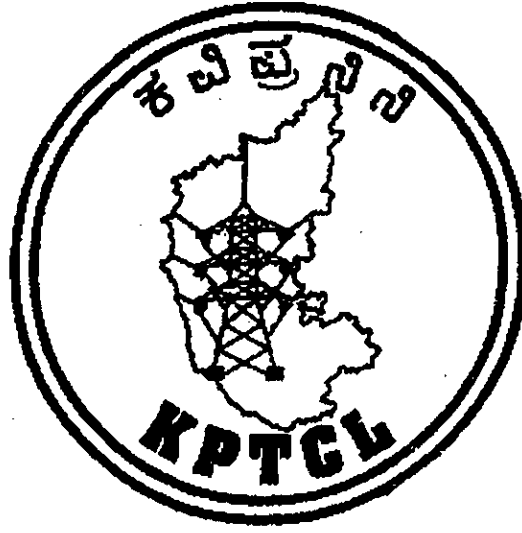
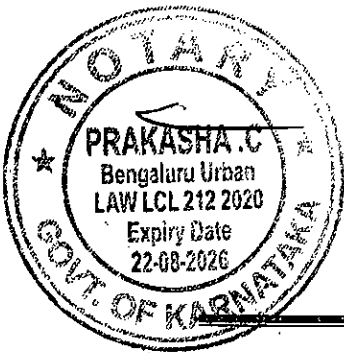


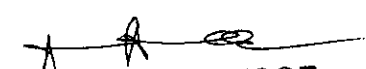
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED



ANNUAL PERFORMANCE REVIEW 2021-22

NOVEMBER-2022




FINANCIAL ADVISOR
Regulatory Affairs
KPTCL, Kaveri Bhavan
Bengaluru - 560009

**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-22.

AND

IN THE MATTER OF

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

.....Applicant

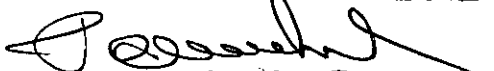
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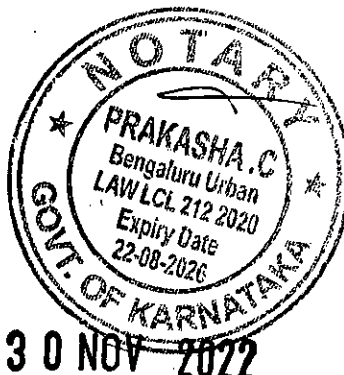
1. I, Sri Anil Kumar K, S/o Sri. Krishna Murthy Karpur, aged 58 years, working as Financial Advisor (Regulatory Affairs), KPTCL, Kaveri Bhavan, Bengaluru - 560009 do hereby solemnly affirm and state as follows:-
2. I am the Financial Advisor of Regulatory Affairs section, KPTCL, Corporate Office, Kaveri 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-22 having pages from 1- 75, 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 30th day of November 2022 that the contents of above affidavit are true to my knowledge. No part of it is false and no material is concealed therefrom.

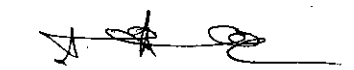
Bengaluru - 560009

Dated: 30.11.2022.

SWORN TO BEFORE ME

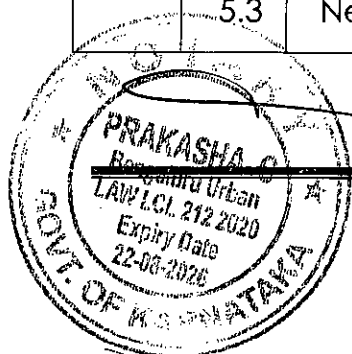

PRAKASHA. C, BA, LL.B.,
ADVOCATE & NOTARY
EWS # 16/2, 1st Cross, 2nd Main,
KHB, Basaveshwara Nagar
BENGALURU - 560 079




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

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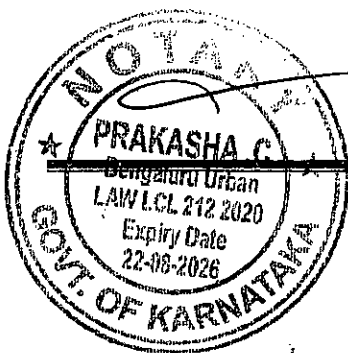
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Regulatory Affairs
KPTCL - Kaveri Bhavani
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Karnataka Power Transmission Corporation Ltd

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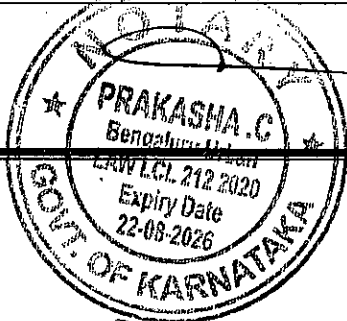


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Karnataka Power Transmission Corporation Ltd

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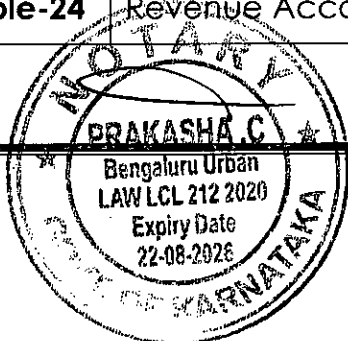


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Regulatory Affairs
KPTCL Kaveri Bhavan

Karnataka Power Transmission Corporation Ltd 560009

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**FINANCIAL ADVISOR**

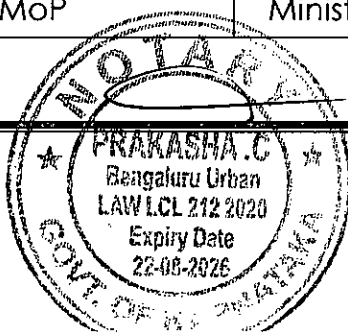
Regulatory Affairs

Karnataka Power Transmission Corporation Ltd. KPTCL Bhavan

Bengaluru - 560009

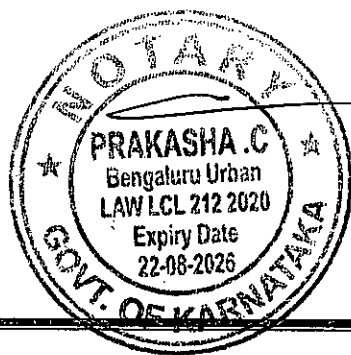
ABBREVIATIONS

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
MoP	Ministry of Power



Karnataka Power Transmission Corporation Ltd

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



Karnataka Power Transmission Corporation Ltd

FINANCIAL ADVISOR
Regulatory Affairs
KPTCL, Kaveri Bhavan
Bengaluru - 560009

"A"

BEFORE THE HON'BLE KARNATAKA ELECTRICITY REGULATORY COMMISSION
AT BENGALURU

IN THE MATTER OF:

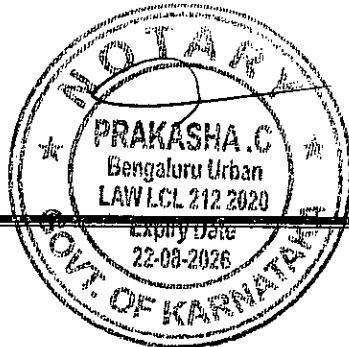
Application under Section 62 and 64 of the Electricity Act 2003 read with relevant KERC (Tariff) Regulations-2000 and amendments, KERC (Terms and conditions for determination of transmission Tariff) Regulations-2006 and amendments, for the purpose of Annual Performance Review of Transmission Licensee-KPTCL, based on Audited Annual Accounts of KPTCL for FY-22.

