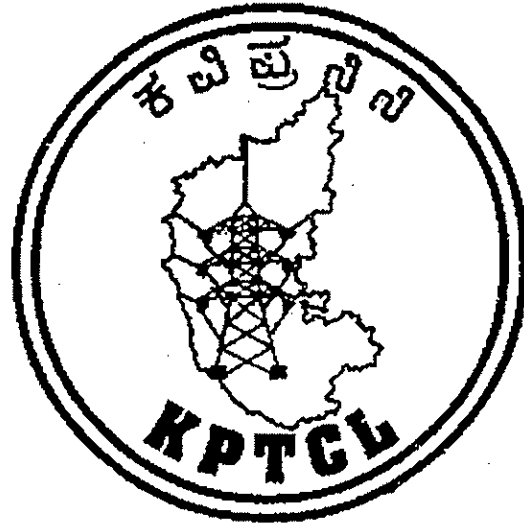


# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED



**ANNUAL PERFORMANCE REVIEW 2022-23**

**NOVEMBER-2023**

**BEFORE THE KARNATAKA ELECTRICITY REGULATORY COMMISSION  
At Bengaluru**

**IN THE MATTER OF:**

Application under Section 62 and 64 of Electricity Act 2003 read with relevant KERC (Tariff) Regulations-2000 and amendments, KERC (Terms and conditions for determination of transmission Tariff) Regulations-2006 and amendments, for the purpose of Annual Performance Review of Transmission Licensee-KPTCL, based on Audited Accounts of KPTCL for FY-23.

**AND**

**IN THE MATTER OF**

Karnataka Power Transmission Corporation Limited (KPTCL)  
Kaveri Bhavan,  
Bengaluru-560 009

.....Applicant

**AFFIDAVIT**

1. I, Sri Anil Kumar K, S/o Sri. Krishna Murthy Karpur, aged 59 years, working as Financial Advisor (Regulatory Affairs), KPTCL, Kaveri Bhavan, Bengaluru - 560009 do hereby solemnly affirm and state as follows:-
2. I am the Financial Advisor of Regulatory Affairs section, KPTCL, Corporate Office, Kaveri Bhavan, Bengaluru -560009 duly authorized to make this affidavit.
3. The Statement made in schedule " A" annexed to this affidavit which is the Annual Performance Review of KPTCL including Annexures for FY-23 having pages from 1- 74, is now shown to me and marked with letter "A" are true to my knowledge and the statements made in schedule "A" are based on information I believe to be true.
4. Solemnly affirm at Bengaluru on this 29<sup>th</sup> day of November 2023 that the contents of above affidavit are true to my knowledge. No part of it is false and no material is concealed therefrom.

Bengaluru - 560009

Dated: 29.11.2023.



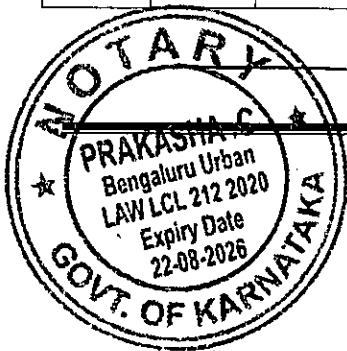
**ATTESTED BY ME**

*[Signature]*  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079

*[Signature]*  
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

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**FINANCIAL ADVISOR**

Karnataka Power Transmission Corporation Ltd. Affairs

KPTCL, Kaveri Bhavan  
Bengaluru - 560009

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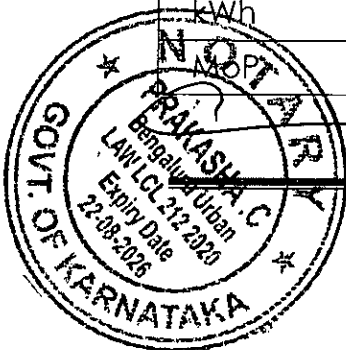


*A. A. R.*  
FINANCIAL ADVISOR

Karnataka Power Transmission Corporation Ltd. Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

## ABBREVIATIONS

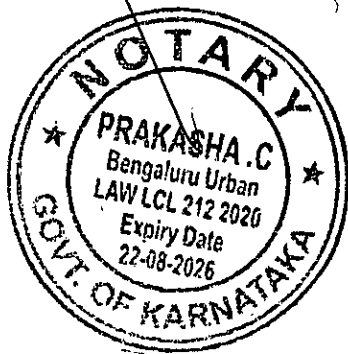
A&G	Administrative & General Expenses
ASCI	Administrative Staff College of India
C&AG	Comptroller & Auditor General
CEA	Central Electricity Authority
CEE	Chief Engineer Electricity
CERC	Central Electricity Regulatory Commission
CGS	Central Generating Station
Commission	Karnataka Electricity Regulatory Commission
CPP	Captive Power Plant
Cr	Crore
CT	Current Transformer
ERC	Expected Revenue from Charges
ESCOM	Electricity Supply Company
FY	Financial Year
GFA	Gross Fixed Assets
GoK	Government of Karnataka
Gol	Government of India
Hrs	Hours
HT	High Tension
HVDC	High Voltage Direct Current
IEGC	Indian Electricity Grid Code
IT	Income Tax
KERC	Karnataka Electricity Regulatory Commission
KPCL	Karnataka Power Corporation Limited
KPTCL	Karnataka Power Transmission Corporation Limited
kV	Kilo Volt
kVA	Kilo Volt Ampere
kW	Kilo Watt
kWh	Kilo watt Hour
	Ministry of Power



Karnataka Power Transmission Corporation Ltd. Affairs

**FINANCIAL ADVISOR:**  
KPTCL, Kaveri Bhavani  
Bengaluru - 560009

MU	Million Units
MUSS	Master Unit Sub Station
MW	Mega Watt
NFA	Net Fixed Assets
OCC	Operational Coordination Committee
O & M	Operation and Maintenance
PGCIL	Power Grid Corporation of India Limited
PF	Provident Fund
PFC	Power Finance Corporation
PPA	Power Purchase Agreement
PRDCL	Power Research & Development Corporation Limited
R&M	Repair & Maintenance
PT	Power Transformer
REC	Rural Electrification Corporation
RoE	Return on Equity
SLDC	State Load Dispatch Centre
SRPC	Southern Region Power Committee
TA & QC	Technical Audit and Quality Control
TCC	Technical Coordination Committee
T&D	Transmission & Distribution
TL & SS	Transmission lines and Sub Stations



"A"

**BEFORE THE HON'BLE KARNATAKA ELECTRICITY REGULATORY COMMISSION**  
**AT BENGALURU**

IN THE MATTER OF:

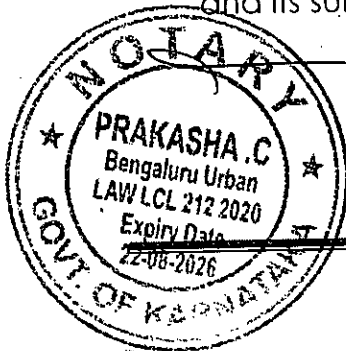
Application under Section 62 and 64 of the Electricity Act 2003 read with relevant KERC (Tariff) Regulations-2000 and amendments, KERC (Terms and conditions for determination of transmission Tariff) Regulations-2006 and amendments, for the purpose of Annual Performance Review of Transmission Licensee-KPTCL, based on Audited Annual Accounts of KPTCL for FY-23.

Karnataka Power Transmission Corporation Ltd. (KPTCL),  
Kaveri Bhavan,  
Bangalore - 560 009

..... Applicant

KPTCL most respectfully submits the Statement of Annual Revenue Requirement for FY 2022-23 based on the Audited Annual Accounts for the purpose of Annual Performance Review, under Multi Year Tariff (MYT) Regulations, for approval by the Hon'ble Commission:

1. KPTCL is a deemed Transmission Licensee under Section 14 of the Electricity Act 2003, carrying out the business of transmission of electrical energy in the State of Karnataka.
2. This is an application, under Section 62 and 64 of the Electricity Act 2003, read with KERC (Terms and conditions for determination of Transmission Tariff) Regulations-2006 and other relevant Regulations and its subsequent amendments.



ATTESTED BY ME

*[Signature]*  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
FWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveswara Nagar  
**BENGALURU - 560 079**

*[Signature]*  
**FINANCIAL ADVISOR**  
KPTCL, Kaveri Bhavan  
Bangalore - 560009

## CHAPTER 1

### 1.0. ANNUAL PERFORMANCE REVIEW (APR) FOR FY-23

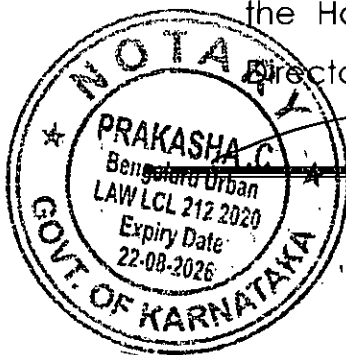
#### 1.1 APR FILING REQUIREMENT

In terms of Section 62 and 64 of the Electricity Act 2003 read with KERC (Terms and conditions for determination of transmission Tariff) Regulations 2006 and its subsequent amendments, the Annual Revenue Requirement for FY-23 is being submitted under Multi Year Tariff Principles for the purpose of Annual Performance Review (APR) by the Hon'ble Commission.

1.2 The formats prescribed in KERC (Tariff) Regulations-2000 (and its subsequent amendments) as applicable for Expected Revenue from Charges and Annual Revenue Requirement (ARR) filing are enclosed along with this application duly furnishing the details for the financial year 2022-23. Audited Annual Accounts of KPTCL for FY-23 was furnished to KERC vide letter No. KPTCL/B36/45574/2023-24/1018 dated 16.09.2023. The details of income from transmission charges and the expenditure as per the Audited Accounts of KPTCL for FY-23 are detailed in the following paragraphs.

1.3 The Licensee confirms that the Annual Revenue Requirement and the revenue gap are based on the Audited Accounts for FY-23.

1.4 The Financial Advisor, Regulatory Affairs, KPTCL is authorized to sign and file the petition for Annual Performance Review of FY-23 before the Hon'ble Commission on behalf of KPTCL by the Managing Director, KPTCL on 23.11.2023 vide File No. KPTCL/B36/45574/2023-24.



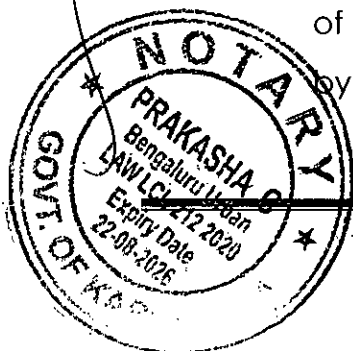
**FINANCIAL ADVISOR**  
Karnataka Power Transmission Corporation Ltd


KPTCL, Kaveri Bhavani  
Bengaluru - 560009



## 1.5 KPTCL Profile:

- i) Karnataka Power Transmission Corporation Limited is a Company registered under the Companies Act, 1956 and incorporated on 28<sup>th</sup> July 1999. KPTCL commenced its operations from 1<sup>st</sup> August 1999 by continuing the Transmission and Distribution functions of the erstwhile Karnataka Electricity Board. On unbundling, w.e.f 1<sup>st</sup> June 2002, KPTCL became a Transmission company but continued to be involved in Bulk Power Purchase Activity. After enactment of Electricity Act 2003 and w.e.f 10<sup>th</sup> June 2005, KPTCL is not involved in the bulk power purchase activity as the Act bars the transmission licensee from trading of electricity. Since then, KPTCL is only a transmission entity wholly owned by the Government of Karnataka, operating now with an authorized share capital of Rs. 3000 Crore having paid up capital of Rs. 2182.32 Cr.
- ii) Karnataka Power Transmission Corporation Limited is discharging its functions as envisaged in Section 39 and 40 of Electricity Act-2003 and also responsible for grid operation in the State of Karnataka.
- iii) KPTCL enables the ESCOMs to serve nearly 300.98 lakhs consumers of different categories spread all over the State covering an area of 1.92 lakh square kilometers. To transmit power in the State, KPTCL operates 1339 Sub-stations as at the end of 31<sup>st</sup> March 2023 with Transmission network of 41913 CKms with voltages of 66 kV and above. To enable easier operation of the system, KPTCL has six Transmission Zones; each headed by a Chief Engineer, sixteen Circles, each headed by a



  
FINANCIAL ADVISOR  
Karnataka Power Transmission Corporation Ltd  
KPTCL, Kaveri Bhavarti  
Bengaluru - 560009

Superintending Engineer, fifty Divisions, each headed by an Executive Engineer. Maintenance of lines, stations and construction of transmission system are being looked after by the above officers.

- iv) There are 35 Transmission line and Sub-Station maintenance Divisions (TL&SS) in KPTCL which are involved in the operation and maintenance of the transmission system in Karnataka. Besides, there are 14 Major Works Division which takes care of construction activities related to intra-state Transmission system across the State of Karnataka.
- v) The Relay Testing, Research & Development activities are headed by Chief Engineer Electy., with two wings such as Relay Testing and Research & Development across State's Transmission system and monitors protection issues and condition monitoring of Transmission system elements. There are 16 Relay Testing (RT) Divisions in KPTCL which works under 6 Relay testing Circles. Each Division is responsible for maintenance of protective relays, meters and addressing critical troubleshooting issues in all sub-stations of KPTCL. Also pre-commissioning tests of all new sub-stations are performed by the RT Divisions besides calibrating all KPTCL interface meters on periodical basis.
- vi) The Technical Audit & Quality Control (TA&QC) wing is headed by the Chief Engineer Electy., TA&QC, Bengaluru. The main functions of the TA&QC wing is Inspection of materials in on-going Total Turnkey / Partial Turnkey Sub-Station works, line



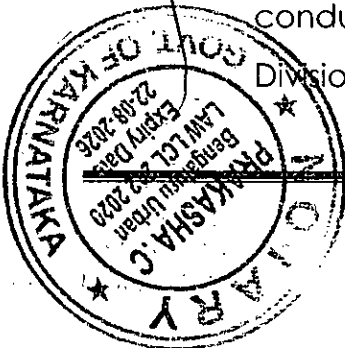
Karnataka Power Transmission Corporation Ltd

FINANCIAL ADVISOR

KPTCL, Kaveri Bhavani  
Bengaluru - 560009

works, augmentation works, IPP works, Self execution works and Line shifting works etc. Also periodical inspections of stations, lines, MW/TL&SS stores are performed by TA&QC wing. They also perform materials inspections at Factory and sites, auditing of completed works, inspection of factory premises for vendor analysis and miscellaneous works, investigation of Petitions/Complaints and inspection of civil works pertaining to sub-stations/Lines.

- vii) Separate Hotline wing headed by the Chief Engineer Electy., is established. Separate Hotline Circle is established with 2 Hotline Divisions and 6 Sub-divisions to facilitate live line work ( without taking LC) using hot stick method and also bare hand technique using insulated elevated platform for replacing punctured/ broken insulator / deteriorated jumps and establish connectivity of receiving station / sub-station .
- viii) KPTCL's Finance and Accounts are managed by the Accounts and Resources wing headed by Financial Advisor (Accounts & Resources). There are 82 Accounting units. The Finance wing organizes in-time funding for various projects of KPTCL, responsible for accounting of all transactions and timely preparation of Annual Accounts of the KPTCL.
- ix) Financial transactions in the zones are monitored by the Controllers of Accounts in the respective zones.
- x) All activities are audited by Internal Audit staff headed by Financial Advisor (Internal Audit). The Internal Audit Wing conducts pre-audit, post-audit and concurrent activities at Division level, Circle level, Zonal level and at Corporate Office.



