

Telephone No. 080 22243926  
Fax No. 080 22110134  
Website: <https://kptcl.karnataka.gov.in/>



Email ID: [gmtkptcl@gmail.com](mailto:gmtkptcl@gmail.com)

## KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

CIN No. U40109KA1999SGC025521

Corporate Office  
Kaveri Bhavan, K.G Road,  
Bengaluru - 560 009

Date: 08.07.2022

EE(IT-1)  
S.L. 13/12/22  
AGGS  
13/7/22

No. KPTCL/B19/345/85-86

### CIRCULAR

**Sub:** Identification Codes for existing Transmission Line tower designs used in KPTCL - reg.

- Ref:**
- 1) Corporate Circular No. KPTCL/B19/345/85-86 dated 25.06.2021.
  - 2) Corporate Circular No. KPTCL/B19/345/85-86 dated 19.08.2021.
  - 3) Note of CEE (P&C), KPTCL dated 05.05.2022.
  - 4) Corporate Circular No. KPTCL/B19/345/85-86 dated 01.06.2022.
  - 5) Note approved by the Managing Director, KPTCL on 07.07.2022.

\*\*\*\*\*

Various type of tower designs are being adopted in KPTCL for construction of overhead Transmission Lines for different projects. The existing tower designs are being called by the name of the Transmission Line for which it is designed along with the name of the executing company. Due to different type of tower designs under different Voltage classes, there is no uniformity in identification of type of tower design adopted for a particular project.

In order to have uniformity in identification of Transmission Line tower designs, Corporation has taken a decision to adopt codification of existing designs of Transmission Line towers being used in KPTCL for easy identification of various types of tower designs under different Voltage class.

Depending on the Voltage class, type of tower design and Transmission Line for which it has been designed, identification codes has been specified for different types of tower designs as below:

KPTCL	-	4 - for 400kV 2 - 220kV 1 - 110kV 6 - 66kV 26 - 220/66kV 21 - 220/110kV	M - Multi Circuit D - Double Circuit	-	QM - Quad Moose TM - Twin Moose NB - Narrow Based	-	Short form of name of Transmission Line for which tower is designed.
-------	---	--	---	---	---	---	---

Corporate Circular dated 25.06.2021 and amendment dated 19.08.2021 has been issued for adoption of new 110kV DC towers of M/s. Kalpataru design adopted for the work of establishing 2x100MVA, 220/110/11kV Sub-station in the premises of M/s. AEQUS SEZ Pvt Ltd (Code: KPTCL-1D-AEQUS).

Corporate Circular dated 01.06.2022 has been issued for adoption of new 66kV DC towers of M/s KGN Electricals adopted for the work establishing 2x100MVA, 220/66/11kV Sub-station at Nagamangala in Nagamangala Taluk, Mandya District (Code: KPTCL-6D-NGML).

The identification codes for different types of tower designs as annexed to this Circular shall be adopted for all future projects in KPTCL with immediate effect.

Any clarifications on the above shall be obtained from SEE (Technical) / SEE (Civil), O/o Chief Engineer Elec, P&C, KPTCL, Kaveri Bhavan, Bengaluru.

*PP 08/7/22*  
General Manager (Tech)  
KPTCL

**To:**

1. All Chief Engineers Electricity, KPTCL
2. All Financial Advisors, KPTCL
3. All Superintending Engineers, Electy., KPTCL
4. All Controllers of Accounts, KPTCL
5. All Executive Engineers, Elect., KPTCL
6. All Deputy Controller of Accounts, KPTCL
7. SPS to Managing Director / Director (Transmission) / Director (Finance) / Director (A&HR) / Company Secretary / KPTCL, Kaveri Bhavan, Bengaluru.