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

..... Applicant

KPTCL most respectfully submits the Statement of Annual Revenue Requirement for FY 2021-22 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.



FINANCIAL ADVISOR
Karnataka Power Transmission Corporation Ltd. Affairs

KPTCL, Kaveri Bhavan
Bangalore - 560009

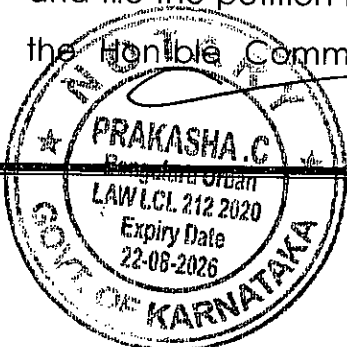
CHAPTER 1

1.0. ANNUAL PERFORMANCE REVIEW (APR) FOR FY-22

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-22 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 2021-22. Audited Annual Accounts of KPTCL for FY-22 was furnished to KERC vide letter No. KPTCL/B36/33995/2022-23/1179 dated 02.11.2022. The details of income from transmission charges and the expenditure as per the Audited Accounts of KPTCL for FY-22 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-22.
- 1.4** The Financial Advisor, Regulatory Affairs, KPTCL is authorized to sign and file the petition for Annual Performance Review of FY-22 before the Hon'ble Commission on behalf of KPTCL by the resolution



Karnataka Power Transmission Corporation Ltd.

FINANCIAL ADVISOR

Regulatory Affairs
KPTCL, Kaveri Bhavan
Bengaluru - 560009

passed by the Board of Directors by circulation in accordance with Article 41 of Articles of Association of KPTCL vide Circular Resolution No.02/2022-23 dated 28.11.2022.

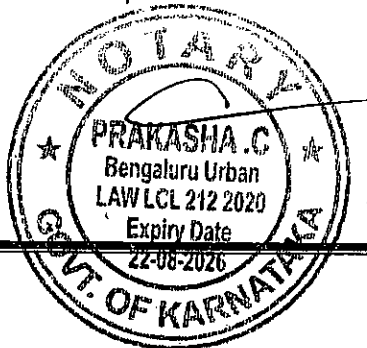
1.5 KPTCL Profile:

- i) Karnataka Power Transmission Corporation Limited is a Company registered under the Companies Act, 1956 and incorporated on 28th July 1999. KPTCL commenced its operations from 1st August 1999 by continuing the Transmission and Distribution functions of the erstwhile Karnataka Electricity Board. On unbundling, w.e.f 1st 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 10th 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 285.97 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 1299 Sub-stations with



Transmission network of 40304 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 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.

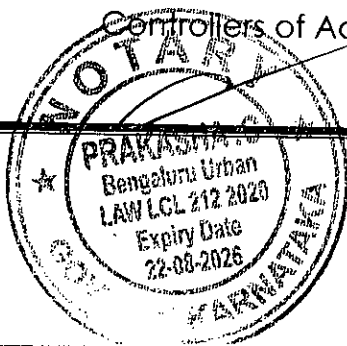
- iv) There are 35 Transmission line and Sub-Station maintenance Divisions (TL&SS) in KPTCL which are involved in the operation and maintenance of the transmission system in Karnataka. Besides, there are 15 Major Works Division which takes care of construction activities related to intra-state Transmission 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.



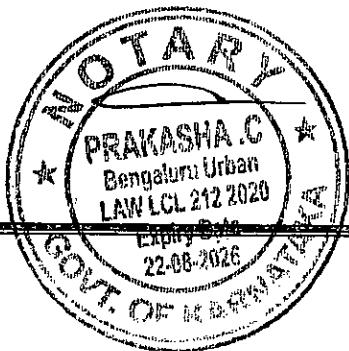
Karnataka Power Transmission Corporation Ltd.

FINANCIAL ADVISOR
Regulatory Affairs
KPTCL, Kaveri Bhavani
Bengaluru - 560009

- 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 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 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).
- xi) All activities pertaining to Regulations issued by KERC and all correspondence with KERC are being dealt by the Financial Advisor (Regulatory Affairs). Regulatory legal matters before KERC/CERC/APTEL/HC/SC are also being 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. 4379.57 Crore during 2021-22 as per Audited Annual Accounts.
- xiv) The total installed sub-station capacity of the State as on 31.03.2022 was 76768 MVA (2998 Transformers). The peak load met was 14818 MW on 18.03.22 during the year 2021-22.



Karnataka Power Transmission Corporation Ltd

FINANCIAL ADVISOR

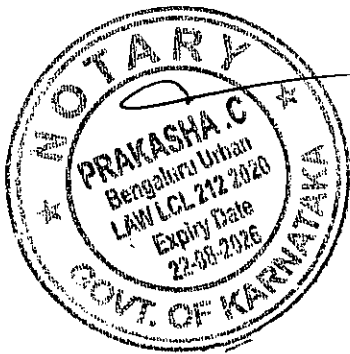
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KPTCL, Kaveri Bhavan
Bengaluru - 560009

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
Karnataka Power Transmission Corporation Ltd

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 04th April 2022 issued the following directives for compliance by KPTCL:

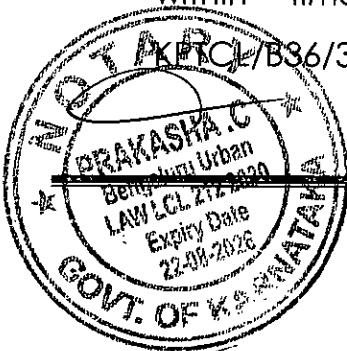
2.1 New Directive: Issue of Evacuation Clearance by KPTCL:

The Commission directed KPTCL to evolve a definite time frame for clearing the evacuation requests by fixing timelines at different stages of giving officers/officials for the delay so as to ensure that the evacuation clearance is given within a reasonable time and avoid delays and consequent litigations in the matter.

