicant/ consumer or a group of consumers, can opt for development of infrastructure, on account of urgency, through Licensed Electrical Contractor (LEC) under MSEDCL supervision and claim refund of the expenditure, if so requested at the time of application of power supply. The estimates for such cases will be sanctioned under NSC scheme.
- b. MSEDCL will reimburse works cost of material with Erection/ Labor charges thereon (at the rate of 5% for Inside substation & 15% for outside substation works). The cost of material to be considered for refund will be as per cost data prevailing at the time of sanction of estimate.
- c. The GST will be paid additional on the cost of material & erection charges, at the rates notified by Government on works contract, as per cost data at the time of sanction of estimate (presently 18%).
- d. The refund of cost of material and erection charges will be made for only works carried out upto mains supply/ SFU.

Sample Estimate:

Sr No	Particulars	Inside Substation		Outside Substation	
		Rate(%)	Amount	Rate(%)	Amount
i	Cost of material	100	100	100	100
ii	Erection Charges {on (i)}	5	5	15	15
iii	GST {on (i)+(ii)}	18	18.9	18	20.7
iv	Total Estimate cost (i+ii+iii)	123.9	123.9	135.7	135.7
v	Supervision charges (on iv)	1.3	1.61	1.3	1.76
vi	GST on supervision {on (v)}	18	0.28	18	0.31
vii	Total Supervision charges {(v)+(vi)}	1.90	1.9	2.08	2.08

Note:-

- Amount to be refunded Rs 123.9 (Inside Substation) & Rs 135.7 (Outside Substation)
 - The supervision charges to be paid by developer and are not to be refunded.
 - The centages like Transportation, T&P, Contingencies, Contractor profits, Insurance and Finance charges, etc are not reimbursable.
 - The RI charges paid to the local authorities or any incidental charges paid will not be refunded.
- e. The refund of expenditure shall be carried out in five (05) equal installments. There shall be no delayed payment charges or interest liable and permitted over and above amount to be refunded. The refund of expenditure will be permitted only after release of permanent power supply to project/ consumer. In case of phase wise projects where group of

buildings are there in first or further phase, refund will be carried out only after completion of all works and release of permanent power supply to each building in the phase.

- f. The refund proposals where LT line extension is required will be accorded approval by concerned Divisional Executive Engineer. The proposals where HT/LT network and DTC installation together is required will be finalized by Circle Superintending Engineer and all other cases (group complex with HV/EHV Substation and LV distribution network) will be approved by concerned Zonal Chief Engineer. Sample cross checking of refund proposals (minimum 5%) will be done by next higher authority eg. if refund proposal is sanctioned by EE/SE/CE then the next higher authority i.e SE/CE/RD respectively shall carry out minimum 5% sample checking annually with details of compliance to guidelines and discrepancies to be appraised to Corporate Office.
- g. It would be the responsibility of the proposal approving authority to ensure that all the assets created under the project is capitalized in the books of accounts.

3. Recovery of Service connection charges:-

- a. If applicant/ developer is providing all required infrastructure under DDF, including service connection then only 1.3% supervision charges on estimate are to be recovered, 1.3% Normative Charges on entire service connection charges (SCC) for all connections are to be recovered. No refund of SCC or cost of estimate in future whatsoever. RoW / R,I,charges will be resolved by applicant / developer.
- b. If applicant/ developer opt & willing to develop infrastructure including service connection, due to his urgency and requested for refund of material cost & labour, in such case the cost of material will be refunded in five equal installments as mentioned in 2 (e) but entire Service Connection Charges (SCC) will be recovered from applicant/developer for all connections in the premise. Refund may be permitted subject to payment of entire SCC for all connection in the premises. RoW / R,I, charges will be resolved by applicant / developer.
- c. If applicant /developer did not opt above both options, then in such case MSEDCL will develop entire infrastructure under NSC scheme, however MSEDCL shall not be responsible for delay in providing electrical infrastructure for the Applicant/ Developer due to issues related to handing over land, RoW issues, statutory clearances or for reasons beyond the control of MSEDCL.

4. Taking over of land for infrastructure proposed:

- a. The taking over of land and RoW for laying I/C & O/G lines (O/H or U/G) from applicant/ developer for infrastructure, will be carried out by concerned Executive Engineer for DTC cases and Superintending Engineer of MSEDCL for HV/EHV substation cases (including DTC land) respectively.

- b. The land and RoW will be taken over by above authorities only after measurement by Civil wing and as per land area norms prescribed in the company circular.

The applications received for new connections power supply and estimates sanctioned before 01.01.2019 shall be implemented as per guidelines provided in old circulars.

The above supplementary guidelines are to be scrupulously followed.

This is for your information & further necessary action.


(K. S. Shegokar)

Chief Engineer (Distribution)

Copy submitted w.r.to:-

- 1) The Director (Operations), MSEDCL, Corporate Office, Mumbai.
- 2) The Joint Managing Director, MSEDCL, Regional Office, Aurangabad.
- 3) The Regional Director, MSEDCL, Regional Office, Konkan/ Pune/ Nagpur.
- 4) The Executive Director (Dist.-II), MSEDCL, Corporate Office, Mumbai.
- 5) The Executive Director (IT & BR), MSEDCL, Corporate Office, Mumbai.