- xii) All activities pertaining to Regulations issued by KERC and all correspondence with KERC are dealt by the Financial Advisor (Regulatory Affairs). Regulatory legal matters before KERC/CERC/APTEL/HC/SC are also handled by this wing. Periodical Regulatory Awareness programs for Officers of KPTCL are also being conducted by Officers of Regulatory Affairs wing.
- xii) The Grid Operation Activity is carried by the State Load Dispatch Center (SLDC) which is headed by the Chief Engineer Electy., and currently functioning under KPTCL. Along with Grid operations, SLDC also takes care of SCADA activities, Renewable Energy Management Center and Transmission Billing Center. The commercial and accounting aspects of SLDC are looked after by Financial Advisor (SLDC).
- xiii) The main source of revenue of KPTCL is transmission charge. The annual income of the company was Rs. 5173.83 Crore during 2022-23 as per Audited Annual Accounts.
- xiv) The total installed sub-station capacity of the State as on 31.03.2023 was 82333 MVA (3143 Transformers). The peak load met was 15828 MW on 29.03.2023 during the year 2022-23.



  
FINANCIAL ADVISOR

Karnataka Power Transmission Corporation Ltd

KPTCL, Kaveri Bhavan  
Bengaluru - 560009

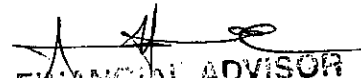
## MISSION STATEMENT

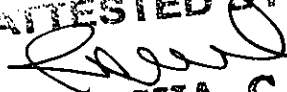
The mission of Karnataka Power Transmission Corporation Limited (KPTCL) is to ensure reliable quality power to its customers at competitive prices. The KPTCL is committed to achieve this mission through:

- Encouraging Best practices in transmission.
- Ensuring high order maintenance of all its technical facilities.
- Emphasizing the best standards in customer service.

To be the best Transmission Utility in the Country, the KPTCL pledges to optimize its human and technical resources for the benefit of all of its customers.



  
FINANCIAL ADVISOR  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

ATTESTED BY ME  
  
PRAKASHA. C, BA., LL.B.,  
ADVOCATE & NOTARY  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079

## CHAPTER – 2

### 2.0. COMMISSION'S DIRECTIVES:

KPTCL has been making sincere efforts to comply with the Directives issued by the Commission. There has been substantial improvement in processes like Grid Operations, Capital works and Financial Management. KPTCL submits the compliance of the Directives duly explaining the latest progress in the implementation of the same in the following paragraphs.

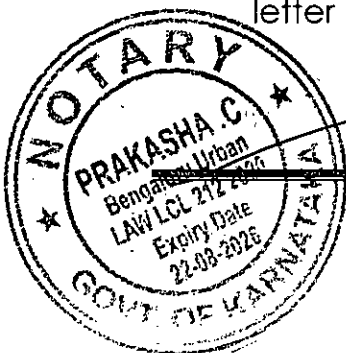
The Commission, in the Tariff Order dated 12<sup>th</sup> May 2023 issued the following directives for compliance by KPTCL:

#### 2.1 Issue of Evacuation Clearance by KPTCL:

The Commission agreed to a timeline of 70 days for providing evacuation approvals and directed KPTCL to furnish the details of applications received and cleared within the time line and cleared after the timeline, duly giving reasons for the delay on quarterly basis.

#### Compliance:

Details of evacuation clearance issued by KPTCL for the first quarter of FY24 i.e. from 1st April 2023 to 30th June 2023 was submitted to KERC vide Letter No.: KPTCL/ B36 / 45573 / 2023-23 / 954 Dated: 04.09.2023. The details of second quarter i.e. for the period from 01.07.2023 to 30.09.2023 was submitted to KERC vide letter No: KPTCL/ B36 / 45573 / 2023-24 / 2245 Dated:24.11.2023.



FINANCIAL ADVISOR  
Regulatory Affairs  
KPTCL, Karnataka  
Bengaluru - 560009

Karnataka Power Transmission Corporation Ltd.

## 2.2 Issue of No Objection Certificates (NOC) for Wheeling and Banking facility to Open Access Consumers/ Captive Generators.

The Commission directed KPTCL to furnish the details of applications received, NOC issued within the prescribed time frame and details of NOCs issued after the timeline, duly giving reasons for the delay on a monthly basis.

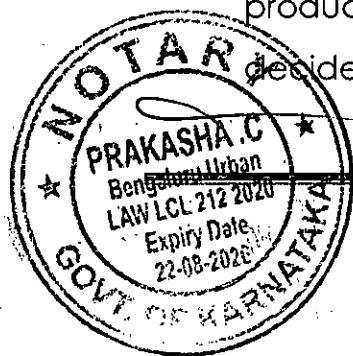
### Compliance:

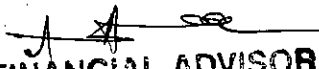
The details of applications received, NOC issued within the prescribed time frame and details of NOCs issued after the timeline, duly giving reasons for the delay for the month of July 2023 was submitted to KERC vide Letter No.: KPTCL/ B36 / 45573 / 2023-23/954 Dated: 04.09.2023. Similarly the details for the months of August 2023 and September 2023 have been forwarded to KERC vide Letter No.: KPTCL/ B36 / 45573 / 2023-23 / 2245 Dated: 24.11.2023.

## 2.3 Manpower Studies Conducted:

The Commission directed KPTCL shall ensure proper implementation of the Man Power planning strategy.

Further, Commission stated that, since the matter pertains to Personnel Management in KPTCL, the Commission expects that KPTCL would take speedy action to streamline the staff requirement and its deployment in order to achieve better productivity and reduction of costs .Hence, the Commission has decided to drop this Directive.



  
FINANCIAL ADVISOR  
Regulatory Affairs  
Karnataka Power Transmission Corporation Ltd  
Bengaluru - 560009

**Compliance:**

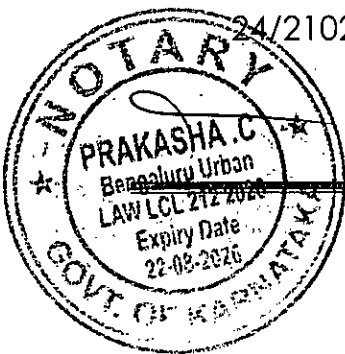
KPTCL has initiated action for implementation of Man Power Study by awarding the contract to M/s. Center for Organisation Development, Hyderabad vide DWA No.: CEE/T&P/SEE-1/EE(P)/AEEP4/ 2023-24/6267-75 Dated: 20.10.2023. The firm is required to complete the work of Manpower Study in KPTCL and submit a report as per the scope of tender within Six (06) months from the date of issue of LOI i.e., 08.09.2023. The firm has commenced the work from October 2023 and the study is in progress.

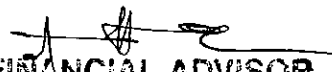
**2.4 Prevention of electrical accidents:**

The Commission has directed the KPTCL to speed up the work of identification and rectification of hazardous locations and also to submit a stringent strategic action plan along with the details of number of locations identified, rectified and balance number of such locations to prevent electrical accidents in transmission lines and sub-stations quarterly, to the Commission.

**Compliance:**

The Chief Engineers of the transmission zones are regularly carrying out / monitoring works related to rectification of hazardous locations. The zone-wise status of accidents occurred in KPTCL along with details of hazardous locations for second quarter i.e., from 01.07.2023 to 30.09.2023 was furnished to the Hon'ble Commission vide letter No. KPTCL/B36/34009/2023-24/2102 Dated: 21.11.2023.



  
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavan

Karnataka Power Transmission Corporation Ltd



## 2.5 Reactive Power Compensation and restoration of failed Capacitors:

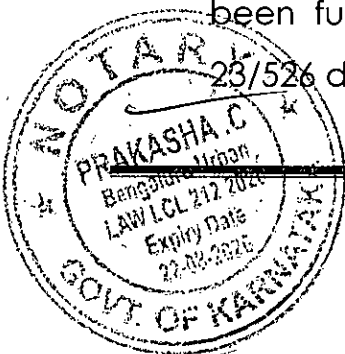
The Commission directed KPTCL to restore the failed capacitors timely and submit the status report of capacitor banks to the Commission, regularly and also furnish details of Reactive Energy Charges paid to CTU. Further, the Commission has directed KPTCL to maintain minimum 5% of spare capacitor for replacement of failed capacitors.


### Compliance:

The monthly status report of capacitor banks are being periodically submitted to KERC. The Chief Engineers of the transmission zones are taking timely action to restore the failed capacitors as and when they are failed. Further, the corporate office has directed zonal Chief Engineers to maintain sufficient spares of capacitor banks to reduce the outage period, so as to improve the percentage working of capacitor banks both in respect of numbers and capacity. An average of 1% to 3% of spare Capacitor Cells of particular dimension/rating is being maintained in all transmission zones.

The Status of Capacitor Banks as on August 2023 along with the details reactive energy charges received from CTU upto the month of August 2023 was submitted to KERC vide letter No. KPTCL/B36/4556/2022-23/2044 dated: 12.10.2023.

Further, the details of Reactive Energy Charges for the FY-23 have been furnished to KERC vide letter No. KPTCL/B36/34005/2022-23/526 dated 21.06.2023.



  
**FINANCIAL ADVISOR**  
Regulatory Affairs  
Karnataka Power Transmission Corporation Ltd  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

## 2.6 Implementation of Intra State ABT:

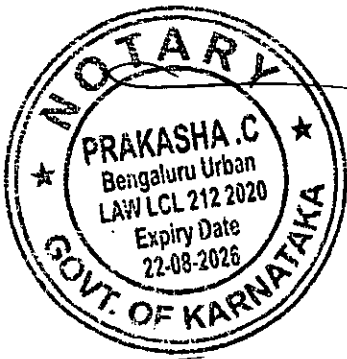
The Commission directed KPCL to complete the ABT metering by 30.06.2023 in order to implement intra-state ABT. KPTCL, SLDC and ESCOMs are directed to conduct a meeting under the chairmanship of Managing Director, KPTCL to try and sort out the issues and implement billing under Intra-State ABT, once KPCL completes installation of ABT meters of its hydel by June, 2023.

### **Compliance:**

ABT compliant meter replacement by KPCL is pending at Shiva Generating Station. and AMR integration is in process at Linganamakki Power House (LPH).

KPTCL has addressed a letter to KPCL on 31.07.2023 with a request to furnish the present status on installation of Intra - State ABT meters at their Generating Stations so as to enable the Managing Director, KPTCL to hold a meeting to sort out issues and implement billing under Intra - State ABT Mechanism.

At present, KPTCL has integrated Generators IF point DLMS energy meters to SLDC MDAS system except Linganamakki Power House (LPH) and Shiva Generating Station.



ATTESTED BY ME  
*[Signature]*  
PRAKASHA. C, BA., LL.B.,  
ADVOCATE & NOTARY  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079

*[Signature]*  
FINANCIAL ADVISOR  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

## CHAPTER – 3

### 3.0 Energy Transmission and Losses in FY-23:

Total Energy input to KPTCL's transmission system during FY-23 was 80512.168 MU and the energy transmitted at IF points with ESCOM's was 78115.485 MU resulting in transmission loss of 2.977% Actual Transmission losses are noted below:

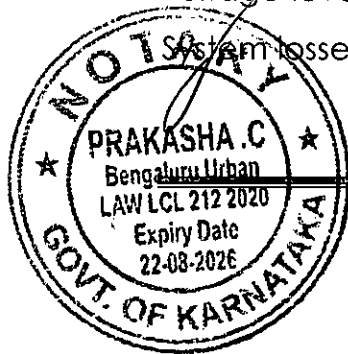
**Table- 1**  
**Trajectory of Transmission Losses (%) for FY-23**

	Approved in T.O 04.04.2022	As per Actuals
Upper Limit	2.914	2.977
Average	2.864	
Lower limit	2.814	

The details of Transmission losses for FY-23 has been furnished to KERC vide letter KPTCL/B36/34000/2022-23/2249 dated 27.11.2023.

Further, KERC had taken note of the reply to preliminary observation on reasons of increase in transmission losses under 220KV voltage level and directed KPTCL in its Tariff Order 2023 to initiate a detailed study in the matter of higher transmission loss at 220kV voltage level and submit a report to the Commission.

M/s. Power Research & Development Consultants Private Limited (PRDCL) was entrusted to study the reasons for higher transmission loss at 220KV voltage level and submitted a Study Report on "Voltage-wise Transmission System losses pertaining to the State for Karnataka for FY 2021-22".



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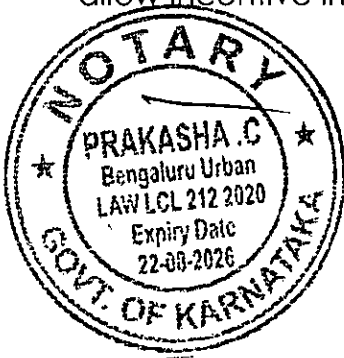
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Accordingly, KPTCL submitted the report of M/s. PRDCL vide letter No.: KPTCL/B36/45562/2023-24/1071 Dated: 27.09.2023, wherein it was concluded that most of the import generation from Central Generating Stations is at 400 KV voltage level and are stepped down to 220 KV voltage level, and most of the State owned generators are loaded at 220 KV level. Transmission losses at 220 KV voltage level are high due to the fact that 220 KV network (lines and transformers) handles the maximum load in the State grid.

**Table- 2**  
**System Availability for FY-23**

<b>System Availability</b>	<b>Target Availability as per KERC MYT Regulations</b>	<b>Actual</b>
<b>Percentage</b>	<b>98%</b>	<b>98.687%</b>

The details of Transmission system availability for FY-23 has been furnished to KERC vide letter KPTCL/B36/45559/2023-24/2208 dated 23.11.2023. The system availability achieved for the year is better than the target specified in the KERC MYT Regulations. KPTCL requests the Hon'ble Commission to allow incentive in terms of MYT Regulations.