Compliance:

The detailed flowchart illustrating the definite time frame for clearing the evacuation scheme by fixing time lines to avoid delay so as to ensure that the evacuation approval is accorded within time was submitted to KERC vide Letter No.:

KPTCL/B36/33973/2022-23/1061 Dated:12.10.2022.



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

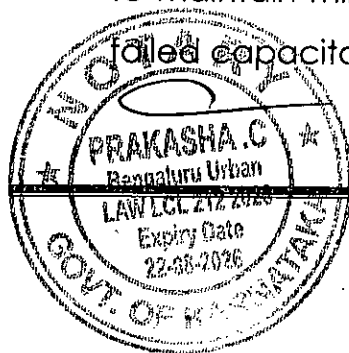
The Commission directed KPTCL and SLDC to strictly adhere to the timelines fixed by the Commission as per the OA Regulations. For this purpose, they shall define the responsibility centers and fix definite timelines at each of the processing stage and ensure that the W&B applications are disposed of within the prescribed timeframe.

Compliance:

The detailed report on the procedure adopted/to be adopted for issue of No Objection Certificates (NOC) for wheeling and banking facility to open access consumers/captive generators duly indicating definite timelines was submitted to KERC vide Letter No.: KPTCL/B36/33973/2022-23/1061 Dated:12.10.2022.

2.3 Existing Directive: 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.



Karnataka Power Transmission Corporation Ltd.

FINANCIAL ADVISOR

Regulatory Affairs
KPTCL, Kaveri Bhavan
Bengaluru - 560009

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.

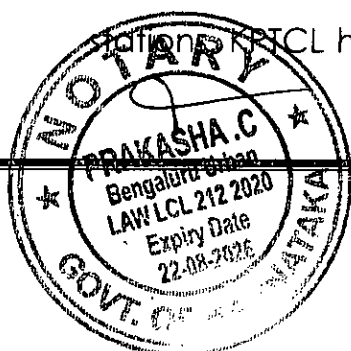
The Status of Capacitor Banks as on July 2022 was submitted to KERC vide letter No. KPTCL/B36/ 2022-23/34005/1133 dated: 29.10.2022. Further, the details of Reactive Energy Charges for the FY-22 have been furnished to KERC vide letter No. KPTCL/B36/2021-22/22453/1255 dated 09.11.2022.

2.4 Existing Directive: Implementation of Intra State ABT:

KPTCL, SLDC and ESCOMs are directed to conduct a meeting under the chairmanship of MD KPTCL to try and sort out the issues with regards to billing methodology under Intra-State ABT once KPCL completes installation of ABT meters of its hydel stations so as to find a way out to implement the Intra-State ABT at least by March 2022.

Compliance:

KPCL is yet to complete the installation of ABT meters of its hydel stations. KPTCL has addressed a letter to KPCL on 22.12.2021 and



30.06.2022 to expedite completion of the installation along with replacement of all interface points energy meters by ABT meters at the Generating Stations for implementation of SAMAST. Hence, a meeting will be conducted to sort the issues with regard to billing methodology under Intra-State ABT once KPCL completes installation of ABT meters.

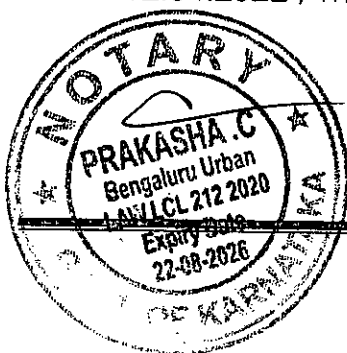
2.5 Existing Directive on Man Power Studies conducted:

The Commission has directed KPTCL to circulate the report submitted by the internal committee of KPTCL among all the ESCOMs and similar action be taken in all the ESCOMs for streamlining the deployment and career growth in order to achieve higher employee productivity and accrual of greater benefits to the organization which would also reduce the tariff burden on the consumers.

Further, the Commission directs that KPTCL shall ensure proper implementation of the Man Power planning strategy with a view to ensure optimum use of human resources to minimize its operational costs.

Compliance:

KPTCL has entrusted Human Resource Study to M/s. Institute of Social and Economic change (ISEC) , Bengaluru vide work award dated 23.09.2021. The Agency has submitted its Interim report on 12.04.2022 , which is under verification/validation.



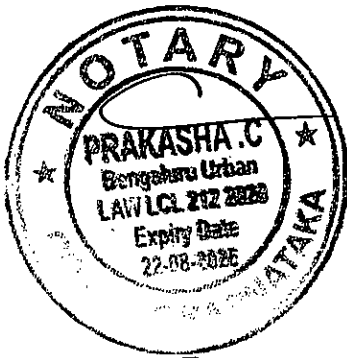
The said report furnished by the Agency is limited to activities of KPTCL alone. Hence, the report can only be suitable for implementation in KPTCL only.

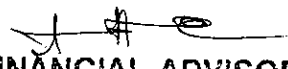
2.6 Existing Directive on prevention of electrical accidents:

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 was furnished to the Hon'ble Commission vide letter No. KPTCL/B36/34009/2022-23/1268 Dated: 14.11.2022.




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CHAPTER – 3

3.0 Energy Transmission and Losses in FY-22:

Total Energy input to KPTCL's transmission system during FY-22 was 75677.107 MU and the energy transmitted at IF points with ESCOM's was 73416.388 MU resulting in transmission loss of 2.987%. Actual Voltage wise losses are noted below:

Table- 1

Voltage Wise Transmission Losses (%) for FY-22

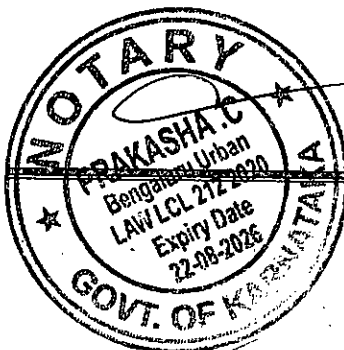
400 kV	0.260
220 kV	1.473
110 kV	0.336
66 kV	0.919

Table- 2

Trajectory of Transmission Losses (%) for FY-22

	Approved in T.O 04.11.2020	As per Actuals
Upper Limit	3.028	2.987
Average	2.978	
Lower limit	2.928	

The details of Transmission losses for FY-22 has been furnished to KERC vide letter KPTCL/B36/2021-22/22467/1082 dated 17.10.2022.



