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## Karnataka Power Transmission Corporation Ltd.,

Corporate Identity Number (CIN): U40109KA1999SGC025521

No: KPTCL/ B25/22093/2021-22

Corporate Office,  
Kaveri Bhavan,  
Bengaluru - 560 009.

Dated: 12.3 SEP 2021

### OFFICIAL MEMORANDUM

**Sub** : Constitution of a Committee to take up new and innovative Research & Development activities in KPTCL - Reg.

- Ref** : 1. Note no. SEE(R&D)/EEE/A6/21-22/889 dated 21.08.2021 of CEE (RT&R&D), KPTCL approved by the Managing Director, KPTCL on 27.07.2021.
2. Letter No. DPE 28 ARU 2021 dated 30.03.2021 of Additional Chief Secretary, Department of Public Enterprise.
3. Letter No. Energy 356 VSC 2021 dated 21.04.2021 of Additional Chief Secretary, Energy Department, Government of Karnataka.
4. T.O. Note approved by the Managing Director, KPTCL on 17.09.2021.

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The R&D Centre of KPTCL involves carrying out routine works such as testing of oil samples of various capacities of Power Transformers, conducting condition monitoring tests of Power Transformers, Design and monitoring of Earth Mat in Sub-stations spread across the State.

M/s KPMG conducted a workshop on 21.10.2016 with all the 60 Public Sector Entities (PSEs) to collect information from all the entities and prepared a draft Strategic Evaluation report. The same was discussed in the workshop held on 20.02.2017 to obtain views / opinion of all the PSEs wherein M/s KPMG finalized the Strategic Evaluation report which was shared with all the PSEs.

Further, ACS, Department of Public Enterprise vide letter dated 30.03.2021 have requested to furnish action taken report and the constraints to take up necessary action in this regard.

M/s KPMG vide their Action Plan for Strategic Evaluation of PSEs & Roadmap for the optimization of Operational Efficiency have stated that most of the State PSEs are performing w.r.t their finances and operations and are on the path to create differentiation. However, there are many PSEs which are still facing several challenges. Most of their concerns involve around resolving specific issues which they encounter on a daily basis. The study recommendations are focussed on tackling major roadblocks and aim to empower PSEs in certain categories of which one of them is lack of focussed R&D department in PSEs as follows:

R&D activities to be focussed upon driving innovation in:

- Improvisation of existing products.
- New product development planning.
- Market study to determine new technologies and trends.

In order to promote R&D activities in KPTCL, it is proposed to invite 'Expression of interest' from the in-service Officers of KPTCL/ESCOMs to take up Research and Development activities in Power sector on a 'term' basis with technical and financial support from the Corporation.

In view of the above, approval is hereby accorded to constitute a Committee to take up new and innovative Research & Development activities in KPTCL with the following Officers:

1	Director Transmission, KPTCL, Kaveri Bhavan	Chairman
2	Chief Engineer (Ele), RT & R&D, KPTCL, Kaveri Bhavan	Member
3	Chief Engineer (Ele), Planning and Co-ordination, KPTCL, Kaveri Bhavan	Member
4	General Manager, Technical, KPTCL, Kaveri Bhavan	Member
5	Superintending Engineer, Technical, KPTCL, Kaveri Bhavan	Member
7	Superintending Engineer (Ele), R&D, KPTCL, Kaveri Bhavan	Convener

The guidelines to be followed in taking up new and innovative Research & Development activities in KPTCL is annexed with this OM.

Further, the Committee after scrutiny of applications and short listing shall recommend such worthy proposals / candidates to the Management. In addition to this, the Committee shall monitor the progress of the project & recommend for release of budget to tie up with CPRI / IISC / Other institutions. The Committee shall also validate the project report submitted by the Officers and shall submit the report to the Management for consideration of the same for implementation in KPTCL.

*B-R HW 23/09/24*  
General Manager (Tech),  
KPTCL, Bengaluru

**Copy to:**

1. All members of the Committee.
2. SPS to the Managing Director / Director (Transmission) / Director (Finance), KPTCL, Kaveri Bhavan.
3. Superintending Engineer Ele., IT , KPTCL - for information & to upload the O.M in KPTCL website.

## Annexure - 1

### **Guidelines for taking up new and innovative Research & Development activities in KPTCL:**

1. Expression of interest from in-service Engineers of KPTCL to take up R&D projects shall be invited through a notification from HR section.
2. In-service Engineers interested in R&D activities have to apply giving their bio-data, brief description of research subject they wish to take up (useful for Transmission sector) with approximate cost to be incurred.
3. The Committee constituted shall study such proposal and recommend the eligible and worthy proposals to the Management.
4. Corporation shall provide financial support and other facilities required for conducting the R&D activity by one or more in-service Engineers selected by the Committee.
5. Provision shall be made for two Officers independent of posts held on additional cost basis to R&D for conducting research activity. The selected Engineers shall be posted to R&D center on additional cost duly reporting to SEE (R&D) till the completion of the project.
6. Time frame of maximum 2 years is fixed for completion of the project.
7. Tie up with IISC / CPRI for utilization of their guidance / lab facility shall be established. Guides (In-house or external Research institute or both as found necessary) shall be provided.
8. After completion of the project, the selected Officers shall submit the project report and make a presentation for validation by the Committee and further if necessary, before the Management.
9. The findings of the accepted R&D projects useful to the Transmission sector may be considered for implementation in KPTCL. KPTCL reserves the right to claim the patent in case of unique R&D findings.

10. The activities and the action to be taken are as below:

<b>Sl. No.</b>	<b>Activity</b>	<b>Action by</b>
1	Issue of Notification inviting application (through KPTCL website) from in-service Engineers of KPTCL/ESCOMs for taking up R&D projects once in two years or whenever notified by the Committee	O/o Director (Admin & HR)
2	Receiving applications & placing it before the Committee	CEE (RT & R&D)
3	Scrutinizing applications and short listing for selection	Committee
4	Selection of R&D Project	Management
5	Creation of separate a/c head & allocation of budget	FA (A&R)
6	Monitoring progress of the project & recommending release of budget to tie up with CPRI / IISC / Other institution	Committee
7	Approval to tie up with CPRI / IISC / other institution	Management