  
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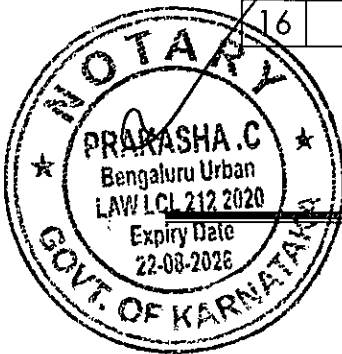
## CHAPTER – 4


### 4.0 PERFORMANCE OF KPTCL FOR 2022-23

#### 4.1 Financial Performance of KPTCL for FY-23

Table- 3

(Amount in Rs. Crore)		
Sl No	Particulars	Actual as per Audited Accounts for FY-23
1	<b>Operation and Maintenance Cost:</b>	
a)	Employee costs	1631.73
b)	Repairs and Maintenance costs	445.66
c)	Administration and General expenses	197.49
	<b>Total O &amp; M Expenses</b>	<b>2274.88</b>
2	Depreciation	1364.50
3	Finance costs	680.35
4	Interest on working capital	61.50
5	Return on equity	975.86
6	Other debits , if any	49.23
7	Tax expense	191.12
	<b>TOTAL Expenditure</b>	<b>5597.44</b>
	<b>Less</b>	
8	Interest and finance charges capitalized	98.81
9	Other expenses capitalized	72.36
10	Other Income	242.47
11	Income from Non ISTS Lines for FY 18, FY 19 & FY 20	37.62
12	<b>Net ARR</b>	<b>5146.18</b>
13	<b>Revenue from Transmission Charges</b>	<b>4931.36</b>
14	<b>Revenue Gap</b>	<b>214.82</b>
15	<b>Add:</b> Govt. Portion of contribution towards P&G Trust for FY-23 proposed for claiming through tariff as per G.O. dated 15.11.2022 and Corrigendum dated 24.11.2022.	<b>1486.23</b>
16	<b>Total Revenue Gap</b>	<b>1701.05</b>



  
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**Table- 4**  
**Total Revenue for FY-23**

(Amount in Rs. Crore)

Particulars	2022-23
Revenue from Transmission Operation	4931.36
Other Income	242.47
<b>Total Income</b>	<b>5173.83</b>

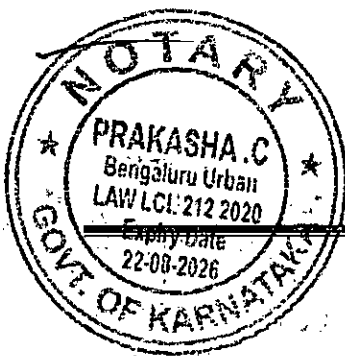
#### 4.2 CAPITAL WORKS – ACHIEVEMENTS for FY-23

During the year 2022-23 the following works were completed.

**Table- 5**  
**Capital Works – FY-23**

Particulars	2022-23	
	Target	Achievement
Stations (Nos)	40	40
Lines (Ckms)	1022.753	1608.851
Augmentation(Nos)	100	197

Capital Expenditure	2022-23
As per Audited Accounts (Rs. in Crore)	<b>3624.08</b>



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Table- 6

## Station Works Completed During FY-23

Particulars	Achievement ( No's)	MVA Added
400 kV	1	500
220 kV	7	1400
110 kV	20	290
66 kV	12	209.50
<b>Total</b>	<b>40</b>	<b>2399.50</b>

Table- 7

## Length of Line constructed during FY-23 (in Ckt. Kms)

Particulars	Achievement Ckt.Kms
400 kV	234.11
220 kV	375.017
110 kV	503.89
66 kV	495.834
<b>Total</b>	<b>1608.851</b>



Table-8

## Augmentation works – FY-23

Particulars	Achievement (Nos)
400 KV	1
220 kV	12
110 kV	78
66 kV	106
<b>Total</b>	<b>197</b>

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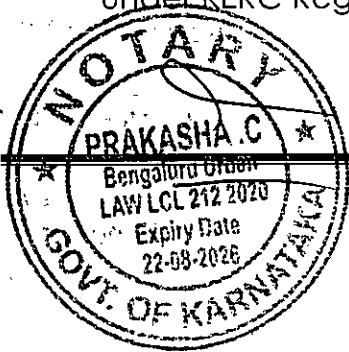
## CHAPTER – 5


### 5.0 RATIONALE FOR TRANSMISSION CHARGES:

The aim of KPTCL is to provide efficient transmission network in the State which is stable, robust and capable of transmitting power in a most reliable and cost-effective manner. KPTCL intends to become Number One Transmission Utility in the Country.

Creation of Transmission infrastructure is the core activity of KPTCL and Capital works program plays a vital role in achieving vision and mission of KPTCL. To achieve its mission, KPTCL has to make huge capital investment, towards Augmentation /Erection of Transmission infrastructure. To meet the capital investment, KPTCL has to depend largely on borrowings from funding agencies. For this purpose, KPTCL follows an aggressive borrowing programme aimed at minimizing interest rates and obtains loans at best possible interest rates from funding agencies, mainly from Commercial Banks. KPTCL also requests for equity infusions from GoK from time to time.

In the above back ground, based on the MYT regulations notified by KERC, KPTCL is filing its Annual Performance Review for FY-23 in order to recover the revenue gap between Actual Transmission Revenue earned from approved Transmission Charges and Actual Transmission expenditure incurred. Adequate Revenue Stream ensures adequate investments in the sector. Therefore KPTCL needs to cover its costs in full along with a Return on Equity as allowed under KERC Regulations.



  
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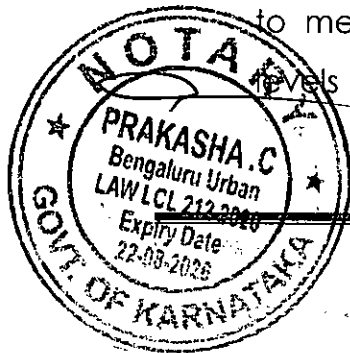
## 5.1 Rationale for Capital investment Programme

The National Electricity Policy and the National Electricity Plan emphasizes on creation of transmission infrastructure to realize the MoP vision of providing power for all. Further due to upsurge in Renewable Energy Generation in the State, necessary evacuation infrastructure needs to be created by KPTCL. Hence Green Energy Corridors are being developed by KPTCL. In line with these activities, KPTCL has envisaged adequate capex programme in the recent past and in the current year as well. This will definitely help in keeping required growth rate of all sectors in the State and ensures efficient transmission of power for equitable supply of electricity penetrating the rural areas of the State.

5.2 Karnataka is India's eighth largest State in terms of geographical size (1,91,791 square km). In order to meet the growing power demand in rural and urban areas, KPTCL, during FY 2022-23 has constructed sub-stations at voltage levels of 400, 220, 110 and 66 kV to meet the additional loads and to improve the voltage conditions. In addition to this, as many as 197 augmentation works were completed to strengthen the existing system.

## 5.3 Need to Ensure Assured Revenue Stream

KPTCL manages critical function of putting up intra-state transmission system facilities to provide evacuation for Generators, to meet additional loads and ensure appropriate voltage at all levels of transmission. To ensure smooth transmission, it carries out



  
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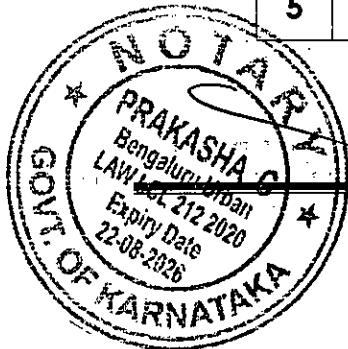
periodical maintenance of the system also. Its efforts are mainly focused on improving transmission system availability and system reliability. These roles involve costs that are fixed in nature and have to be met by a steady stream of revenue. For this purpose, the actual costs incurred for transmission operation need to be allowed for recovery from its consumers i.e. mainly the five ESCOMs of the State. It is also necessary that these ESCOMs pay full transmission charges regularly as per the tariff orders passed by the Hon'ble Commission and in accordance with the Power Transmission Agreement. Of late ESCOMs are not paying transmission charges on priority. Transmission charges of Rs. 2,689.38 Crore are due from ESCOMs as on 31.10.2023. The Hon'ble Commission may kindly direct the ESCOMs to adhere to monthly payment of full Transmission charges in terms of the Tariff Order issued by this Hon'ble Commission.

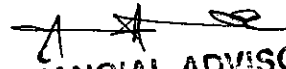
Table - 9

## Summary of KPTCL's Financial Performance for FY-23

(Amount in Rs. Crore)

Sl No	Particulars	Amount Rs. in Crore
1	Revenue Earned from transmission operation	4931.36
2	Annual Revenue Requirement	5146.18
<b>3</b>	<b>Revenue Deficit (2-1)</b>	<b>214.82</b>
4	<b>Add:</b> Govt. Portion of contribution towards P&G Trust for FY-23 proposed for claiming through tariff as per G.O. dated 15.11.2022 and Corrigendum dated 24.11.2022.	1486.23
<b>5</b>	<b>Total Revenue Gap</b>	<b>1701.05</b>

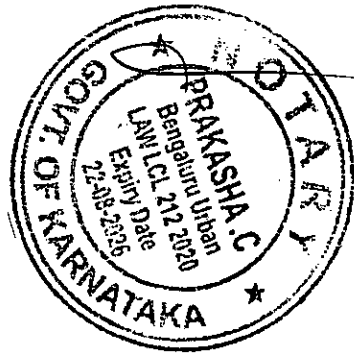



  
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It may be seen that, the revenue earned from existing transmission tariff was not sufficient to cover the costs to an extent of **Rs. 214.82 Cr.** for FY23. Along with this, the Additional Employee cost to an extent of **Rs. 1486.23** has been included towards Govt. Portion of contribution towards P&G Trust for FY-23 proposed for claiming through tariff as per G.O. dated 15.11.2022 and Corrigendum dated 24.11.2022.

After inclusion of the above costs, total revenue gap works out to Rs. 1701.05 Cr. Hence, the Commission may kindly allow this Total Revenue Gap to be recovered from ESCOMs in FY 2024-25.



  
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## CHAPTER-6

### 6.0 BREAK UP OF TRANSMISSION EXPENSES FOR FY-23

#### 6.1 Repairs and Maintenance Expenses:

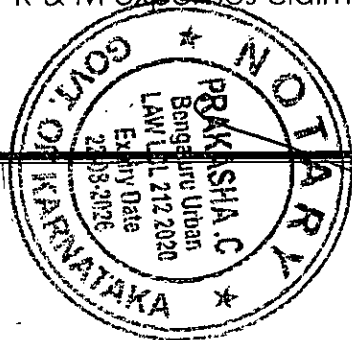
The R & M expenses incurred for the year is Rs. 445.66 Crore. R&M Expenses for FY-22 was Rs. 334.22 Crore(as per published audited accounts of FY-22) which shows an increase of Rs. 111.44 Cr over previous year because of increase in Plant and Machinery Repair cost, Lines and Cable Network Repair cost, maintenance of buildings and other Civil works cost.

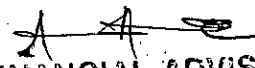
The cost incurred for various items of R & M expenses are tabulated below.

**Table- 10**  
**Repairs and Maintenance Expenses for FY-23**  
(Amount in Rs. Crore)

Sl. No.	Particulars	2022-23
1	Plant and Machinery Transformers	349.05
2	Lines, Cable Network, etc.	71.69
3	Buildings	26.82
4	Civil works	8.20
5	Vehicles	0.69
6	Furniture & Fixtures	0.01
7	Office Equipment	0.60
	<b>TOTAL</b>	<b>457.06</b>
	Less: Expenses shared by ESCOMs	<b>11.40</b>
	Less: R&M Expenses Capitalized	<b>0.66</b>
	<b>TOTAL</b>	<b>445.00</b>

R & M expenses claimed in ARR is Rs. 445.00 Crore.



  
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## 6.2 Employee Costs:

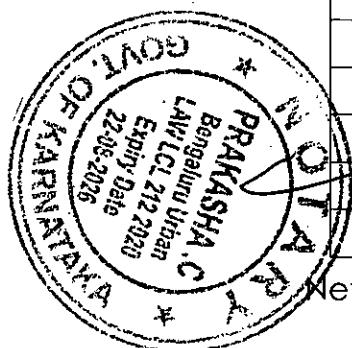
Employee costs incurred for FY-23 as per Audited Annual Accounts is Rs. 1574.18 Crore. For FY-22, it was Rs. 1252.82 Crore as per audited accounts of FY-22. There is an increase of Rs. 321.36 Crore over previous year. This increase is mainly due to increase in salaries and Earned leave encashment.

The details of the Employee Costs are shown below:

**Table- 11**  
**Employee Costs details – FY-23**

Sl No	Particulars	2022-23
		Amount in Rs. Crore.
1	Salaries ( Basic Pay)	1112.88
2	Bonus and Exgratia	6.92
3	Earned Leave Encashment	201.35
4	Medical expenses reimbursement	6.85
5	Payment to Helpers ( Monsoon gang)	0.04
6	Terminal Benefits	0.58
7	Terminal Benefits-NDCPS Employee	117.84
8	KPTCL contribution to P & G Trust	208.45
9	EPF contribution in respect of Contract employee	0.38
10	Pension and Leave Contribution made in respect of employee of other department	0.12
11	Other Allowances	2.62
12	Staff Welfare Expenses	0.03
13	Payment under Workmen Compensation Act	0.07
	<b>Total</b>	<b>1658.13</b>
	<b>Less :</b>	
14	Expenses shared by ESCOMs	26.06
15	Employee cost Capitalized	57.55
16.	KPTCL Portion of P & G Trust's	0.34
	<b>Net Amount</b>	<b>1574.18</b>

Net Employee cost claimed in ARR is **Rs. 1574.18 Crore.**



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### 6.3 Administration and General Expenses

The A & G expenses incurred for the year is Rs. 197.49 Crore as per Audited Annual Accounts for FY-23. Details of A&G Expenses are provided in form T-7 of the filing. Net Administration and General Expenses included in ARR is Rs. 183.35 Crore. (Rs. 197.49 Cr. – Rs. 14.14 Cr) where Rs. 14.14 Cr. is capitalised expenses.

### 6.4 Operation and Maintenance Expenses under MYT Regulations

- a) The Operation and Maintenance Expenses which include R&M costs, Employee Costs and A&G expenses are to be calculated as per the norms prescribed by KERC in its order dated 04.04.2022.

**Table- 12**

**O&M Expenses as per Norms for FY-23 as Per KERC Order dated 04.04.2022**

Particulars	2022-23
O & M Expenses for lines (in Rs. Thousand/km)	148.45
O & M Expenses for bay (in Rs. Thousand/ bay)	538.30

- b) The details of circuit kilometers of transmission lines and bay details as on 31.03.2023 are given below.



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Table-13

## Voltage class wise Transmission Lines as on 31.03.2023

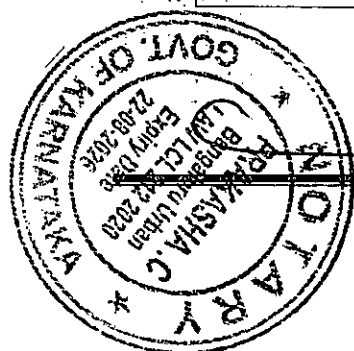
Voltage Class	Transmission lines (in Ckms)
400 kV	3935.110
220 kV	12998.017
110 kV	12333.890
66 kV	12645.834
<b>Total</b>	<b>41912.851</b>

**Note:** The Transmission Lines shown in Table 13 does not include dedicated lines constructed by IPPs.

Table-14

## Transmission Capacity among ESCOMs as on 31.03.2023

Company	2021-22	2022-23	
	Transmission Capacity in MW Existing	Transmission Capacity in MW	
		Added	Total
BESCOM	13043.50	637.50	13681.00
MESCOM	1870.00	255.00	2125.00
CESC	2847.00	255.00	3102.00
HESCOM	4850.00	726.75	5576.75
GESCOM	2890.00	255.00	3145.00
<b>TOTAL</b>	<b>25500.50</b>	<b>2129.25</b>	<b>27629.75</b>



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**Table- 15**  
**Number of Bays as on 31.03.2023**

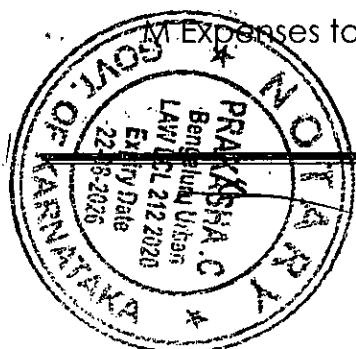
Type	No.
Line Bay	6201
Transformer bay	3052
PT Bay	1902
Capacitor Bank Bay	1358
11 kV Bay	14696
<b>Total</b>	<b>27209</b>

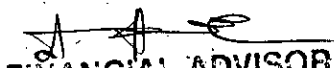
**Note:** The Number of bays shown in Table 15 does not include 654 Nos of Bays constructed by IPPs. These bays are maintained by KPTCL and O & M charges are collected separately at the rates approved by KERC from time to time.