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Table- 3
System Availability for FY-22

System Availability	Target Availability as per KERC MYT Regulations	Actual
Percentage	98%	99.19%

The details of Transmission system availability for FY-22 has been furnished to KERC vide letter KPTCL/B36/22458/2021-22/1238 dated 7.11.2022. 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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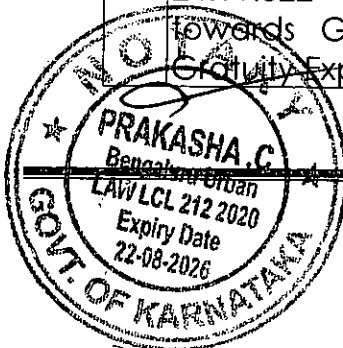
CHAPTER – 4

4.0 PERFORMANCE OF KPTCL FOR 2021-22

4.1 Financial Performance of KPTCL for FY-22

Table- 4

		(Amount in Rs. Crore)
Sl No	Particulars	Actual as per Audited Accounts for FY-22
1	Operation and Maintenance Cost:	
a)	Employee costs	1310.09
b)	Repairs and Maintenance costs	334.24
c)	Administration and General expenses	147.10
	Total O & M Expenses	1791.43
2	Depreciation	1169.27
3	Finance costs	574.45
4	Interest on working capital	51.99
5	Return on equity	892.64
6	Other debits , if any	34.76
7	Exceptional items	-178.31
8	Tax expense	287.33
	TOTAL Expenditure	4623.56
	Less	
9	Interest and finance charges capitalized	111.34
10	Other expenses capitalized	68.62
11	Other Income	272.59
12	Net ARR	4171.01
13	Revenue from Transmission Charges	4106.98
14	Revenue Gap	64.03
15	Add: Amount disallowed in respect of works which were identified as imprudent for FY 20 and FY 21, which are now prudent. (Rs.1.51Cr. +Rs.3.82 Crs.)	5.33
16	Add: Consequent to G.O. dated 15.11.2022 and corrigendum dated 24.11.022 , Additional Employee cost towards GoK portion of Pension and Gratuity Expenditure	2734.10



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	a) Towards Arrears from FY 21-22 TO 22-23 to be collected in three equal instalments ie., (Rs.3,357.27 Cr./3)= 1,117.76 Cr. PLUS b) Towards estimated contribution for FY 2023-24 – Rs. 1616.34 Crs.	
17	Total Revenue Gap	2803.46

Table- 5
Total Revenue for FY-22

(Amount in Rs. Crore)

Particulars	2021-22
Revenue from Transmission Operation	4106.98
Other Income	272.59
Total Income	4379.57

4.2 CAPITAL WORKS – ACHIEVEMENTS for FY-22

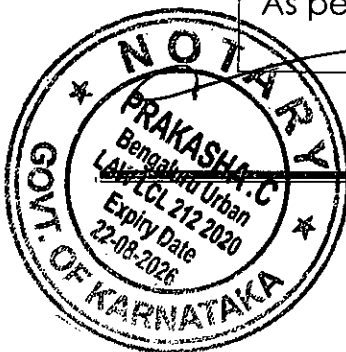
During the year 2021-22 the following works were completed.

Table- 6

Capital Works – FY-22

Particulars	2021-22	
	Target	Achievement
Stations (Nos)	40	41
Lines (Ckms)	941.78	1463.43
Augmentation(Nos)	103	172

Capital Expenditure	2021-22
As per Audited Accounts (Rs. in Crore)	3014.13



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Table- 7

Station Works Completed During FY-22

Particulars	Achievement (No's)	MVA Added
400 kV	0	0
220 kV	10	2300
110 kV	21	360
66 kV	10	127
Total	41	2787

Table- 8

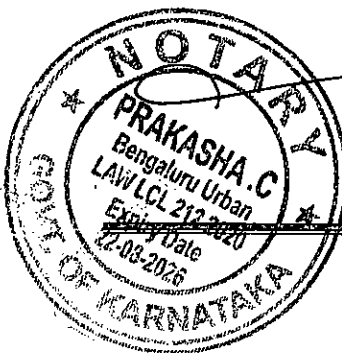
Length of Line constructed during FY-22 (in Ckt. Kms)

Particulars	Achievement Ckt.Kms
400 kV	0.00
220 kV	434.186
110 kV	654.576
66 kV	374.671
Total	1463.43

Table-9

Augmentation works – FY-22

Particulars	Achievement (Nos)
220 kV	7
110 kV	58
66 kV	107
Total	172




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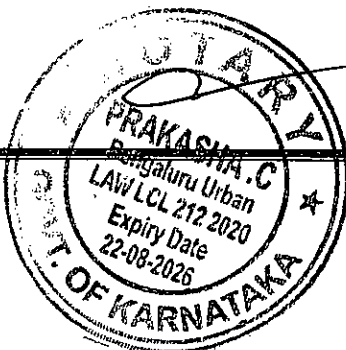
CHAPTER – 5

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 this goal, KPTCL has to make huge capital investment. 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. 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-22 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.



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 2021-22 has constructed sub-stations at voltage levels of 220, 110 and 66 kV to meet the additional loads and to improve the voltage conditions. In addition to this, as many as 172 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 periodical maintenance of the system also. Its efforts are mainly



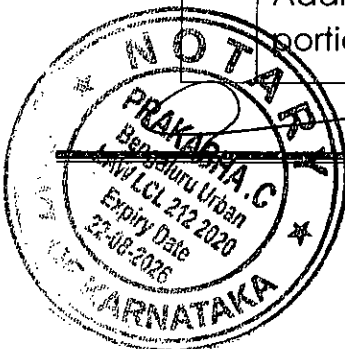
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focused on improving transmission system availability and system reliability. These roles involve costs that are fixed in nature and have to be met by a steady stream of revenue. For this purpose, the actual costs incurred for transmission operation 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.1315.80 Cr. is due from ESCOMs as on 31.10.2022. 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- 10
Summary of KPTCL's Financial Performance for FY-22

(Amount in Rs. Crore)		
Sl No	Particulars	Amount Rs. in Crore
1	Revenue Earned from transmission operation	4106.98
2	Annual Revenue Requirement	4171.01
3	Revenue Deficit (2-1)	64.03
4	Add: Amount disallowed in respect of works which were identified as imprudent for FY 20 and FY 21, which are now prudent. (Rs.1.51Cr.+Rs.3.82 Crs.)	5.33
5	Add: Consequent to G.O. dated 15.11.2022 and corrigendum dated 24.11.2022, the Additional Employee cost towards GoK portion of Pension and Gratuity Expenditure	2734.10



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	a) Towards Arrears from FY 21-22 To FY 22-23 to be collected in three equal instalments ie., (Rs.3,357.27 Cr./3)= 1,117.76 Cr. PLUS b) Towards estimated contribution for FY 2023-24 – Rs. 1616.34 Crs.	
6	Total Revenue Gap	2803.46

It may be seen that, the revenue earned from existing transmission tariff was not sufficient to cover the costs to an extent of **Rs. 64.03 Cr.** for FY22 along with this, following additional costs are included:

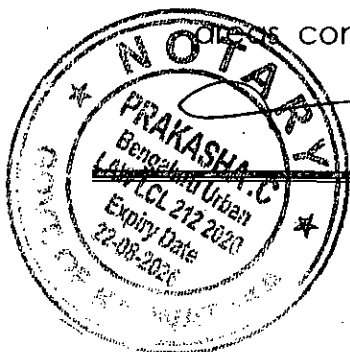
Prudence Check Related Amounts:

Depreciation and interest on loan to an extent of Rs. **5.33** Crs. which was disallowed in respect of imprudent works for FY 20 and FY 21 which are prudent now.

