



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Corporate Identity Number (CIN) : U40109KA1999SGC025521

Regd. Office of the Company : Corporate Office, Kaveri Bhavan, K.G. Road, Bengaluru-560 009

KPTCL/B9/85334/18-19

2 NOV 2020

CIRCULAR

Sub:- Surveying and Geo-technical investigation works for Transmission lines- action to be taken to speed up the process of surveying regarding.

Ref:- 1.KPTCL/B9/30791/12-13 dated 04/03/2014.
2.KPTCL/B9/30791/12-13 dated 24/06/2015.
3.KPTCL/B9/85334/18-19 dated 17/06/2019.

Preamble:

1. In the Corporate O.M. dated 04/03/2014 approval-has been accorded for adoption of Modern Survey Techniques for all transmission line surveys of all voltage class. In this regard, Standard Technical Specification and bill of quantities were appended to the said O.M for adoption.
2. In the Corporate O.M dated 24/06/2015, approval has been accorded for use of Google maps instead of NRSA imageries in respect of transmission lines of all voltage class, where the length of transmission line is less than equal to 5 Kms.
3. In the Corporate O.M. dated 17/06/2019, approval has been accorded for qualifying requirements to be stipulated in the tenders for surveying and geo-technical investigation works. In this regard, the Standard Tender Document, format for NIT were also appended to the said O.M for adoption.
4. In the said O.M dated 17/06/2019, directions were also issued for inviting tenders in one cover system with not less than 7 days' time for works costing upto Rs.5.00 lakhs and not less than 15 days' time in respect of works costing more than Rs.5.00 lakhs.
5. In spite of simplifying the procedure, there has been inordinate delay in finalizing the agency for surveying works and completion of the survey work, resulting in delay in preparation of DPR. This issue was discussed at length during the meeting held on 07/08/2020 and 21/10/2020 under the chairmanship of Director (Transmission).

Orders thereon:


In order to speed up the process of conducting survey for transmission lines, following circular instructions are issued for adoption with immediate effect.

EE(IT-1)
S.S. J.K.
02/11/2020

Recd
S.S. J.K.

SE (IT & MIS)

1. In many cases, the time limit for carrying out surveying works are not being fixed duly considering the parameters like length of the line to be surveyed, terrain of the land, time required for collection of data etc. Henceforth, the said parameters shall be considered and adequate / proper time be fixed in the tenders for carrying out surveying work.
2. Considering the time required for collection of NRSA imageries and its resolution, Google maps instead of NRSA imageries shall be used in respect of transmission lines of all voltage class, where the length of transmission lines is less than equal to 25 Kms to save time. However, in respect of transmission lines of length more than 25 Kms, NRSA imageries along with Google maps shall be used for route identification and to finalise the most feasible and economical alignment.
3. Providing marking stones at all anchor points are not required as GPS coordinates are being established for all anchor points. Henceforth, providing marking stones for anchor points shall be discontinued, as it will save cost.
4. The RTC and the Guidance value of the land along the finalized alignment of the line can be collected from GOK websites, as they are sufficient for preparation of surveying reports and DPR. However, certified copies of RTC and Guidance value may be obtained during construction stage while dispersing the compensation amount.
5. The Letters of Award for entrusting survey works to the agencies may be sent to their official mail along with sending hard copy through post, to avoid loss of time in communication.
6. The Standard Technical Specification issued for conducting transmission line surveying using Modern Survey Techniques shall be strictly followed and the field work carried out and the reports generated through software, shall be strictly in accordance with the approved specification. In this regard, the concerned SEE's of Transmission Circles shall be more vigilant to ensure that the agencies adhere to the specifications strictly.


2/11/2020
Deputy General Manager (Tech)
KPTCL, Bengaluru.

Copy to:

1. All Chief Engineers (Ele), KPTCL.
2. All Financial Advisers, KPTCL.
3. The Company Secretary, KPTCL, Kaveri Bhavan, Bengaluru.
4. All Superintending Engineers (Ele), KPTCL.
5. The Superintending Engineer (Civil), KPTCL, Kaveri Bhavan, Bengaluru.
6. The Superintending Engineer (Ele), (IT & MIS), KPTCL, Kaveri Bhavan, Bengaluru- for publishing in KPTCL web site.
7. All Executive Engineers (Ele)/ (Civil), KPTCL.
8. SPS to Managing Director / Director (F)/ Director (T)/ Director (A&HR), KPTCL, Kaveri Bhavan, Bengaluru.