**Table- 16**  
**O&M Expenses calculated as per KERC Norms for FY-23**

Particulars	Rate	Qty	O&M Costs (Rs. in Crore)
O&M Expenses for lines (in Rs. Lakhs/km)	1.48	41912.851	620.31
O&M Expenses for bays (in Rs. Lakhs/ bay)	5.38	27209	1463.84
<b>Total</b>			<b>2084.15</b>

But the Actual O & M Expenses as per Audited Accounts works out to Rs. 2202.53 Cr. (1574.18+445.00+183.35). As per KERC (Terms and conditions of tariff) (Second amendment) Regulations, 2015 the O & M Expenses to be worked out as under:



  
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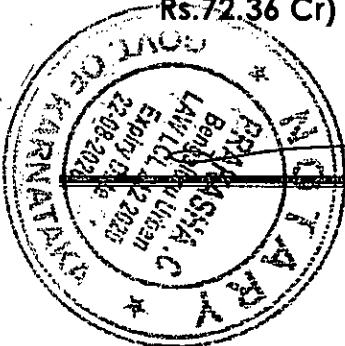
**Table- 17**  
**Uncontrollable O & M costs**

SL No.	Particulars	Amt in Rs. Cr
1.	Earned leave encashment	201.35
2.	Additional O & M Expenses on account of Terminal Benefits to NDCPS Employees	117.84
3	Additional O & M Expenses on account of P & G contribution	208.45
	<b>TOTAL</b>	<b>527.64</b>

**Table- 18**  
**Allowable O & M Expenses for FY-23 as per norms**

SL No.	Particulars	Amt in Rs. Cr
1.	O & M Costs as per Norms	2084.15
2.	Un controllable O & M Costs	527.64
	<b>TOTAL</b>	<b>2611.79</b>

Allowable O & M Expenses as per norms is Rs. 2611.79 Cr. However KPTCL requests the Hon'ble Commission to allow O & M expenses of Rs. 2202.53 Cr. (excluding expenses capitalised of Rs.72.36 Cr) as per Actual.



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## 6.5 Depreciation

The Depreciation as per the Audited Accounts for FY-23 is Rs. 1364.50 Crore. Rs. 1364.50 Cr includes an amount of Rs. 145.77 Cr being depreciation on assets created out of consumer contribution. As Rs. 145.77 Cr is included in Other Income and the Other Income is reduced in ARR, the net effect would result in reducing the depreciation to Rs.1218.73 Cr. The details of depreciation are indicated in form T-8.

**The Hon'ble Commission is requested to consider the actual amount of depreciation of Rs. 1364.50 Cr and allow the same.**

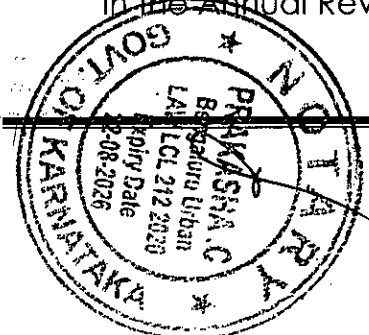
## 6.6 Interest and Finance Charges

The Actual amount incurred towards interest and finance charges as per Audited Accounts for FY-23 is Rs. 741.85 Crore. The details of loan availed and interest costs are shown in prescribed form T-9. After considering interest capitalization amount of Rs. 98.81, the interest charges included in ARR is Rs. 643.04 Crore.

**As this interest expenditure is incurred as per actual interest on loans availed by KPTCL, the Hon'ble Commission is requested to consider and approve an amount of Rs. 643.04 Cr in ARR.**

## 6.7 Return On Equity:

The Hon'ble Commission in its Order dated 04.04.2022, has worked out Return on Equity @ 15.5% on the Equity and Reserves & Surplus. On the same lines, RoE has been worked out for FY-23 and included in the Annual Revenue Requirement for FY-23 as under.



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**Table- 19**  
**RoE Calculations for FY-23**

(Amount Rs. in Crore)

Particulars	Approved	Actual
Paid up share capital	2182.32	2182.32
Share Deposit	0.00	0.00
Reserves & Surplus	3289.48	4113.52
<b>Total Equity</b>	<b>5471.80</b>	<b>6295.84</b>
<b>Approved RoE</b>	<b>1027.69</b> <b>(RoE @ 18.7815%</b> <b>with MAT)</b>	<b>975.86</b> <b>(RoE @ 15.50%)</b>


### 6.8 Tax Expenses

The Hon'ble Commission vide Order dated 04.04.2022 had approved RoE @ 18.7815% with MAT, KPTCL's actual tax expenses for FY-23 is Rs.191.12 Crore as per Audited Accounts. The same is claimed in APR for FY-23.

### 6.9 Other Debits

An amount of Rs.49.23 Crore is claimed in APR as other expenses the details of which re provided in Format T-11.



  
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## 6.10 SLDC Charges

The Hon'ble Commission vide Order dated 04.04.2022, approved SLDC charges of Rs. 32.98 Crore for FY 23 including the gap in SLDC charges of Rs. 2.71 Crore for FY 21 and concluded that the entire SLDC charges to be recovered by KPTCL from ESCOMs and other long term transmission network users in proportion to the transmission capacity. For FY-23, the actual SLDC charges amounts to Rs. 37.96 Crore, the details of which are provided below.

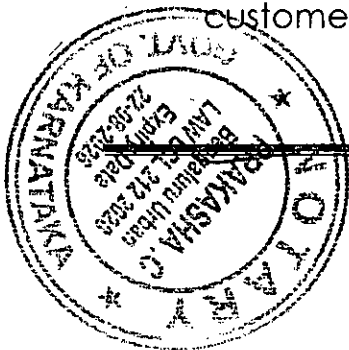
**Table- 20**  
**SLDC Charges**

(Amount in Rs. Crore)

Particulars	As Per Audited Accounts 2022-23
Repair & Maintenance	4.99
Employee Cost	24.40
A & G Expenses	8.35
Depreciation	0.22
<b>Total</b>	<b>37.96</b>

KPTCL requests the Hon'ble Commission to allow the actual SLDC expenditure of Rs. 37.96 Crore for FY-23 for recovery from ESCOMs.

KPTCL also requests the Hon'ble commission to revise SLDC charges to be recovered from short term open access customers as under;



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**Table- 21**  
**Transmission Charges payable by**  
**STOA Customers in Rs./MWh**

Net ARR as per Audited Accounts of FY23 ( Rs. In Crores)	Energy Transmitted by Transmission Licensee (in MU)	Transmission Charges in Rs./MWh
5146.18	80512.168	639

**Note:** Transmission charges for STOA customers is calculated as per clause 40.2 of the draft KERC (Multi Year Transmission, Distribution and Retail Supply Tariff) Regulations, 2023.



  
**FINANCIAL ADVISOR**  
 Regulatory Affairs  
 KPTCL, Kaveri Bhavari  
 Bengaluru - 560009

**ATTESTED BY ME**  
  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
 EWS # 16/2, 1st Cross, 2nd Main,  
 KHB, Basaveshwara Nagar  
 BENGALURU - 560 079

## CHAPTER – 7

## 7.0 Annual Revenue Requirement of KPTCL

## 7.1 Annual Revenue Requirement of KPTCL for FY-23 (as per Actuals):

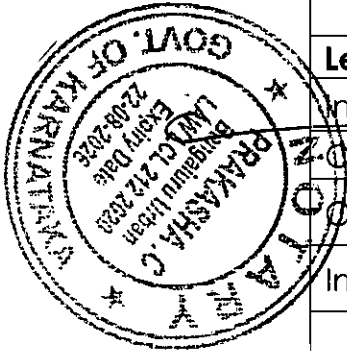
The revised annual revenue requirement of KPTCL for FY-23 based on Audited Accounts for FY-23 are furnished in the following tables:

Table- 22

## Annual Revenue Requirement of KPTCL for FY-23

(Amount in Rs. Crore)

Particulars	2022-23
Revenue from Transmission of Power	4931.36
Other income	242.47
<b>Total Revenue</b>	<b>5173.83</b>
<b>Expenditure</b>	
Repairs and Maintenance	445.66
Employee Costs	1631.73
A & G Expenses	197.49
Depreciation	1364.50
Finance costs	680.35
Interest on Working Capital	61.50
RoE @ 15.5%	975.86
Income tax	191.12
Other debits	49.23
<b>Total Expenditure</b>	<b>5597.44</b>
<b>Less</b>	
Interest and finance charges capitalized	98.81
Other expenses capitalized	72.36
Other income	242.47
Income from Non ISTS Lines FY 18, FY 19 & FY 20	37.62
<b>Net ARR</b>	<b>5146.18</b>
<b>Revenue Gap (5146.18-4931.36)</b>	<b>214.82</b>



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Regulatory Affairs

Karnataka Power Transmission Corporation Ltd  
Bengaluru - 560009

**7.2 Over all Gap for inclusion in Tariff for FY-23****(Amount in Rs. Crore)**

Revenue Gap as per APR FY-23.	214.82
<b>Add:</b> Govt. Portion of contribution towards P&G Trust for FY-23 proposed for claiming through tariff as per G.O. dated 15.11.2022 and Corrigendum dated 24.11.2022.	1486.23
<b>Overall Amount Claimed</b>	<b>1701.05</b>

**Note:** The Amount Rs.1486.23 Cr is claimed as per G.O. dated 15.11.2022 in order to pass on the said amount in the tariff for recovery from ESCOMs. The said amount is reflected in the accounts of KPTCL and ESCOM and P&G Trust. Once it is allowed in the tariff it gets reflected in KPTCL's Books of Accounts.

**7.3 Recovery of Transmission Charges:**

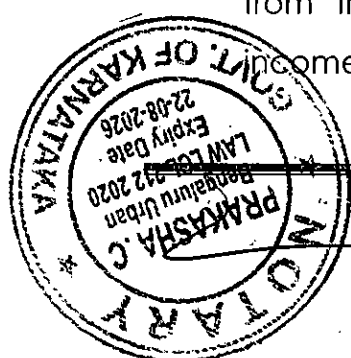
KPTCL is placing its actual transmission costs with a request to approve the same in the foregoing paragraphs. KPTCL has furnished details of various costs. KPTCL respectfully submits before this Hon'ble Commission to consider the revenue requirement which is based on the Audited Annual Accounts for FY-23.

**7.4 Recovery of Short Term Open Access Charges:**

Hon'ble Commission is requested to revise the Short Term Open Access Charges for FY-23, considering the revenue gap of FY-23 and indicate the same in MWh basis for recovery from STOA Customers.

**7.5 Revenue from Transmission Charges:**

As KPTCL is involved only in Transmission Activity with effect from 10<sup>th</sup> June 2005, its revenues are mainly from transmission charges and Open access charges. Total Revenue indicated includes revenue from transmission charges, open access charges and non-tariff income.



**FINANCIAL ADVISOR**  
Regulatory Affairs  
Karnataka Power Transmission Corporation Limited  
Bengaluru - 560009

## 7.6 Revenue Account:

The income from Transmission charges of KPTCL was not enough to cover its costs to an extent of Rs.214.82 Cr. KPTCL requests the Hon'ble Commission to consider the ARR, as per Audited Accounts and allow KPTCL to recover the actual ARR and Additional Employee cost towards Pension and Gratuity Contribution of

**Rs. 1486.23 Cr** as per the direction by Government of Karnataka vide its Order dated 15.11.2022 and corrigendum dated 24.11.2022.

The following table provides the details of Revenue Account for FY 23.


**Table-23**  
**REVENUE ACCOUNT**

(Amount in Rs. Crore)

1. Revenue from Transmission of power	4931.36
2. Net ARR as per Audited Accounts	5146.18
<b>Revenue deficit for FY-23 (2-1)</b>	<b>214.82</b>
<b>Add:</b> Govt. Portion of contribution towards P&G Trust for FY-23 proposed for claiming through tariff as per G.O. dated 15.11.2022 and Corrigendum dated 24.11.2022.	1486.23
<b>Overall Amount Claimed</b>	<b>1701.05</b>

KPTCL requests the Hon'ble Commission to approve the overall amount of **Rs. 1701.05 Cr.** to be recovered from ESCOMs along with the already approved ARR for FY-24.



  
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

Karnataka Power Transmission Corporation Ltd




## 7.7 Revised Annual Revenue Requirement for FY25:

KERC in its Tariff Order 2022 of KPTCL 04.04.2022 approved Annual Revenue Requirement of **Rs.5803.79 Crores** for FY25 . Now, KPTCL has arrived the Overall Gap for FY23 of **Rs. 1701.05 Crores**. Hence, KPTCL requests the Hon'ble Commission to allow the revised ARR for FY 25 of **Rs. 7504.84 Crores** (Rs.5803.79 Crs+ Rs.1701.05 Crs.)


## 7.8 Sharing Efficiency gains and losses:

KPTCL requests the Hon'ble Commission to provide incentive for achieving system availability better than the targeted availability. Sharing of gains may be allowed in accordance with MYT Regulation 2.7.6 and as per the Tariff Orders issued by the Commission from time to time.



  
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavart  
Bengaluru - 560009

**ATTESTED BY ME**

  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079

## 8.0 PRAYER

KPTCL respectfully prays the Hon'ble Commission to consider and approve the following:-

- a) The Actual ARR of KPTCL for FY-23 based on the Audited Annual Accounts and to allow efficiency gains.
- b) To allow recovery of overall amount of **Rs. 1701.05 Cr.** claimed (Rs. 214.82 Cr.+Rs.1486.23 Cr.) from ESCOMs w.e.f 01.04.2024, along with approved transmission charges.
- c) To modify the short term open access charges to be recovered from 01.04.2024, duly considering the revenue gap of FY23 and indicate the rates on MWh basis.
- d) To allow recovery of actual SLDC charges of **Rs. 37.96 Cr.** and to revise the SLDC charges to be recovered from STOA customers.