The Hon'ble Commission in its Tariff Order 2021 dated: 09.06.2021 and Tariff Order 2022 dated: 04.04.2022 had disallowed Rs. 1.51 Crore for FY20 and Rs. 3.82 Crore for FY21 respectively towards depreciation and interest on loans in respect of 2Nos. of imprudent works. The current status of the said works are noted below;

a.Badanaguppe: Establishing 2x31.5MVA, 66/11KV Badanaguppe Sub-Station with associated line in Chamarajnagar Taluk

This work was taken up based on the specific request of KIADB and specific direction from the Government of Karnataka with the commitment that Industrial development would take place in the areas connected to Badankuppe Station. At present, 5 Nos. of



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feeders are charged. Further, ESCOMs have been informed to utilize the feeders for optimum loading of the station as the responsibility of taking the 11KV loads lies with CESC.

In view of the above, the Hon'ble Commission is requested to consider the work as prudent and allow the same in the ARR for FY22.

b.Malladihalli: Establishing 2x8MVA, 66/11KV SS Malladihalli with construction of 11.538 Kms 66KV SC line on DC towers from proposed 220KV Station, Benkikere to proposed Station in Hosadurga Taluk.

This work was taken up to reduce the loads on existing 66KV Holalkere and Ramagiri SS. The station was completed and line work was delayed due to severe RoW issues. The 220/66KV Benkikere Station was commissioned on 15.02.2022 and the load was shifted from Honnali to Benkikere on 17.02.2022.

At present, all the eight Nos. of 11KV feeders are charged and station peak recorded is 120Amps (12 MW). Also, the existing two nos. of 8MVA Power Transformers are augmented to 12.5MVA owing to load growth. The subject power transformer No.1 and 2 were commissioned on 16.04.2022 and 11.10.2022 respectively. Hence, the Hon'ble Commission is requested to consider the work as prudent and allow the same in the ARR for FY22.

From the above, it is evident that KPTCL has taken timely action to fulfil the objectives of the projects. As such, KPTCL requests to allow Rs. 5.83 Crores which was disallowed earlier.



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**Additional Employee Cost consequent to Government Order Dated:
15.11.2022.**

The Additional Employee cost to an extent of Rs. 2734.10 Cr. as noted below has been included towards Pension and Gratuity Contribution for FY 24 through tariff as per Government of Karnataka Order dated 15.11.2022 and corrigendum dated 24.11.2022.

Table-11
**Additional Employee Cost towards
Pension and Gratuity Contribution – FY22**

Sl. No.	Particulars	Amount in Rs. Crore
1	Towards Arrears from FY 21-22 To 22-23 to be collected in three equal instalments ie., (Rs.3,357.27 Cr./3)	1,117.76
2	Towards estimated contribution for FY 2023-24	1616.34
Total		2734.10

After inclusion of the above additional costs, total revenue gap works out to Rs. 2803.46 Cr. Hence, the Commission may kindly allow this Total Revenue Gap to be recovered from ESCOMs in FY 2023-24.



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CHAPTER-6

6.0 BREAK UP OF TRANSMISSION EXPENSES FOR FY-22

6.1 Repairs and Maintenance Expenses:

The R & M expenses incurred for the year is Rs. 334.24 Crore. R&M Expenses for FY-21 was Rs. 327.84 Crore(as per published audited accounts of FY-21) which shows an increase of Rs. 6.40 Cr over previous year because of increase in Plant and Machinery Repair cost , Repairs and maintenance of buildings, vehicles and Office Equipments.

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

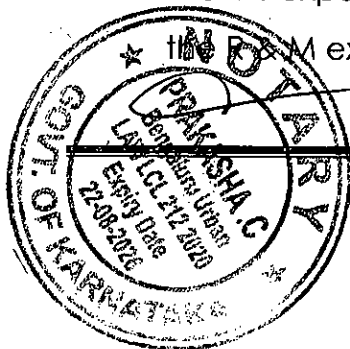
Table- 12

Repairs and Maintenance Expenses for FY-22

(Amount in Rs. Crore)

Sl. No.	Particulars	2021-22
1	Plant and Machinery Transformers	283.30
2	Lines, Cable Network, etc.	31.41
3	Buildings	15.32
4	Civil works	6.21
5	Vehicles	0.48
6	Furniture & Fixtures	0.00
7	Office Equipment	0.66
	TOTAL	337.38
	Less: Expenses shared by ESCOMs	3.14
	Less: R&M Expenses Capitalized	0.02
	TOTAL	334.22

R & M expenses claimed in APR is Rs. 334.22 Crore after deducting the R&M expenses capitalized amount of Rs 0.02 Cr.



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6.3 Administration and General Expenses

The A & G expenses incurred for the year is Rs. 156.50 Crore as per Audited Annual Accounts for FY-22. Details of A&G Expenses are provided in form T-7 of the filing. Net Administration and General Expenses included in ARR is Rs. 135.67 Crore. (Rs. 156.50 Cr. – Rs. 20.83 Cr) where Rs. 20.83 Cr. includes 9.38 Cr. expenses shared by ESCOMs, Rs. 0.03 Cr. KPTCL portion of P&G Trust and Rs. 11.43 Cr capitalised expenses).

6.4 Operation and Maintenance Expenses under MYT Regulations

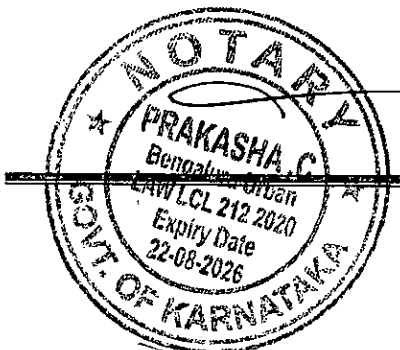
- a) The Operation and Maintenance Expenses which include R&M costs, Employee Costs and A&G expenses are to be calculated as per the norms prescribed by KERC in its order dated 30.05.2019.

