



भारत सरकार
Government of India
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority
वितरण प्रबोधन प्रभाग
Distribution Monitoring Division

Subject:- Inviting Public Comments on Draft Universal Feeder Code.

Ministry of Power (MoP) through various Central Public Sector Enterprises such as REC & PFC is implementing various schemes related to strengthening of power distribution infrastructure and monitoring of quality and quantity of power being supplied by the Distribution Companies of country.

In this regard, for better utilization of the installed infrastructure under any scheme, it is required that the existing infrastructure of respective DISCOMs should be mapped digitally. In order to do so, an unique feeder code for each feeder (Rural & Urban both) is required to be generated. which shall be used for identification of particular feeder and the attributes related to it.

In view of above, MoP vide its letter No. 47/17/2016-RE dated 02nd Jul, 19 has directed CEA to formulate a guideline/ methodology for generation of unique feeder code for each feeder (Rural & Urban) to map each electricity supply related infrastructure of the Discoms.

In persuasion of direction, a **committee** has been constituted comprising members from CEA and Discoms of West Bengal State Electricity Distribution Company Limited (WBSEDCL), Mangalore Electricity Supply Company (MESCOM), Tata Power Delhi Distribution Limited (TPDDL) and BSES Yamuna Power. A meeting of the committee of was held on **8th August, 2019 in CEA.**

Summary of discussion point of above meeting is provided at **Annexure-I**. Summary also proposes a **Provisional Feeder Code** and all are requested to please provide inputs, if any, in relation to desired modification of Feeder Code latest by **15.09.2019** on ce.pfam.cea@gov.in or cefacea@rediffmail.com.

-/sd
(Alok Dwivedi)
Deputy Director

CE(DM) Division took a meeting on 8th Aug 2019 to discuss “PREPARATION OF GUIDELINES/METHODOLOGY FOR GENERATION OF UNIQUE FEEDER CODE”

CE, DM Division welcomed participant and mentioned that MoP vide its letter No. 47/17/2016-RE dated 02nd July, 19 has directed CEA to formulate a guideline/ methodology for generation of unique feeder code for each feeder (Rural & Urban) to map each electricity supply related infrastructure of the Discoms.

CE(DM) informed that a committee has been constituted comprising members from CEA and Discoms, for the purpose. He mentioned that the requirement for all-India level unique feeder coding would provide benefits like:-

- i. Possibility of creating Centralized Database.
- ii. Ease in monitoring of operational parameter at feeder level
- iii. Open up opportunity for availing Availability Based Tariff
- iv. Facilitate implementation of Carrier-and –Content operation
- v. Systemic Study for improving operational efficiency and reduction of AT&C loss become possibility
- vi. Helps in achieving objective of Power For All.

Further, existing feeder coding used by different Discoms for the purpose of SCADA and other IT enablement provisions was discussed in detail. It was mentioned by Discoms (TPDDL, MESCOM, WBEDCL and BYPL) that they have their unique coding for feeders. They were also requested to provide in brief the methodology followed by them currently for feeder coding, showing the coverage of voltage level of feeders, & purpose of use etc.

In the meeting, the following was discussed:-

- Following issues with Coding were discussed:
 - i. How to reform already exiting Feeder Coding System
 - ii. Uniformity across different types of feeder like Ring Mains, Radial and Mesh type feeders

➤ Following **PROVISIONAL FEEDER CODE** emerged after brainstorming during the meeting, for National/State/Discom level monitoring purpose:-

i. It will be **14 Character Alpha-Numerical code**.

1 2 3 4 5 6 7 8 9 10 11 12 13 14

ii. First two places (i.e. 1&2) of code will be alphabetical and will represent State name eg. UP for Uttar Pradesh, GU for Gujarat etc.

iii. Next three places (i.e. 3,4&5) will also be alphabetical and will represent name of Discom eg. DGV for DGVCL of Gujarat, DVV for DVVNL.

iv. Next three places (i.e. 6,7&8) will again be alpha-numeric and will represent originating substation eg RKP for RK Puram. (If more than one sub-stations exist in a particular locality, then RK-1 will be used for 1st sub-station in RK Puram)

v. Next two places (i.e. 9&10) will be numerical and will represent voltage level of feeder.eg 33 for 33KV, 11 for 11KV and 06 for 6.6KV etc.

vi. Next place (i.e. 11) will be alphabetical and will represent type of feeder as mentioned below:

<u>Type of Feeder</u>	<u>Code letter</u>
Urban	U
Rural	R
Mixed	M (Urban & Rural or Rural and Agriculture)
Agriculture	A
Water Supply	W

vii. Last three places (i.e. 12,13 & 14) of code will again be alpha-numeric and will represent name of feeder. Eg R.K.Puram 1 feeder as RK1.

Meeting ended with thanks to Chair.