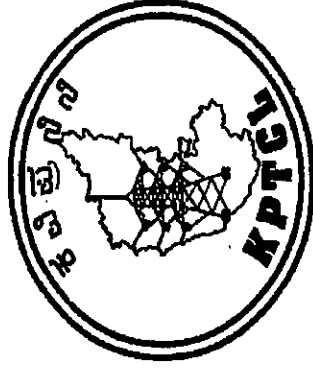
ATTESTED BY ME

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For KPTCL,

  
**Financial Advisor,**  
**(Regulatory Affairs)**  
Kaveri Bhavan,  
Bangalore.

**Karnataka Power Transmission Corporation Limited**



**Annual Performance Review - 2022-23**

**FORMS A1 to A5 and T1 to T23**

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

**Form A1**

**PROFIT & LOSS ACCOUNT**

Rs. in Cr.

Ref Form- No	PARTICULARS	2020-21 (Actuals)	2021-22 (Actuals) (Restated)	2022-23 (Actuals)
T1/D1	ENERGY AVAILABLE FOR TRANSMISSION (MU)	71271.69	75671.01	80646.00
T2/D2	ENERGY SOLD AT INTERFACE POINT (MU)	69105.43	73418.33	78242.00
	Transmission Loss in MUs	2166	2253	2404
	Transmission Loss in %	3.04	2.98	2.98
	Installed Capacity in MW	23063	25486	25053
	<b>INCOME</b>			
T2/D2	REVENUE FROM SALE OF POWER - Transmission Charges	3900.13	4108.66	4931.36
T3/D3	REV SUBSIDIES & GRANTS *			
T4/D4	OTHER INCOME	169.28	272.59	242.47
	<b>TOTAL</b>	<b>4069.41</b>	<b>4381.25</b>	<b>5173.84</b>
	<b>EXPENDITURE</b>			
T1/D1	POWER PURCHASE			
T5/D5	REPAIRS & MAINTENANCE	327.86	334.25	445.66
T6/D6	EMPLOYEES COSTS	1218.39	1309.99	1631.74
T7/D7	ADM & GENERAL EXPENSES	133.72	147.18	197.49
T8/D8	DEPRECIATION AND RELATED DTS	1080.88	1174.99	1365.20
T9/D9	INTEREST & FINANCE CHARGES	595.72	626.44	741.83
	<b>SUB-TOTAL</b>	<b>3356.57</b>	<b>3592.84</b>	<b>4381.92</b>
T10/D10	LESS: EXPENSES CAPITALISED:			
	-INTEREST & FINANCE CHARGES CAPITALISED	97.25	111.34	98.81
	-OTHER EXPENSES CAPITALISED	64.28	69.09	73.06
	<b>SUB-TOTAL</b>	<b>161.53</b>	<b>180.43</b>	<b>171.87</b>
T11/D11	OTHER DEBITS (incl. Bad debts)	34.73	34.76	49.23
T12/D12	EXTRAORDINARY ITEMS / EXCEPTIONAL ITEMS	-527.79	-178.31	0.00
	<b>TOTAL EXPENDITURE</b>	<b>2701.98</b>	<b>3268.86</b>	<b>4259.28</b>
	ROE			
	PROFIT (LOSS) BEFORE TAX	1367.43	1112.39	914.56
	PROVISION FOR TAXATION	407.98	447.61	191.12
	PROFIT (LOSS) AFTER TAX	<b>959.45</b>	<b>664.78</b>	<b>723.44</b>
T13/D13	NET PRIOR PERIOD CREDITS /(Charges)			
	Net Movement in Regulatory Deferral Balances			
	<b>SURPLUS/DEFICIT(-)</b>	<b>959.45</b>	<b>664.78</b>	<b>723.44</b>



ATTESTED BY ME

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**ADVOCATE & NOTARY**  
 EWS # 16/2, 1st Cross, 2nd Main,  
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 BENGALURU - 560 079


**FINANCIAL ADVISOR**  
 Regulatory Affairs  
 KPTCL, Kaveri Bhavari  
 Bengaluru - 560009

## KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

## BALANCE SHEET AS AT THE END OF THE YEAR

Ref Form- No	PARTICULARS	Rs. in Cr.			Rs. in Cr.	
		2016-17 (Actual)	2017-18 (Actual)	2020-21 (Actuals) (Restated)	2021-22 (Actuals) (Restated)	2022-23 (Actuals)
	<b>A. Equity and Liability:</b>					
	Shareholders Funds	2075.32	2182.32	2182.32	2182.32	2242.67
	Reserves & Surplus	1881.56	2072.19	3412.38	4113.52	4800.60
	Equity Infusion (Shares pending allotment)	107.00	0.00			
T14/D14	Contributions, Grants & Subsidies towards Cost of Capital Assets	408.45	639.12	1334.40	1552.68	1681.16
	<b>Total A</b>	<b>4472.33</b>	<b>4893.63</b>	<b>6929.10</b>	<b>7848.52</b>	<b>8724.42</b>
	<b>B. Non-Current Liabilities</b>					
T9/D9	Long Term Borrowings	4968.20	5206.93	6862.76	7631.72	9229.84
	Deffered Tax Liability	483.73	898.23	1169.12	1418.00	1444.70
	Other non Current Liabilities	1278.72	1587.87	1958.17	1990.71	1755.42
	Long Term Provisions	200.77	173.15	321.41	330.08	409.58
	<b>Total Non-Current Liabilities B</b>	<b>6931.41</b>	<b>7866.18</b>	<b>10311.46</b>	<b>11370.51</b>	<b>12839.55</b>
	<b>C. Current Liabilities</b>					
T9/D9	Short term Borrowings	0.00	158.33	1405.00	1950.74	1910.54
	Trade Paybles	710.78	710.61	102.25	9.97	9.97
	Other Current Liabilities	1450.50	1097.33	2395.12	2716.21	3526.79
	Short Term Provisions	712.27	920.47	563.74	599.71	581.11
	<b>Total Current Liabilities C</b>	<b>2873.56</b>	<b>2886.73</b>	<b>4466.12</b>	<b>5276.63</b>	<b>6028.42</b>
	<b>GRAND TOTAL ( A+B+C+D)</b>	<b>14277.30</b>	<b>15646.54</b>	<b>21706.68</b>	<b>24495.66</b>	<b>27592.39</b>
	<b>APPLICATION OF FUNDS:</b>					
	<b>ASSETS</b>					
	<b>A. FIXED ASSETS:</b>					
T15/D15	a) Tangible assets - Gross Block	15049.60	17337.48	24743.09	28268.75	30897.98
T8/D8	b) LESS:Accumulated Depreciation	6010.90	6713.00	9535.98	10633.30	11885.74
T16/D16	c) Tangible Assets - Net Fixed Assets	<b>9038.70</b>	<b>10624.48</b>	<b>15207.11</b>	<b>17635.45</b>	<b>19012.25</b>
	Intangible Assets			4.29	3.41	4.25
T17/D17	d) Capital Work-in-Progress	3162.16	3032.92	3356.76	3156.05	4803.42
	e) Long Term Loans & Advances					
	f) Other Non-Current Assets	798.48	744.76	1316.35	990.68	660.23
	<b>TOTAL A (a to i)</b>	<b>12999.34</b>	<b>14402.16</b>	<b>19884.52</b>	<b>21785.59</b>	<b>24480.14</b>
	<b>B. CURRENT ASSETS</b>					
	a) Inventories	61.70	60.81	84.88	73.50	109.29
	b) Trade Receivables	730.86	661.95	698.27	1495.12	1917.06
	c) Cash & Cash Equivalents	276.41	220.62	262.10	335.33	240.90
	d) Short Term Loans & Advances	3.38	0.89	24.91	5.60	8.65
	e) Other Current Assets	205.60	240.39	752.01	800.52	836.35
	<b>TOTAL OF B</b>	<b>1277.95</b>	<b>1184.67</b>	<b>1822.17</b>	<b>2710.07</b>	<b>3112.25</b>
	<b>GRAND TOTAL (A+B+C)</b>	<b>14277.30</b>	<b>15586.83</b>	<b>21706.69</b>	<b>24495.66</b>	<b>27592.39</b>



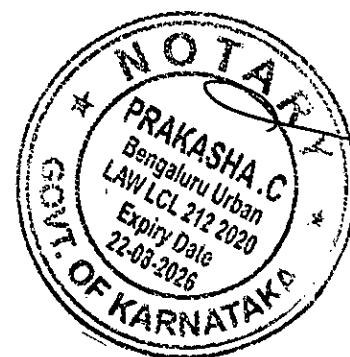
  
**FINANCIAL ADVISOR**  
 Regulatory Affairs  
 KPTCL, Kaveri Bhavari  
 Bengaluru - 560009

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
CASH FLOW STATEMENT FOR THE YEAR

Form A3

Rs. in Cr.

	Particulars	For the year ended 31st March, 2023	For the year ended 31st March, 2022	
I	<b>CASH FLOW FROM OPERATING ACTIVITIES</b>			
	Profit/(Loss) before Tax	914.55	1,112.40	
	Adjustment for Deferral Regulatory Income	0.00	0.00	
		0.00	0.00	
	<b>Adjustments for:</b>	0.00	0.00	
	i Depreciation and Amortization Expenses	1,364.50	1,174.50	
	ii Withdrawal of Excess provision made during Previous years	-8.76	-5.22	
	iii iv	-145.77	-137.00	
	iv Provision for Stock shortage	0.35	0.09	
	v Profit on sale of stores	-1.25	-1.58	
	vi Sale of scrap	0.00	0.00	
	vii Profit on sale of released Assets	-14.66	-25.46	
	viii Sundry receivables write off & other write off & exceptional items	3.65	-174.87	
	ix Interest income	-12.18	-9.31	
	x Prior Period Adjustment	0.00	0.00	
	x Finance Costs	643.03	515.11	
		<b>Operating Profit/(Loss) before working capital changes</b>	<b>2,743.45</b>	<b>2,448.65</b>
		<b>Change in Operating Assets and Liabilities</b>		
	i	(Increase)/Decrease in trade receivables	-421.94	-796.85
	ii	(Increase)/Decrease in inventories	-36.13	11.29
iii	(Increase)/Decrease in current assets	-23.57	153.41	
iv	(Increase)/Decrease in current liabilities & provisions	789.96	196.62	
v	(Increase)/Decrease in Non-current assets	330.45	325.67	
vi	Increase/(Decrease) in Non-current liabilities	198.95	204.64	
vii	Increase/(Decrease) in Non-current Financial liabilities	-230.37	41.14	
viii	(Increase)/ Decrease in Loans	-3.05	19.30	
	<b>Cash Generated from Operations</b>	<b>3,347.76</b>	<b>2,603.88</b>	
	Add/(Less): Income Tax Paid (Net of Refund)	-153.06	-125.36	
	<b>Net Cash Inflow From Operating Activities (A)</b>	<b>3,194.70</b>	<b>2,478.53</b>	
II	<b>CASH FLOW FROM INVESTING ACTIVITIES</b>			
	i Changes in PPE & Capital Work in Progress	-4,290.70	-3,289.92	
	ii Net increase/decrease in Bank Deposit with maturities exceeding 3 months	-8.50	-17.42	
	iii Interest Income	12.18	9.31	
		0.00	0.00	
	<b>Net Cash Inflow From Investing Activities (B)</b>	<b>-4,287.02</b>	<b>-3,298.02</b>	
III	<b>CASH FLOW FROM FINANCING ACTIVITIES</b>			
	i Contribution & Grants towards cost of capital assets	173.88	187.05	
	ii Changes in Secured Loans	1,598.13	769.56	
	iii Changes in Unsecured Loans	-40.20	545.14	
	iv Finance and other Charges	-742.42	-626.44	
		0.00	0.00	
	<b>Net Cash Inflow From Financing Activities (C)</b>	<b>989.39</b>	<b>875.33</b>	
	<b>Net Change in Cash and Cash equivalents (A+B+C)</b>	<b>-102.92</b>	<b>55.84</b>	
	Add: Opening Cash and Cash Equivalents	131.13	75.31	
	<b>Closing Cash and Cash Equivalents</b>	<b>28.21</b>	<b>131.15</b>	



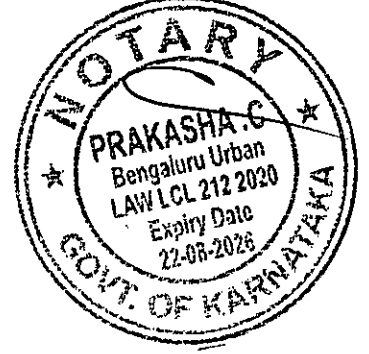
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

## Aggregate Revenue Requirement

Form A4

Sl. No.	Item	Ref Form No	2020-21 (Actuals)	2021-22 (Actuals)	2022-23 (Actuals)
1.	Capital Base/Net Fixed Assets at the beginning year less Consumer's contribution	A-1			
2	Revenue return at .....3.....%.	A-1			
3.	Revenue Requirement- Expenditure (Net after capitalisation of expenses) excluding prior period and extra ordinary items	A-1	3,597.53	3,894.78	4,419.37
4.	Other Income	A-1	169.28	272.59	242.47
5.	Aggregate Revenue (2+3-4)		<b>3,428.25</b>	<b>3,622.19</b>	<b>4,176.90</b>
6	Net Prior Period Credits		-	-	-
7	<b>Annual Revenue Requirement (5)-(6)</b>		<b>3,428.25</b>	<b>3,622.19</b>	<b>4,176.90</b>



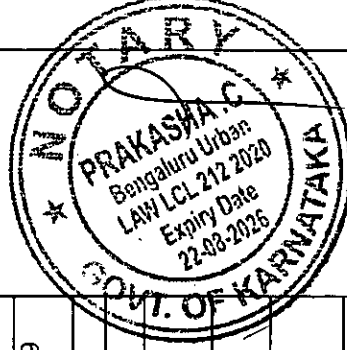
**FINANCIAL ADVISOR**  
Regulatory Affairs  
KPTCL, Kaveri Bhavan  
Bengaluru - 560009

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
Revenue Requirement - Capital Base

Form A5

Rs. in Cr.