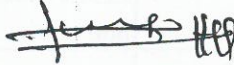
**Copy to:**


1. The Superintending Engineer (Elect.), IT & MIS, with a request to arrange to upload this Circular in KPTCL website.


## TYPE OF TOWERS USED IN KPTCL

Voltage class	Type of Towers	Conductor & Span length	Line	Proposed Tower design Identification Code
400KV	400KV DC Towers of M/s. KEC design	Twin ACSR Moose & 400M	400KV BTPS - Hiriyur DC line	KPTCL-4D-TM-BTPS
	400KV DC Towers of M/s. Deepak Cable design	Quad ACSR Moose & 400M	400KV Shantigrama - UPCL DC line	KPTCL-4D-QM-UPCL
	400KV DC Towers of M/s. L&T design	Quad ACSR Moose & 400M	400KV YTPS-BPS Line	KPTCL-4D-QM-YTPS
	400KV DC Towers of M/s. KEC design	Quad ACSR Moose & 400M	400KV Vasantnarasapura - Kelaginakanive	KPTCL-4D-QM-VSNP
	400KV MC Towers of M/s. L&T design	Quad ACSR Moose & 400M	400KV YTPS-BPS Line	KPTCL-4M-QM-YTPS
	400KV MC Towers of M/s. Kalpataru design	Quad ACSR Moose & 400M	400KV BPS-Rampura Line	KPTCL-4M-QM-BPS
220KV	220KV DC Towers of M/s L&T design (conventional base)	Drake ACSR & 320M	220KV Gadag - Bagalkote line	KPTCL-2D-GDG
	220KV DC Narrow Base towers of M/s L&T design	Drake ACSR & 320M	220KV NRS - Laggere	KPTCL-2D-NB-NRS
	220KV DC Narrow Base towers of M/s L&T design	AAAC Moose & 200M	220KV Hoody - HAL	KPTCL-2D-NB-HAL
	220KV MC Towers of M/s KRR design (conventional base)	Drake ACSR & 320M	220KV Shivamogga - Dugidimane line	KPTCL-2M-DGM
	220KV MC Narrow Base Towers of M/s L&T design	AAAC Moose & 200M	220KV VKTP line	KPTCL-2M-NB-VKTP
	220KV MC Narrow Base Towers of M/s KEC design	AAAC Moose & 320M	Devanahalli Hardware park	KPTCL-2M-DHP
		AAAC Moose & 150M		KPTCL-2M-NB-DHP
	220KV MC Narrow Base towers of M/s L&T design	AAAC Moose & 320M	Mylsandra project	KPTCL-2M-MYLS
	220KV MC Narrow Base Towers of M/s KEC design	AAAC Moose & 320M	New Devanahalli project & SBT corridor	KPTCL-2M-NB-NEWDHP
	220/66KV MCMV Towers of M/s L&T design	Drake ACSR, Coyote ACSR & 320M	220/66KV MCMV Hoskote-BIAL	KPTCL-26M-BIAL
	220/110KV MCMV towers of M/s L&T design	Drake ACSR, Lynx ACSR & 320M	Khemar - Guruvaynkere MCMV line	KPTCL-21M-KHMR
220/110KV MCMV narrow base towers of M/s L&T design	Drake ACSR, Lynx ACSR & 320M	Kavoor - Kheemar MCMV line	KPTCL-21M-NB-KVR	

110KV	110KV DC Towers of M/s Kalpataru design (Conventional)	Lynx ACSR & 320M	110KV lines from 220KV AEQUS station	KPTCL-1D-AQS
	110KV DC Narrow base towers of KPTCL design	Lynx ACSR & 320M	KPTCL design	KPTCL-1D-NB
	110KV MC Towers of M/s CPRI design	Lynx ACSR & 320M		KPTCL-1M-CPRI
66KV	66KV DC Narrow base towers of KPTCL design	Coyote ACSR & 250M	KPTCL design	KPTCL-6D-NB
	66KV MC Towers of M/s CPRI design	Coyote ACSR & 275M		KPTCL-6M-CPRI
	66KV MC Narrow base towers of KIADB design	Drake ACSR & 200M	66KV MC line for KIADB Vemgal	KPTCL-6M-NB-VMGL
	66KV DC Towers of M/s KGN design (Conventioanl)	Coyote ACSR & 275M	66KV Lines from 220KV Nagamangala station	KPTCL-6D-NGML
	66KV DC Narrow base towers with single side cross arms of M/s L&T design	Coyote ACSR & 150M	66KV DC line in HSR layout	KPTCL-6D-NBS-HSR
	66KV DC Narrow base towers with single side cross arms of M/s Deepak cable design	Coyote ACSR & 200M	66KV Madikere-Kushalnagar line	KPTCL-6D-NBS-MDKR

  
SEE (TECH)

  
Executive Engineer (Tr-Lines)  
Technical Section  
O/o, CEE (P & C)  
KPTCL, Kaveri Bhavan, Bangalore-9.

  
Asst. Executive Engineer (Elec.)  
Technical Section  
O/o, CEE (P & C)  
KPTCL, Kaveri Bhavan, Bangalore-9.