

MINUTES OF MEETING

OF THE

MUMBAI DISTRIBUTION NETWORK ASSESSMENT COMMITTEE (M-DNAC)

Date :- 7 August, 2023

Venue :- MERC (13th Floor – World Trade Centre)

Present :- Dr. Prafulla Varhade, Chairman (Commission's Officer)
Dineshchandra Saboo, Member (External)
Dilip Dumbre, Member (Ombudsman's Officer)
Rakesh Guhagarkar, Member (Commission's Officer)

Licensee's representatives (Meeting at 2.00 pm):

Vivek Mishra – AEML-D
Rahul Hanchate – AEML-D
Shishir Mahulkar – AEML-D

Licensee's representatives (Meeting at 3.30 pm):

Swati Mehendale – TPC -D
Hawwa Inamdar – TPC -D
Vikas Koul – TPC-D
Shriram Savarkar – TPC -D
Hitesh Gokani – TPC-D

Discussions held

The Committee held its meeting with both Licensees i.e. AEML-D and TPC-D on 7 August, 2023 in continuation with the meetings held on 18 July and 19 July, 2023. In earlier meetings, both Licensees were asked to submit comparison of their methodologies with the methodologies of MSEDCL and BEST for estimation of Maximum Demand (**MD**) on sample case basis for releasing new connections and to give their views on further improvement in the methodology. Additionally, it was observed by the Committee that due to competition, there is a tendency to calculate the MD on a lower side so that substation requirement could be waived. Therefore, for fair competition, the Committee prepare common norms for MD estimation.

Accordingly, on the issue of MD estimation, AEML-D explained its calculations during the meeting as covered in its comparison report submitted on 4 August, 2023 for three sample cases (i.e. two Residential & one Commercial) with two types of measurements for same areas (i.e. Build-up area as submitted by developer and Carpet Area measurements as per MAHARERA website). AEML-D noted some errors in the data available on MAHARERA website and requested to prefer MD estimation based on Built-up area. AEML-D further clarified that it is ready to accept methodology based on any measuring type (Build-up or Carpet area measurement) which will bring uniformity among the Licensees for estimation. The Committee observed that difference between Built-up area to Carpet area values (Sq Mtr) of sample cases submitted by AEML-D was smaller (around 90%) than generally observed in other cases (around 80%).

During discussion with TPC-D, it reiterated that based on its experience and past conducted studies (sample size: 50 projects ageing more than 5 years), it has arrived at demand factor (DF) for different types of loads. Thereafter, TPC-D calculates probable MD by using connected load (CL) and applicable DF depending on the type of load ($MD = CL \times DF$). TPC-D compared its calculations of MD (sample size: 100 Residential premises with 10kW as CL and Carpet area as 46.45 Sq Mtr) with the MD of MSEDCL and BEST derived based on their respective norms. TPC-D stated that its MD is arriving more closer to DF of BEST and it could adopt the BEST norms with certain modifications in load corresponding to common amenities. The Committee observed that for arriving at MD of BEST, TPC-D used Built-up area. Therefore, TPC-D was asked to submit its views for MD estimation considering BEST norms along with Carpet area calculations.


Further, the issue of setting the norms for loads for mandating to acquire substation was discussed. AEML-D agreed to follow the norms provided that same are made be applicable to both Licensees whereas TPC-D stated that in case of SRA plots, there may not have enough space for Substations. Further, its assets created in past during earlier roll out are still underutilized. Hence, making it mandatory to build substation over certain load, may lead to asset duplication and will have financial burden on its consumers. This may also result in stranding of its existing assets.

TPC-D was asked to submit its detailed view regarding insisting on Substation space.

The Committee decided that, if necessary, another meeting will be conducted with TPC-D to understand their methodologies after its revised submission on MD estimation with revised calculations.


Rakesh Guhagarkar,
Member (Commission's Officer)


Dilip Dumbre,
Member (Ombudsman's Officer)


Dineshchandra Saboo,
Member (External)


Dr. Prafulla Varhade,
Chairman (Commission's Officer)