SI No	Data Required	Ref Form No.	2020-21 (Actuals)	2021-22 (Actuals)	2022-23 (Actuals)
1	(a) Original cost of fixed assets ( at the beginning of the year)	D15			
	(b) Cost of intangible assets				
	(c) The original cost of work in progress	D17			
	(d) The amount of investment compulsorily made under para-IV of the Sixth Schedule				
	(e) An amount on account of working capital equal to the sum of :				
(e) i.	Average cost of stores (1/12th of the sum of the stores materials and supplies including fuel in hand at the end of each month of the year)				
(e) ii	Average cash and bank balance (1/12th of the sum of cash and bank balance whether credit or debit and call and short term deposits at the end of each month of the year)				
	<b>Sum of above</b>				
	<b>Less</b>				
2	i) The amounts written off or set aside on account of depreciation of fixed assets.	D8	N/A	N/A	N/A
	ii) The amount of any loan or subvention from the State Government	D9			
	ii.a) The amount of any loans borrowed from organisations or institutions approved by the State Government.	D9			
	ii-b) The amount of any debenture issued by the licensee.				
	iii) The amounts deposited in cash with the licensee by consumers, by way of security.				
	iv) The amount standing to the credit of Tariff and Dividends Control Reserve at the beginning of the year of account.				
	v) The amount standing to the credit of the Development Reserve at the close of the year.				
	vi) The amount carried forward (at the beginning of the year of account) in the accounts of the Licensee for distribution to the consumers.				
	<b>Sum of above</b>				



**Note : The format is not applicable to KPTCL / BESCOM / HESCOM / MESCOM / GESCOM and other successor entities of KEB**

**FINANCIAL ADVISOR**  
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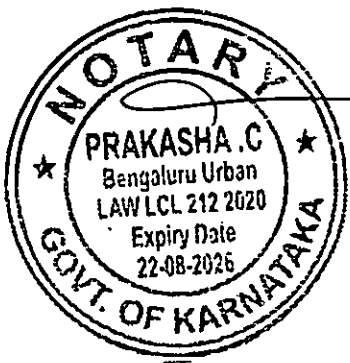
**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

**FORM - T1**  
(Rs. In Crore)

**Purchased Power-Current Year -FY2022-23 (Provisional)**

SI No	Source	Units purchased (M.U.)	Fixed Charges per annum * (Rs in Crs)	Variable charge (Paise/kwh)							Total Cost of Power at each interface point. (Rs in Crs)			Average rate (Paise/kwh)				
				Variable charge	Fuel escalation charge	Incentive payment	Wheeling charge	Electricity Duty	Air & Water Consent Fee	Other Charges	Total variable charge	Fixed charges	Variable charges		Total			
	<b>TOTAL</b>																	

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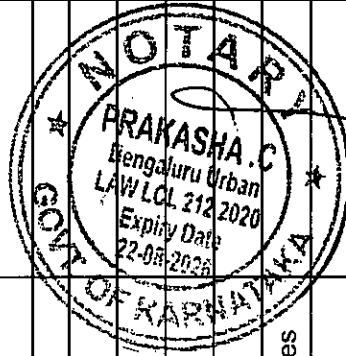


# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Revenue - Transmission Charges

Form T2

Category	Consumer Category Particulars	2022-23 (Actuals)		
		Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Realn. (Rs. / MW/ Month)
1	2	1	1	1
	Revenue from sale of power to ESCOMs			
	BESCOM	12673	2,424.00	159394
	MESCOM	1885	354.86	156879
	CEC	2750	527.81	159943
	HESCOM	4725	893.10	157514
	GESCOM	3020	562.58	155237
	Hukkeri Co-Op Society			
	<b>Sub-Total</b>	<b>25053</b>	<b>4762.35</b>	<b>158,409</b>
	Inter State Sale of Power			
	MTOA			
	ISTS Charges		0.85	
	Other Income		137.13	
	<b>Total Interstate Sale of Power</b>		<b>137.98</b>	
	Wheeling Charges & open access charges		31.03	
	Misc.			
	Withdrawal of Revenue Demand			
	<b>Sub-Total - Misc. Rev</b>		<b>31.03</b>	
	<b>Grand Total</b>	<b>25053</b>	<b>4931.36</b>	



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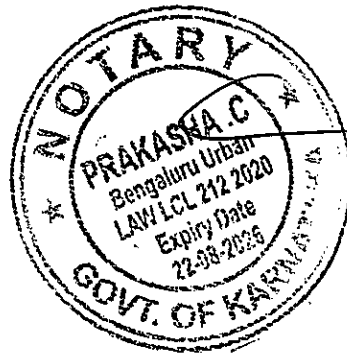
# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED


## Revenue Subsidies and Grants

### Form T3

Rs. In Crore

SI No	Particulars	2020-21 (Projection)	2021-22 (Projection)	2022-23 (Actuals)
1	RE Subsidies			
2	Grants for Research and Development Expenses			
3	Grant for Survey and Investigation	NIL	NIL	NIL
4	Others Subsidy Hukkeri Society			
	<b>Grand Total</b>			



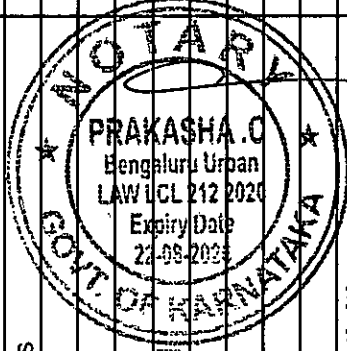
  
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**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

**Form T4**

**Non-Tariff Income (Other Income)**

Sl No	Particulars	2020-21	2021-22	2022-23 (Actuals)
1	Interest on staff loans and advances			0.02
2	Income from Investments:	18.25	9.52	18.75
a	Interest on securities			
b	Interest on Bank fixed deposits	12.00	9.31	12.18
c	Income on other investments			
d	Interest on loans/advances to suppliers/ Contractors	0.02	0.00	0.00
e	Interest from Banks			
f	Interest on loans to Societies/BDA	6.23	0.21	6.58
3	Income from Trading:	6.71	27.51	15.91
a	Profit on sale, hire etc of apparatus	6.68	25.93	14.66
b	Hire charges from Contractotrs			
c	Profit on sale of stores	0.03	1.58	1.25
d	Sale of Scrap			
e	Other Misc Receipts from trading			
4	Income/Fees collections against staff welfare activities:			
a	Recoveries for transport facilities			
5	Miscellaneous Receipts:	144.32	235.56	207.79
a	Rental from Staff Quarters	9.52	8.67	8.09
b	Rental from others	15.22	15.40	14.49
c	Leave contribution			
d	Excess found on physical verification of cash			
e	Excess found on physical verification of stock			
f	Excess found on physical verification of Assets			
g	Recovery from transport & vehicle expenses			
h	Depreciation withdrawn on Assets created out of Consumer contribution	92.41	137.00	145.77
i	Misc. recoveries	23.83	69.27	30.68
j	Excess provision in earlier years no longer required	3.34	5.22	8.76
	<b>Grand Total</b>	<b>169.28</b>	<b>272.59</b>	<b>242.47</b>



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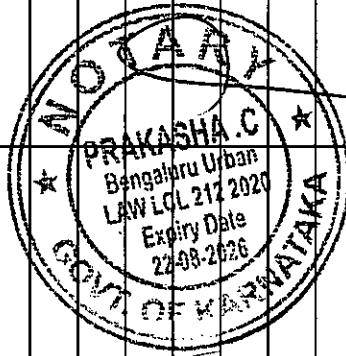
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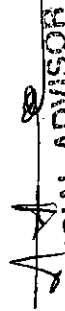
**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
Repairs and Maintenance Costs

**Form T5**

Rs. In Crore

Sl No	Particulars	2020-21			2021-22			2022-23 (Actuals)		
		Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total
	<b>Repairs and Maintenance to:</b>									
1	Plant and Machinery		260.29	260.29		269.36	269.36		326.28	326.28
	<b>Transformers:</b>									
2	(a) repairs and maintenance made departmentally		13.00	13.00		13.95	13.95		22.77	22.77
	(b) repairs and maintenance by private agencies									
3	Buildings		12.51	12.51		15.32	15.32		26.82	26.82
4	Other civil works		6.34	6.34		6.21	6.21		8.21	8.21
5	Hydraulic works			-			-			-
6	Lines, Cable Network, etc		38.39	38.39		31.41	31.41		71.69	71.69
7	Vehicles		0.46	0.46		0.48	0.48		0.69	0.69
8	Furniture & Fixtures		0.01	0.01		0.00	0.00		0.01	0.01
9	Office Equipments		0.47	0.47		0.66	0.66		0.60	0.60
	<b>Total</b>		<b>331.47</b>	<b>331.47</b>		<b>337.39</b>	<b>337.39</b>		<b>457.06</b>	<b>457.06</b>
11	Others - Expenses shared by ESCOMs		3.61	3.61		3.14	3.14		11.40	11.40
	<b>Grand Total</b>		<b>327.86</b>	<b>327.86</b>		<b>334.25</b>	<b>334.25</b>		<b>445.66</b>	<b>445.66</b>



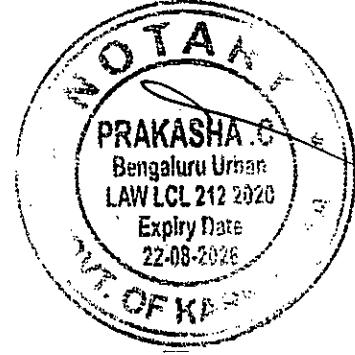
  
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# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

## Employee Costs

## Form T-6

SI No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)	2022-23 (Actuals)
1	Basic Pay	641.80	611.93	739.63
2	Double Wages	10.99	11.27	10.15
3	Dearness Allowance	72.06	136.49	234.43
4	Other Allowances	102.97	104.90	128.67
5	Bonus	7.10	6.91	6.92
6	<b>Sub-Total (1 to 5)</b>	<b>834.92</b>	<b>871.50</b>	<b>1,119.80</b>
7	Medical Expenses	6.45	8.28	6.85
8	Leave travel Assistance	-	0.00	0.00
9	Earned Leave Encashment	55.12	110.33	201.35
10	Payment under Workmen's Compensation Act	0.24	0.17	0.07
11	Payment to Helpers	0.14	0.04	0.04
12	<b>Total Other staff costs ( 7 to .10)</b>	<b>61.94</b>	<b>118.83</b>	<b>208.31</b>
13	Staff Welfare expenses	0.32	0.35	0.91
14	Fees for Training - Courses held by Outsiders	0.11	0.31	0.49
15	Training Expenses for Trainees	0.45	1.04	1.22
16	Terminal Benefits	343.49	344.70	327.41
17	<b>Sub-total (12 to 15)</b>	<b>344.37</b>	<b>346.39</b>	<b>330.03</b>
18	<b>Grand Total</b>	<b>1241.23</b>	<b>1336.72</b>	<b>1658.14</b>
19	Less Expenses Shared by ESCOMs	22.76	26.46	26.06
20	Less: KPTCL Portion of P&G Trust	0.08	0.27	0.34
21	<b>Grand Total</b>	<b>1218.39</b>	<b>1309.99</b>	<b>1631.74</b>



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# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

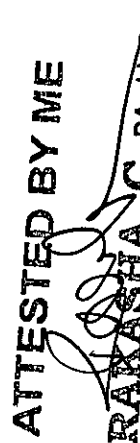
Employees Costs - Additional information Form-T 6A

Sl. No	Category of employee	2022-23 (Actual)		2023-24 (Revised)		2024-25 (Projection)		2025-26 (Projection)		2026-27 (Projection)	
		Sanct- ioned	Working	Sanct- ioned	Working	Sancti- oned	Working	Sanct- ioned	Working	Sanct- ioned	Working
1	Board of Directors	4	4	4	4	4	4	4	4	4	4
2	Chief Engineer & Equivalents	20	18	20	18	20	18	20	18	20	18
3	Superintending Engineers & Equivalents	61	60	61	61	61	61	61	61	61	61
4	Executive Engineers & Equivalents	226	237	226	226	226	226	226	226	226	226
5	Asst Executive Engineers & Equivalents	1013	794	1013	1013	1013	1013	1013	1013	1013	1013
6	Asst Engineers & Equivalents	1525	1266	1525	1525	1525	1525	1525	1525	1525	1525
7	All other staff	13484	7117	13484	9097	13484	10377	13484	11205	13484	12810
	<b>Total</b>	<b>16333</b>	<b>9496</b>	<b>16333</b>	<b>11944</b>	<b>16333</b>	<b>13224</b>	<b>16333</b>	<b>14052</b>	<b>16333</b>	<b>15657</b>

**Note: The following assumptions have been made while projecting the provisional sanctioned and working strength:**


1. No sanctions have been considered for 2021-22 and onwards.
2. The projected working strength is taken as constant upto Sl.No.6 since all vacancies are filled by Promotion and Recruitment(Wherever applicable)
3. Assumed that 1/3 of the consequential vacancies under Sl.No.7 will be filledup by Recruitment from time to time.
4. Retirements have been taken at constant rate based on employee data ending 2021-22(3%).

**ATTESTED BY ME**

  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
 EWS # 16/2, 1st Cross, 2nd Main,  
 KHB, Rasaveshwara Nagar  
**BENGALURU - 560 079**



**Deputy General Manager(Personnel)**

  
**FINANCIAL ADVISOR**  
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 Bengaluru - 560009

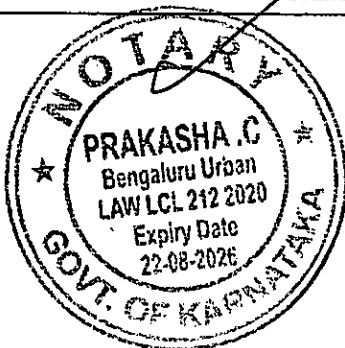
# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

## Administration and General Charges

Form-T7

Rs. in Cr.

SI No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)	2022-23 (Actuals)
1	Rents, Rates and Taxes	12.54	11.64	26.38
2	Security arrangements	10.19	11.26	14.01
3	Insurance			
	Service line charges paid to ESCOMS for obtaining power supply to KPTCL installations			
4	Telephone charges, postages, Telegram Telex Charges and Mobile Phones	3.43	3.13	2.67
5	V-sat, Internet and related charges	6.78	7.38	6.47
6	Legal charges	3.10	2.57	3.54
7	Audit Fee	0.24	0.32	0.32
8	Consultancy charges	0.30	0.26	1.20
9	Technical Fee	0.09	0.01	0.01
10	Other professional charges	20.63	21.98	26.06
11	Travelling expenses, Conveyance and vehicle hire charges	33.82	37.89	47.69
12	Conveyance and vehicle hire charges			
12	<b>Sub-total</b>	<b>91.14</b>	<b>96.44</b>	<b>128.33</b>
13	<b>Other expenses</b>			
a	Fees & subscription & License Fees	1.64	5.53	0.40
b	Books & periodicals	0.05	0.06	0.06
c	Computer Stationery	0.64	0.78	0.85
d	Printing & Stationery	2.06	2.37	3.07
e	Advertisements	3.85	4.16	5.25
f	Contribution/Donations	0.06	0.08	0.82
g	Electricity charges	23.67	25.98	28.24
h	Water charges	0.73	0.67	0.70
i	Entertainment	0.00	0.00	0.01
j	Misc expenditure	17.39	18.96	42.54
	<b>Total other expenses</b>	<b>50.10</b>	<b>58.57</b>	<b>81.94</b>
14	Freight & Other purchase related expenses	1.20	1.57	1.22
	<b>GRAND TOTAL</b>	<b>142.44</b>	<b>156.58</b>	<b>211.49</b>
	<b>Less: Expenses shared by ESCOMs</b>	<b>8.70</b>	<b>9.38</b>	<b>13.97</b>
	<b>KPTCL Portion of P&amp;G Trust</b>	<b>0.01</b>	<b>0.03</b>	<b>0.03</b>
	<b>Grand Total</b>	<b>133.72</b>	<b>147.18</b>	<b>197.49</b>



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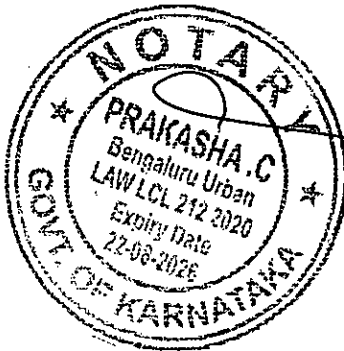