Table- 14

O&M Expenses as per Norms for FY-22 as Per KERC Order dated 30.05.2019

Particulars	2021-22
O & M Expenses for lines (in Rs. Thousand/km)	136.98
O & M Expenses for bay (in Rs. Thousand/ bay)	511.22

- b) The details of circuit kilometers of transmission lines and bay details as on 31.03.2022 are given below.



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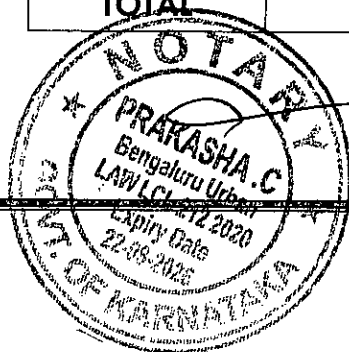
Table-15**Voltage class wise Transmission Lines as on 31.03.2022**

Voltage Class	Transmission lines (in Ckms)
400 kV	3701
220 kV	12623
110 kV	11830
66 kV	12150
Total	40304

Note: The Transmission Lines shown in Table 15 does not include dedicated lines constructed by IPPs.

Table-16**Transmission Capacity among ESCOMs as on 31.03.2022**

Company	2020-21	2021-22	
	Transmission Capacity in MW Existing	Transmission Capacity in MW	
		Added	Total
BESCOM	12066	1488	13554
MESCOM	1955	85	2040
CESC	2762	255	3017
HESCOM	4765	425	5190
GESCOM	2890	170	3060
TOTAL	24438	2423	26861



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Table- 17
Number of Bays as on 31.03.2022

Type	No.
Line Bay	6017
Transformer bay	2921
PT Bay	1838
Capacitor Bank Bay	1242
11 kV Bay	13991
Total	26009

Note: The Number of bays shown in Table 17 does not include 636 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- 18
O&M Expenses calculated as per KERC Norms for FY-22

Particulars	Rate	Qty	O&M Costs (Rs. in Crore)
O&M Expenses for lines (in Rs. Lakhs/km)	1.37	40304	552.16
O&M Expenses for bays (in Rs. Lakhs/ bay)	5.11	26009	1329.06
Total			1881.22

But the Actual O & M Expenses as per Audited Accounts works out to Rs. 1722.81 Cr. (1252.92+334.22+135.67). 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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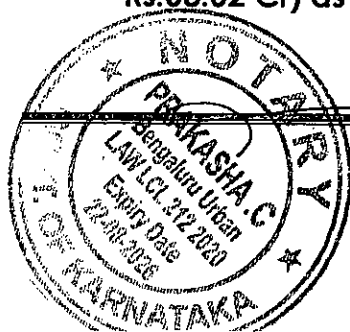
Table- 19
Uncontrollable O & M costs

SL No.	Particulars	Amt in Rs. Cr
1.	Earned leave encashment	92.26
2.	Additional O & M Expenses on account of Terminal Benefits to NDCPS Employees	159.53
3	Additional O & M Expenses on account of P & G contribution	183.04
	TOTAL	434.83


Table- 20
Allowable O & M Expenses for FY-22 as per norms

SL No.	Particulars	Amt in Rs. Cr
1.	O & M Costs as per Norms	1881.22
2.	Un controllable O & M Costs	434.83
	TOTAL	2316.05

Allowable O & M Expenses as per norms is Rs. 2316.05 Cr. However KPTCL requests the Hon'ble Commission to allow O & M expenses of Rs. 1722.81 Cr. (excluding expenses capitalised of Rs.68.62 Cr) as per Actual.



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6.5 Depreciation

The Depreciation as per the Audited Accounts for FY-22 is Rs. 1169.27 Crore. Rs. 1169.27 Cr includes an amount of Rs. 137.00 Cr being depreciation on assets created out of consumer contribution. As Rs. 137.00 Cr is included in Other Income and the Other Income is reduced in ARR. 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. 1169.27 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-22 is Rs. 626.44 Crore. The details of loan availed and interest costs are shown in prescribed form T-9. After considering interest capitalization amount of Rs. 111.33, the interest charges included in ARR is Rs. 515.11 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. 515.11 Cr in ARR.

6.7 Return On Equity:

The Hon'ble Commission in its Order dated 30.05.2019, 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-22 and included in the Annual Revenue Requirement for FY-22 as under.



Karnataka Power Transmission Corporation Ltd

Table- 21
RoE Calculations for FY-22

(Amount Rs. in Crore)

Particulars	Approved	Actual
Paid up share capital	2182.32	2182.32
Share Deposit	0.00	0.00
Reserves & Surplus	2086.25	3576.63
Total Equity	4268.57	5758.95
Approved RoE @15.5% with MAT	843.36	892.64

6.8 Tax Expenses

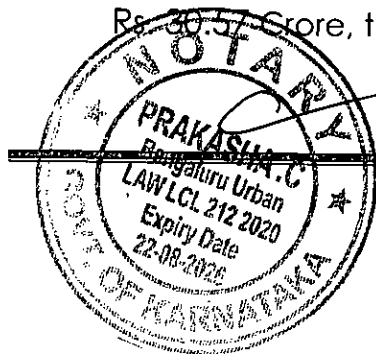
The Hon'ble Commission vide Order dated 30.05.2019 had approved RoE with MAT, KPTCL's tax expenses for FY-22 is Rs.287.33 Crore. The same is claimed in APR for FY-22.

6.9 Other Debits

An amount of Rs.34.76 Crore is claimed in ARR as other expenses the details of which are provided in Format T-11.

6.10 SLDC Charges

The Hon'ble Commission vide Order dated 30.05.2019 approved SLDC charges of Rs. 29.30 Crore and concluded that the entire SLDC charges to be recovered from ESCOMs and long term users of transmission network. For FY-22, the actual SLDC charges amounts to Rs. 30.57 Crore, the details of which are provided below.



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Table- 22
SLDC Charges

(Amount in Rs. Crore)

Particulars	As Per Audited Accounts 2021-22
Repair & Maintenance	0.17
Employee Cost	20.61
A & G Expenses	9.57
Depreciation	0.22
Total	30.57

KPTCL requests the Hon'ble Commission to allow the actual SLDC expenditure of Rs. 30.57 Crore for FY-22 for recovery from ESCOMs.

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



(Signature)
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CHAPTER – 7

7.0 Annual Revenue Requirement of KPTCL

7.1 Annual Revenue Requirement of KPTCL for FY-22 (as per Actuals):

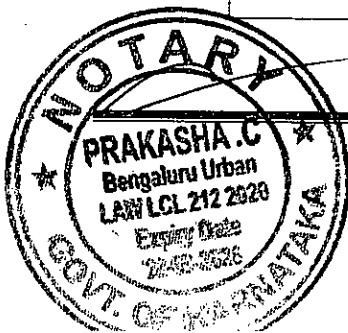
The revised annual revenue requirement of KPTCL for FY-22 based on Audited Accounts for FY-22 are furnished in the following tables:

Table- 23

Annual Revenue Requirement of KPTCL for FY-22

(Amount in Rs. Crore)

Particulars	2021-22
Revenue from Transmission of Power	4106.98
Other income	272.59
Total Revenue	4379.57
Expenditure	
Repairs and Maintenance	334.24
Employee Costs	1310.09
A & G Expenses	147.10
Depreciation	1169.27
Finance costs	574.45
Interest on Working Capital	51.99
RoE @ 15.5%	892.64
Exceptional Items	-178.31
Income tax	287.33
Other debits	34.76
Total Expenditure	4623.56
Less	
Interest and finance charges capitalized	111.34
Other expenses capitalized	68.62
Other income	272.59
Net ARR	4171.01
Revenue Gap (4171.01-4106.98)	64.03



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7.2 Over all Gap for inclusion in Tariff for FY-23

(Amount in Rs. Crore)

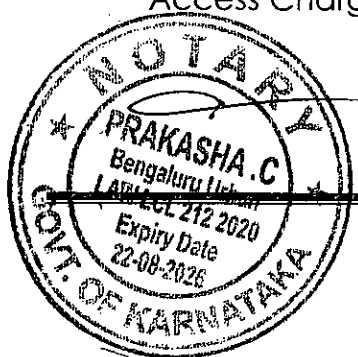
Revenue Gap as per APR FY-22.	64.03
Add: Amount disallowed in respect of works which were identified as imprudent for FY 20 and FY21, which are now prudent. (Rs.1.51Cr.+Rs.3.82 Crs.)	5.33
Add: Consequent to G.O. dated 15.11.2022 and corrigendum dated 24.11.2022, the Additional Employee cost towards GoK portion of Pension and Gratuity Expenditure a) Towards Arrears of FY 21-22 To FY 22-23 to be collected in three equal instalments ie., (Rs.3,357.27 Cr./3)= 1,117.76 Cr. PLUS b) Towards estimated contribution for FY 2023-24 – Rs. 1616.34 Crs.	2734.10
Overall Amount Claimed	2803.46

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-22.

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-22.



7.5 Revenue from Transmission Charges:

As KPTCL is involved only in Transmission Activity with effect from 10th 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.

7.6 Revenue Account:

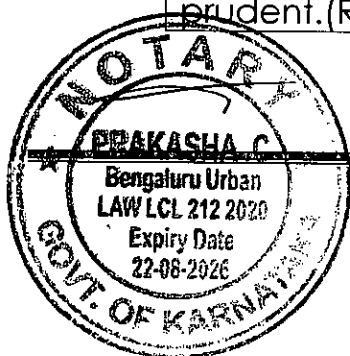
The income from Transmission charges of KPTCL was not enough to cover its costs to an extent of Rs.64.03 Cr. KPTCL requests the Hon'ble Commission to consider the ARR, as per Audited Accounts and allow KPTCL to recover the actual ARR and Additional Employee cost towards Pension and Gratuity Contribution of **Rs. 2734.10 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 22.

Table-24
REVENUE ACCOUNT

(Amount in Rs. Crore)

1. Revenue from Transmission of power	4106.98
2. Net ARR as per Audited Accounts	4171.01
Revenue deficit for FY-22 (2-1)	64.03
Add: Amount disallowed in respect of works which were identified as imprudent for FY 20 and FY 21, which are now prudent. (Rs.1.51 Crs.+Rs.3.82 Crs.)	5.33



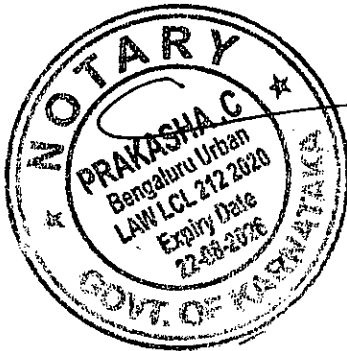
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Karnataka Power Transmission Corporation Ltd
Regulatory Affairs

Add: Consequent to G.O. dated 15.11.2022 and corrigendum dated 24.11.2022, Additional Employee cost towards GoK portion of Pension and Gratuity Expenditure a) Towards Arrears from FY 21-22 To FY 22-23 to be collected in three equal instalments ie., (Rs.3,357.27 Cr./3)= 1,117.76 Cr. PLUS b) Amount towards estimated contribution for FY 2023-24 – Rs. 1616.34 Crs.	2734.10
Overall Amount Claimed	2803.46

KPTCL requests the Hon'ble Commission to approve the overall amount of **Rs. 2803.46 Cr.** to be recovered from ESCOMs along with the already approved ARR for FY-24.

7.7 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.



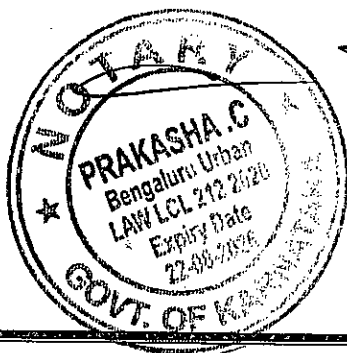
Karnataka Power Transmission Corporation Ltd. FINANCIAL ADVISOR

8.0 PRAYER

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

- a) The Actual ARR of KPTCL for FY-22 based on the Audited Annual Accounts and to allow efficiency gains.
- b) To allow recovery of overall amount of **Rs. 2803.46 Cr.** claimed (Rs. 64.03 Cr.+Rs.5.33 Cr+ Rs. 2734.10 Cr.) from ESCOMs w.e.f 01.04.2023, along with approved transmission charges.
- c) To modify the short term open access charges to be recovered from 01.04.2023, duly considering the revenue gap of FY22.
- d) To allow recovery of actual SLDC charges of **Rs. 30.57 Cr.** and to revise the SLDC charges to be recovered from STOA customers.

For KPTCL,



SWORN TO BEFORE ME

[Signature]
PRAKASHA. C, BA., LL.B.,
ADVOCATE & NOTARY
EWS # 16/2, 1st Cross, 2nd Main,
KHB, Basaveshwara Nagar
BENGALURU - 560 079
30 NOV 2022

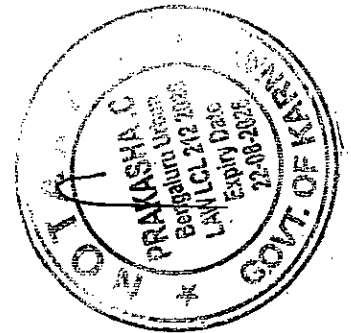
[Signature]
Financial Advisor,
(Regulatory Affairs)
Kaveri Bhavan,
Bangalore.
FINANCIAL ADVISOR
Regulatory Affairs
KPTCL, Kaveri Bhavan
Bengaluru - 560009

Karnataka Power Transmission Corporation Ltd

Karnataka Power Transmission Corporation Limited

Annual Performance Review - 2021-22

FORMS A1 to A5 and T1 to T23



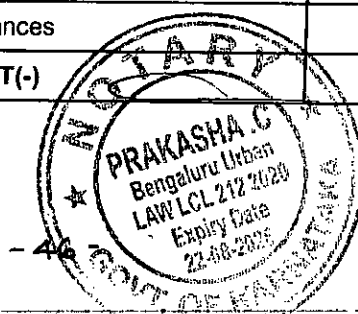
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form A1

PROFIT & LOSS ACCOUNT

Rs. in Cr.