**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
**Depreciation**

Form T8

Rs. In Crore

Sl No	Particulars of assets	2020-21 (Actuals)			2021-22 (Actuals)			2022-23 (Actuals)		
		Depreciation provided for the year	Withdrawal of depreciation	Balance at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance at the end of the year	Depreciation provided for the year	Withdrawal of depreciation	Balance at the end of the year
1	Land and rights									
1a	Amortisation of Lease hold Assets	0.63	0.00	0.63	0.68		1.30	1.84		3.14
2	Building and structures	25.01	0.05	25.17	27.55	0.02	284.74	30.94	-0.03	315.65
3	<b>Plant and Machinery Substation</b> Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	520.24	-67.89	4,948.25	571.87	-69.81	5,450.31	652.86	-103.62	5,999.55
4	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA									
5	Towers, Poles, fixture, overhead conductors and devices	513.92	2.56	4,215.80	550.14	-7.65	4,758.29	647.27	-8.99	5,396.57
6	Underground cables and devices									
7.	Service lines									
8.	Service lines									
9.	Misc equipment									
10.	Other items									
a	Hydraulic Works	6.56	0.00	44.01	7.63	0.00	51.64	8.82	0.00	60.46
b	Other Civil Works	10.53	0.19	46.40	12.86	0.00	59.27	15.84	0.05	75.16
c	Vehicles	2.28	-0.17	9.45	2.46	-0.11	11.81	5.80	0.00	17.61
d	Furniture Fixtures	1.49	-0.17	12.52	1.57	-0.05	14.04	1.57	-0.09	15.52
e	Office Equipments	0.22	-0.27	1.74	0.23	-0.06	1.91	0.25	-0.08	2.09
	<b>Grand Total</b>	<b>1,080.88</b>	<b>(65.72)</b>	<b>9,535.98</b>	<b>1,174.99</b>	<b>(77.66)</b>	<b>10,633.30</b>	<b>1,365.20</b>	<b>(112.77)</b>	<b>11,885.74</b>
	<b>Grand Total</b>	<b>1,080.88</b>	<b>(65.72)</b>	<b>9,535.98</b>	<b>1,174.99</b>	<b>(77.66)</b>	<b>10,633.30</b>	<b>1,365.20</b>	<b>(112.77)</b>	<b>11,885.74</b>



WITNESSED BY ME  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
 EWS # 16/2, 1st Cross, 2nd Main,  
 KHB, Basaveshwara Nagar  
 BENGALURU - 560 079

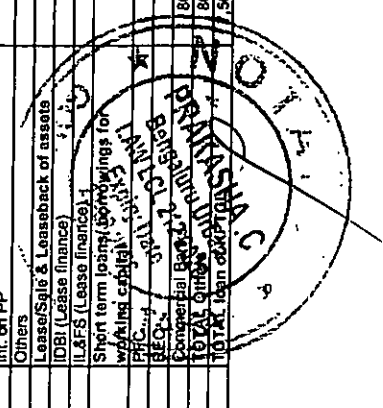
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 Bengaluru - 560009

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
**Loans and Debentures and interest charges**

Form - T9

Rs. in Crore

Institution	Financial Year 2020-21						Financial Year 2021-22						Financial Year 2022-23						
	Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal	Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal	Opening Balance	New loan addition	Total loan at the end of the year	Repayment of principal	Interest for the year	Closing Bal	
1	0.00		0.00			0.00		0.00			0.00		0.00		0.00				0.00
2	1.79		1.79	0.59	0.2	1.20		1.20	0.00	0.12	1.20		1.20		1.20	1.20	0.06		0.00
3	1.79		1.79	0.59	0.20	1.20		1.20		0.12	1.20		1.20		1.20	1.20	0.06		0.00
State Bank of Mysore	448.57		448.57	85.72	31.42	362.85		362.85	67.88	23.04	294.97		294.97		294.97	50.02	20.08		244.95
State Bank of India	1,000.20	540	1,540.20	87.8	78.59	1,452.40		1,452.40	87.84	100.28	1,364.56		1,364.56	500	1,864.56	87.91	119.72		1,776.65
Punjab National Bank	670.00		670.00	30.00	52.11	640.00		640.00	30.02	65.42	1,109.98		1,109.98	1488.00	2,597.98	40.33	129.37		2,557.65
REC Ltd.	(0.00)		(0.00)			(0.00)		(0.00)			(0.00)		(0.00)		(0.00)				(0.00)
Union bank of India	692.00		692.00			692.00		692.00	0.01	54.32	749.99		749.99		749.99		56.89		749.99
PFC	0.00		0.00			0.00		0.00			0.00		0.00		0.00				0.00
Bank of Baroda	250.00		250.00		20.30	250.00		250.00	0.03	28.65	749.97		749.97		749.97	12.51	53.74		737.46
Vijaya Bank	656.76		656.76	139.93	48.51	516.83		516.83	138.81	33.72	378.01		378.01		378.01	135.27	23.41		242.74
Oriental Bank of Commerce																			
Bank of India	572.50		572.50	67.50	43.84	505.00		505.00	85.06	34.28	419.94		419.94		419.94	85.42	28.08		334.52
Bank of Rajasthan																			
Indian Bank	80.00		80.00	30.00	17.21	400.00		400.00	20.00	28.45	380.00		380.00	500	880.00	20.05	35.74		859.95
Loan from UCO BANK	180.00		180.00	20	13.92	160.00		160.00	20.00	13.81	640.00		640.00		640.00		49.35		619.98
Jammu & Kashmir Bank	590.00		590.00		42.84	550.00		550.00	55.05	38.12	494.95		494.95		494.95	55.28	35.88		439.68
Loan from Punjab & Sindh Bank	320.00		320.00	60.00	24.32	260.00		260.00	60.03	17.59	199.97		199.97		199.97	60.12	12.81		139.85
Loan from Canara Bank	1,880.32		1,880.32	132.82	146.52	1,747.50		1,747.50	145.10	124.14	1,602.40		1,602.40		1,602.40	202.80	112.84		1,399.60
Bank of Maharashtra																			
Corporation Bank	90.84		90.84	35.65	24.32	54.99		54.99	20	3.22	34.99		34.99		34.99	20	1.79		14.99
Total Loans Secured	6698.99	1582.00	8280.99	689.42	543.69	7591.57		7591.57	729.83	565.05	8419.74		8419.74	2488.00	10907.74	789.74	679.70		10118.00
Loans from Others - Unsecured																			
Private Placement of Bonds																			
Public Bonds																			
Loans from REC-Rationalised	(0.00)		(0.00)			(0.00)		(0.00)			(0.00)		(0.00)		(0.00)				(0.00)
Commercial Banks (IP set loans)	(0.00)		(0.00)			(0.00)		(0.00)			(0.00)		(0.00)		(0.00)				(0.00)
4 Commercial Banks (SPA)	(0.00)		(0.00)			(0.00)		(0.00)			(0.00)		(0.00)		(0.00)				(0.00)
Total Loans Un Secured	(0.00)		(0.00)			(0.00)		(0.00)			(0.00)		(0.00)		(0.00)				(0.00)
Supplier Lines of Credit																			
5 Bills payable (JSL)																			
Bills payable (KECIL)																			
Bills payable (RPGT)																			
Other Financial Institutions																			
Other Finance Charges																			
Interest accrued and due																			
Total Suppliers Line of Credit																			
7 TOTAL	6,700.78	1,582.00	8,282.78	690.01	543.69	7,592.76	7,592.76	9,150.76	729.83	565.17	8,420.93	8,420.93	10,908.93	2,488.00	13,886.35	2,775.94	741.25		11,140.41
Borrowing for W Cap																			
Int. on PP																			
Others																			
Lease/Sale & Leaseback of assets																			
IDBI (Lease finance)																			
IL&FS (Lease finance) 1																			
Short term loans/borrowings for working capital																			
PFC																			
8 TOTAL	800.00	800.00	1,600.00	925.00	51.17	675.00	675.00	2,214.37	1,727.96	51.99	1,161.41	1,161.41	2,947.41	1,786.00	4,733.41	1,925.00	61.49		1,022.41
9 TOTAL	500.78	2,382.00	9,882.78	1,615.01	595.05	8,267.76	8,267.76	3,772.37	2,457.78	617.16	9,582.35	9,582.35	13,856.35	4,274.00	18,130.35	2,775.94	741.25		11,140.41



**FINANCIAL ADVISOR**  
 Regulatory Affairs  
 KPTCL, Kaveri Bhavan  
 Bengaluru - 560009

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

**FORM - T 9A**

Sale and Lease Back of Assets - Ensuing Year 2022-23 (Provisional)								
Sl. No.	Particulars of Assets	Year of Acquisition	Original Cost of the Asset	Year of Sale	Book value at the time of the sale	Period of Lease (Years)	Annual Lease payments	Remarks
	Transformers accessories circuit breakers				NIL			
	<b>Total</b>							

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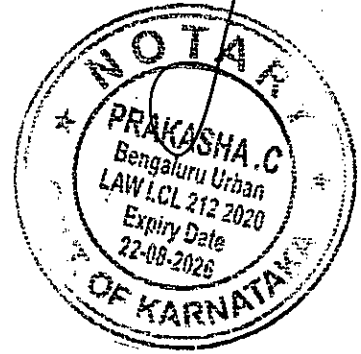
*Prakashia*  
**PRAKASHA. S. BA., LL.B.,**  
**ADVOCATE & NOTARY**  
EMS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079




**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
**Details of Expenses Capitalised**

Form T10

Sl No	Particulars	Rs. In Crore		
		2020-21	2021-22	2022-23 (Actuals)
1	Interest & Finance charges Capitalised	97.25	111.34	98.81
2	<b>Other expenses capitalised:</b>			
a	Employee Costs	54.08	57.16	57.55
b	Administration and General Expenses	9.70	11.43	14.14
c	Repairs and maintenance	0.02	0.01	0.66
d	Depreciation	0.48	0.49	0.71
e	Others, if any			
	<b>Total of 2</b>	<b>64.28</b>	<b>69.09</b>	<b>73.06</b>
	<b>Grand Total</b>	<b>161.53</b>	<b>180.43</b>	<b>171.87</b>



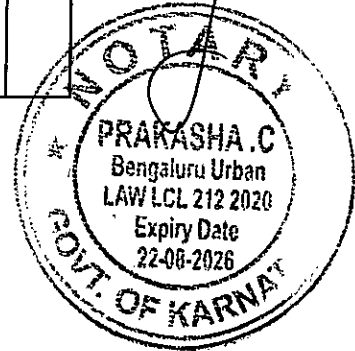
  
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Other Debits

FORM - T11  
Rs. in Cr.

SI No	Particulars	2020-21	2021-22	2022-23 (Actuals)
1	Material Cost Variance			
2	Research & Development Expenses			
3	Cost of Trading & Manufacturing			
4	Bad & Doubtful Debts provided	11.07	8.87	14.17
5	Miscellaneous Losses & write off	2.61	3.44	3.65
6	Intangible assets written off			
7	Sundry Expenses writtenoff			
8	Others	21.04	22.44	31.40
9				
10				
	<b>Grand Total</b>	<b>34.73</b>	<b>34.76</b>	<b>49.23</b>




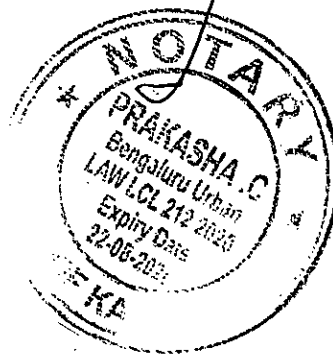
  
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**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
**Extraordinary items / Exceptional Items**

**FORM - T12**  
 Rs. in Cr.

SI No	Particulars	2020-21	2021-22 (Provisional)	2022-23 (Actuals)
1	Extraordinary Credits(incl. subsidies aganst losses due to natural disasters			
	<b>TOTAL CREDITS</b>			
2	Extraordinary Debits / Exceptional Items	527.79	178.31	
	<b>TOTAL DEBITS</b>			
	<b>Grand Total</b>	<b>527.79</b>	<b>178.31</b>	<b>0.00</b>

  
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**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

**FORM - T13**

**Net Prior Period Credit/(Charges)**

Sl No	Particulars	2020-21	2021-22	2022-23
	<b>Income relating to previous years:</b>			
1	Interest income for prior periods			
2	Income Tax proir period			
3	Excess Provision for Depreciation			
4	Excess Provision for Interest and Fin. Charges			
5	Receipts from consumers			
6	Other Excess Provision			
7	Others Income			
	<b>Total</b>			
	<b>Expenditure relating to previous years</b>			
1	Power Purchase			
2	Operating Expenses			
3	Excise Duty on generation			
4	Employee Cost			
5	Depreciation			
6	Interest and Finance Charges			
7	Admn. Expenses			
8	Withdrawal of Other Amounts credited to Misc. Rev.			
9	Material Related			
10	Other			
	<b>Total</b>			
	<b>Net prior period (Credit)/Charges</b>			



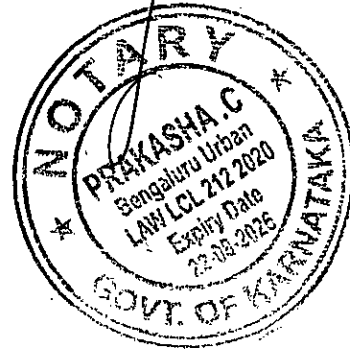
  
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**FORM - T14**

Rs. in Cr.

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED****Contributions, Grants and Subsidies towards cost of Capital Assets**

Sl No	Particulars	2020-21 (Actual) (Restated)			2021-22 (Actual) (Restated)			2022-23 (Actuals)		
		Balance at the beginning of the year	Additions during the Year	Balance at the end of the year	Balance at the beginning of the year	Additions during the Year	Balance at the end of the year	Balance at the beginning of the year	Additions during the Year	Balance at the end of the year
1	Consumers Contribution	1199.69	134.72	1334.40	1334.40	218.28	1552.68	1552.68	128.48	1681.16
2	Subsidies towards cost of Capital Assets*									
3	Grants towards cost of Capital Assets*									
4	Others									
	<b>Grand Total</b>	<b>1,199.69</b>	<b>134.72</b>	<b>1,334.40</b>	<b>1,334.40</b>	<b>218.28</b>	<b>1,552.68</b>	<b>1,552.68</b>	<b>128.48</b>	<b>1,681.16</b>



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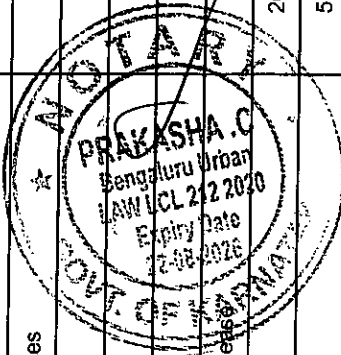


**MISSION CORPORATION LIMITED**  
**GROSS FIXED ASSETS**

**FORM - T15**

Rs. in Cr.

Sl No	Particulars of assets	2020-21			2021-22			2022-23 (Actuals)		
		Additions during the year	Retirement/ Adj. of assets during the year	Balance at the end of the year	Additions during the year	Retirement/ Adj. of assets during the year	Balance at the end of the year	Additions during the year	Retirement/ Adj. of assets during the year	Balance at the end of the year
1	Land and rights	74.79	5.22	468.21	82.23	-0.96	549.48	28.46	-0.29	577.65
2	Building and structures	88.55	2.18	844.00	100.85	-2.92	941.94	68.20	1.00	1,011.14
3	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	1257.69	-121.44	11,844.17	1,487.50	2.61	13,334.29	1390.80	-187.31	14,537.77
4	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA			-			-			-
5	Towers, Poles, fixture, overhead conductors and devices	764.53	-25.52	11,083.42	1,746.05	(4.21)	12,825.26	1239.61	-25.97	14,038.90
6	Underground cables and devices			-			-			-
7	Service lines			-			-			-
8	Metering equipment			-			-			-
9	Misc equipment			-			-			-
10	Other items - Land Held Under lease			-			-			-
a	Hydraulic Works	20.48	0.80	140.64	25.25	(0.21)	165.69	12.68	0.21	178.58
b	Other Civil Works	57.64	0.73	277.72	68.11	(10.26)	335.58	47.81	0.10	383.48
c	Vehicles	0.00	-0.19	27.17	21.66	(0.12)	48.71	19.97	0.00	68.68
d	Furniture Fixtures	4.11	-0.18	14.30	16.51	(0.55)	30.26	1.25	-0.01	31.49
e	Office Equipments	0.29	-0.43	4.09	0.57	(0.15)	4.50	0.67	-0.14	5.03
	<b>Intangible assets</b>			-			-			-
	<b>Grand Total</b>	<b>2,268.08</b>	<b>(138.83)</b>	<b>24,703.73</b>	<b>3,548.73</b>	<b>(16.76)</b>	<b>28,235.70</b>	<b>2,809.44</b>	<b>(212.41)</b>	<b>30,832.73</b>

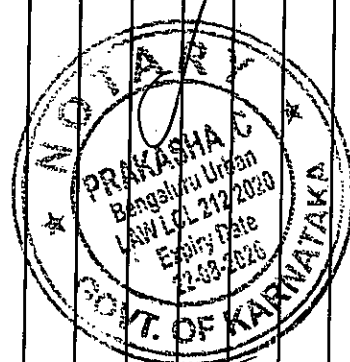


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**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**  
**NET FIXED ASSETS**

**FORM - T16**  
Rs. in Cr.

Sl No	Particulars of assets	2020-21			2021-22			2022-23		
		Addition of assets during the year	Net Depreciation for the Year	Balance at the end of the year	Addition of assets during the year	Net Depreciation for the Year	Balance at the end of the year	Addition of assets during the year	Net Depreciation for the Year	Balance at the end of the year
1.	Land and rights	69.57	0.63	467.58	83.19	0.68	548.17	28.18	1.84	574.51
2.	Building and structures	86.37	24.96	586.83	103.77	27.54	657.20	67.20	30.98	695.49
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	1379.14	588.14	6,895.92	1484.89	641.68	7,883.97	1203.49	549.23	8,538.23
4.	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA .	0.00	0.00	-	0.00	0.00	-	0.00	0.00	-
5.	Towers, Poles, fixture, overhead conductors and devices	790.05	511.36	6,867.62	1750.26	557.78	8,066.97	1213.64	638.28	8,642.33
6.	Underground cables and devices			-			-			-
7.	Service lines			-			-			-
8.	Metering equipment			-			-			-
9.	Misc equipment			-			-			-
10.	Other items			-			-			-
a	Hydraulic Works	19.68	6.56	96.63	25.46	7.63	114.06	12.46	8.82	118.12
b	Other Civil Works	56.91	10.35	231.32	78.37	12.86	276.31	47.71	15.90	308.32
c	Vehicles	0.19	2.45	17.72	21.77	2.57	36.90	19.97	5.80	51.07
d	Furniture Fixtures	4.29	1.66	1.77	17.06	1.62	16.22	1.23	1.48	15.97
e	Office Equipments	0.72	0.49	2.35	0.72	0.29	2.60	0.53	0.18	2.95
	<b>Grand Total</b>	<b>2,406.91</b>	<b>1,146.60</b>	<b>15,167.74</b>	<b>3,565.49</b>	<b>1,252.65</b>	<b>17,602.40</b>	<b>2,594.41</b>	<b>1,252.50</b>	<b>18,946.99</b>

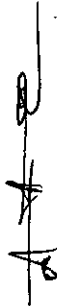


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Bengaluru - 560009

**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED FORM - T17**

Work-in-Progress	Rs. in Cr.		
	2020-21	2021-22	2022-23
<b>Description</b>			
<b>Opening balance</b>	3,093.88	3,356.76	3,156.05
<b>Add:</b>			
i) Capital expenditure	2049.79	2833.70	3452.21
ii) Interest & Finance charges capitalised	97.25	111.34	98.81
iii) Other expenses capitalised	64.28	69.09	73.06
<b>Total capital expenditure for the year</b>	<b>2211.32</b>	<b>3014.13</b>	<b>3624.08</b>
<b>Less: Expenditure Capitalised (Transferred to Form-T15/D15)</b>	2268.08	3548.73	2809.44
<b>Other Adjustments</b>	389.40	333.89	832.73
<b>Closing Balance</b>	<b>3,356.76</b>	<b>3,156.05</b>	<b>4,803.42</b>



  
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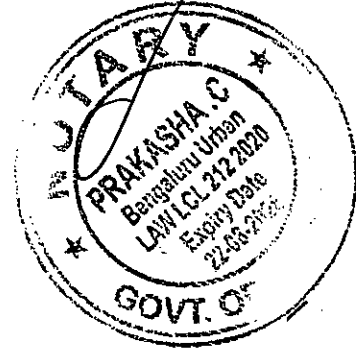
**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

Receivables against Sale of Power

**DEMAND, COLLECTION AND BALANCE OF REVENUE FOR THE YEAR 2022-23**

Form-T18

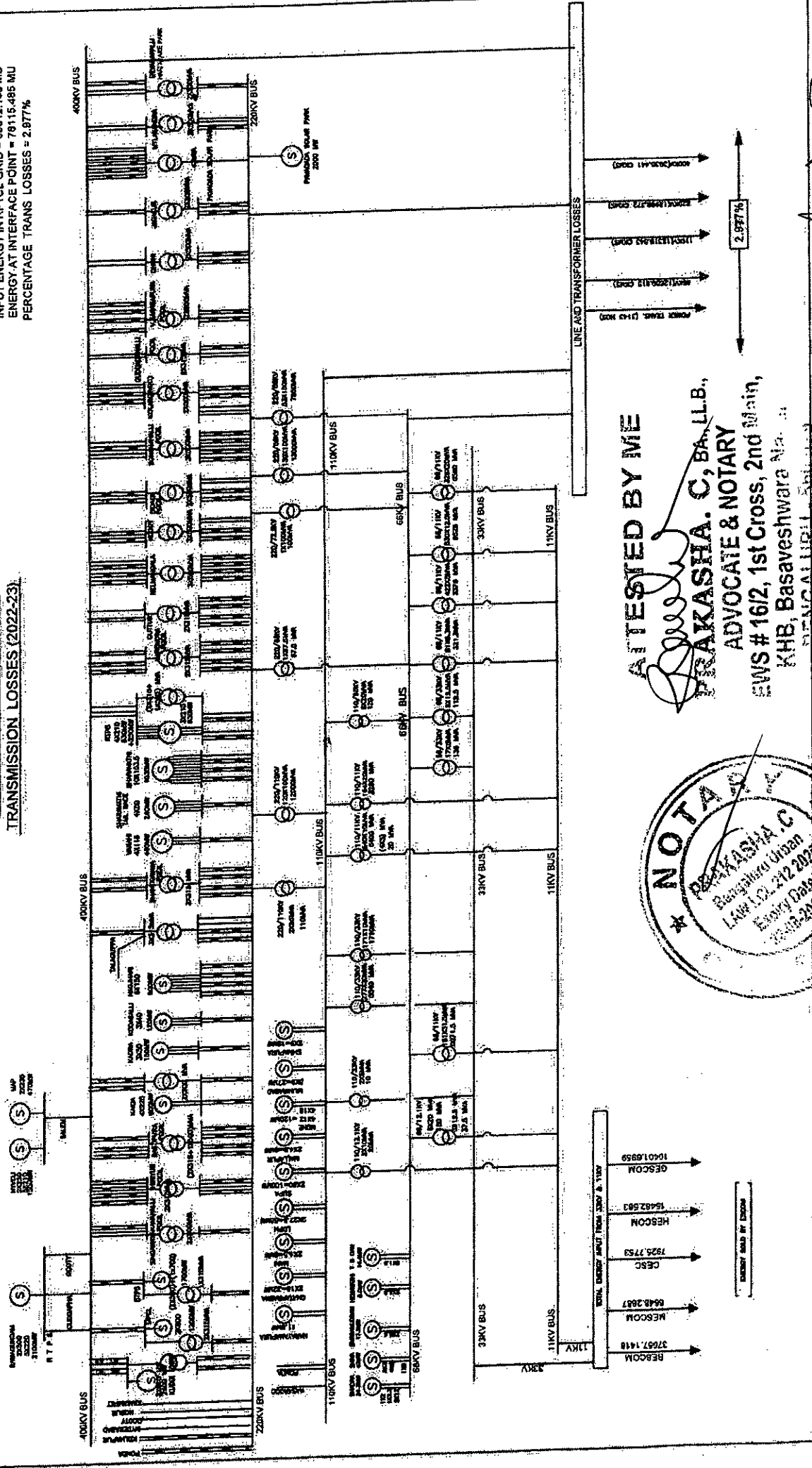
SL NO	NAME OF Company	OPENING BALANCE		FOR THE YEAR								CLOSING BALANCE	
		PRINCIPAL	INTEREST	DEMAND		COLLECTION		COLLECTION %		PRINCIPAL	INTEREST		
				PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST				
1	BESCOM	1191.11		2424.00		2322.16			96%	1292.94			
2	MESCOM	22.02		354.86		350.90			99%	25.98			
3	CESC	103.45		527.81		547.60			104%	83.66			
4	HESCOM	12.57		893.10		509.94			57%	395.73			
5	GESCOM	119.08		562.58		566.56			101%	115.10			
7	Grand Total	1448.24		4762.35		4297.17			90%	1913.42			



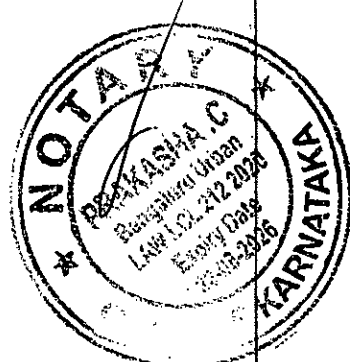
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 Regulatory Affairs  
 KPTCL, Kaveri Bhavan  
 Bengaluru - 560009

**ENERGY FLOW DIAGRAM FOR  
TRANSMISSION LOSSES (2022-23)**

INPUT ENERGY IN KPTCL GRID = 80512.168 MU  
ENERGY AT INTERFACE POINT = 78115.485 MU  
PERCENTAGE TRANS LOSSES = 2.977%



**ATTESTED BY ME**  
*Prakashia C*  
**PRAKASHIA. C, B.A., LL.B.,**  
**ADVOCATE & NOTARY**  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar,  
BENGALURU - 560009



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**KARNATAKA POWER TRANSI Form-T20**  
Existing Tariffs and Proposed Tariffs

Form-T20

Sl. No	Type of Installation	Proposed Tariffs FY2021-22		Proposed Tariffs FY2022-23	
		Transmission Charges / MW / Month	Energy Charges	Transmission Charges / MW / Month	Energy Charges
1	BESCOM				
2	MESCOM				
3	CESC				
4	HESCOM				
5	GESCOM				
	<b>GRAND TOTAL</b>				

Not Applicable



**ATTESTED BY ME**  
*Prakash C*  
**PRAKASHA. C, BA., LL.B.,**  
**ADVOCATE & NOTARY**  
EWS # 16/2, 1st Cross, 2nd Main,  
KHB, Basaveshwara Nagar  
BENGALURU - 560 079

*Prakash C*  
**FINANCIAL ADVISOR**  
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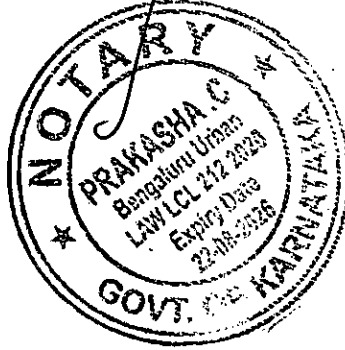
**KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**

Existing Revenues and Proposed Revenues

Form-T21

Sl. No.	Type of installation	Existing Rates					Proposed Rates					Expected ARM at proposed charges (Rs Crs)	Increase (%)	
		Energy Input (MU)	Energy Charge (p/KWh)	Monthly Demand Charge (Rs/KVA)	Fixed Charges Rs. Crs.	Variable Charges Rs. Crs.	TOTAL AMT (RS.CRS)	Energy Charge (Rs/KWh)	Monthly Demand Charge (Rs/KVA)	Fixed Charges Rs. Crs.	Variable Charges Rs. Crs.			TOTAL AMT (RS.Ct.)
1	BESCOM													
2	MESCOM													
3	HESCOM													
4	GESCOM													
5	Hukerri Rural Electrical Cooperative Society													
<b>GRAND TOTAL</b>														

Not Applicable



*[Signature]*  
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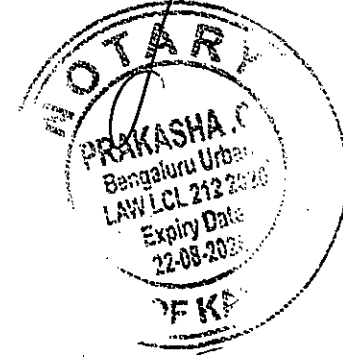
# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T22

Expected Revenue when Proposed Tariff is Introduced for a Part Year

Sl. No	Tariff Category	Type of Installation	Sales (MW)			Revenue (Rs in Crs)		
			At Current Tariff	At Proposed Tariff	Total	At Current Tariff for 8 Months	At Proposed Tariff for 4 months	Total
1		BESCOM						
2		MESCOM						
3		CESC						
4		HESCOM						
5		GESCOM						
6		Hukerii Rural Electrical Cooperative Society						
		<b>GRAND TOTAL</b>						

Not Applicable



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# KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Embedded cost of service of supply of electricity

Form-T23

Sl. No.	Voltage / Consumer	Cost of Service of supply per Kwh				Total
		Item 1	Item 2	Item 3	.....	
1	BESCOM					
2	GESCOM					
3	HESCOM					
4	MESCOM					
5	Hukerii Rural Electrical Cooperative Society					
						Not Applicable
						<b>GRAND TOTAL</b>

(Rs. in Crs)



**ATTESTED BY ME**

**PRAKASHA. C, BA, LL.B.,  
ADVOCATE & NOTARY  
# 16/2, 1st Cross, 2nd Main,  
Basaveshwara Nagar  
BENGALURU - 560 079**

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