Ref Form- No	PARTICULARS	2020-21 (Actuals)	2021-22 (Actuals)
T1/D1	ENERGY AVAILABLE FOR TRANSMISSION (MU)	71271.69	75671.01
T2/D2	ENERGY SOLD AT INTERFACE POINT (MU)	69105.43	73418.33
	Transmission Loss in MUs	2166	2253
	Transmission Loss in %	3.04	2.98
	Installed Capacity in MW	23063	25486
	INCOME		
T2/D2	REVENUE FROM SALE OF POWER - Transmission Charges	3900.13	4106.98
T3/D3	REV SUBSIDIES & GRANTS *		
T4/D4	OTHER INCOME	169.28	272.59
	TOTAL	4069.41	4379.57
	EXPENDITURE		
T1/D1	POWER PURCHASE		
T5/D5	REPAIRS & MAINTENANCE	327.86	334.24
T6/D6	EMPLOYEES COSTS	1218.39	1310.09
T7/D7	ADM & GENERAL EXPENSES	133.72	147.10
T8/D8	DEPRECIATION AND RELATED DTS	1080.88	1169.75
T9/D9	INTEREST & FINANCE CHARGES	595.72	626.44
	SUB-TOTAL	3356.57	3587.62
T10/D10	LESS: EXPENSES CAPITALISED:		
	-INTEREST & FINANCE CHARGES CAPITALISED	97.25	111.34
	-OTHER EXPENSES CAPITALISED	64.28	69.09
	SUB-TOTAL	161.53	180.43
T11/D11	OTHER DEBITS (incl. Bad debts)	34.73	34.76
T12/D12	EXTRAORDINARY ITEMS / EXCEPTIONAL ITEMS	-527.79	-178.31
	TOTAL EXPENDITURE	2701.98	3263.64
	ROE		
	PROFIT (LOSS) BEFORE TAX	1367.43	1115.92
	PROVISION FOR TAXATION	407.98	287.33
	PROFIT (LOSS) AFTER TAX	959.45	828.60
T13/D13	NET PRIOR PERIOD CREDITS /(Charges)		
	Net Movement in Regulatory Deferral Balances		
	SURPLUS/DEFICIT(-)	959.45	828.60

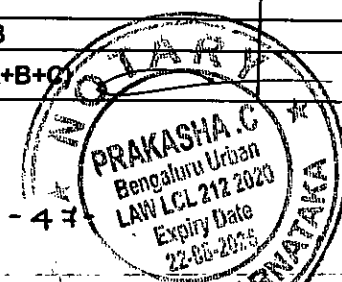


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Bengaluru - 560009

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**BALANCE SHEET AS AT THE END OF THE YEAR**

Rs. in Cr.

Ref Form- No	PARTICULARS	2020-21 (Actuals)	2021-22 (Actuals)
	A. Equity and Liability:		
	Shareholders Funds	2182.32	2182.32
	Reserves & Surplus	3576.63	4441.59
T14/D14	Contributions, Grants & Subsidies towards Cost of Capital Assets	1293.65	1510.06
	Total A	7052.61	8133.98
	B. Non-Current Liabilities		
T9/D9	Long Term Borrowings	6862.76	7631.72
	Deffered Tax Liability	1152.50	1241.09
	Other non Current Liabilities	2096.26	1990.71
	Long Term Provisions	321.41	330.08
	Total Non-Current Liabilities B	10432.92	11193.60
	C. Current Liabilities		
T9/D9	Short term Borrowings	1405.00	1950.74
	Trade Paybles	102.25	9.97
	Other Current Liabilities	2256.95	2656.78
	Short Term Provisions	563.74	599.71
	Total Current Liabilities C	4327.95	5217.20
	GRAND TOTAL (A+B+C+D)	21813.48	24544.78
	APPLICATION OF FUNDS:		
	ASSETS		
	A. FIXED ASSETS:		
T15/D15	a) Tangible assets - Gross Block	24636.85	27696.49
T8/D8	b) LESS:Accumulated Depreciation	9513.79	10606.51
T16/D16	c) Tangible Assets - Net Fixed Assets	15123.06	17089.98
	Intangible Assets	0.59	0.34
T17/D17	d) Capital Work-in-Progress	3426.52	3689.97
	e) Long Term Loans & Advances		
	f) Other Non-Current Assets	1910.65	1575.56
	TOTAL A (a to i)	20460.82	22355.85
	B. CURRENT ASSETS		
	a) Inventories	84.88	73.50
	b) Trade Receivables	698.27	1493.44
	c) Cash & Cash Equivalents	262.48	335.73
	d) Short Term Loans & Advances	24.53	5.21
	e) Other Current Assets	282.50	281.06
	TOTAL OF B	1352.66	2188.93
	GRAND TOTAL (A+B+C)	21813.47	24544.79

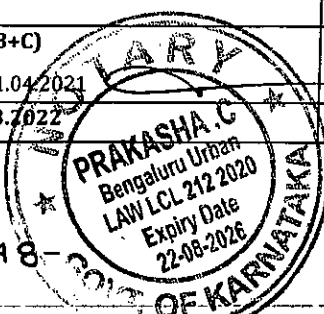


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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**STATEMENT OF CASH FLOW STATEMENT FOR THE YEAR**

(Amount in INR)

Particulars	For the year ended 31st March, 2022	For the year ended 31st March, 2021
I CASH FLOW FROM OPERATING ACTIVITIES		
Profit/(Loss) before Tax	1115.93	1367.44
Adjustment for Deferral Regulatory Income		
Adjustments for:		
i Depreciation and Amortization Expenses	1169.27	1080.39
ii Withdrawal of Excess provision made during Previous years	-5.22	-3.34
iii Depreciation on Assets created out of Consumer Contribution	-137.00	-92.41
iv Provision for Stock shortage	0.09	-0.26
v Profit on sale of stores	-1.58	-0.03
vi Sale of scrap	0.00	0.00
vii Profit on sale of released Assets	-25.46	-6.63
viii Sundry Receivables Write off & Other Write off & exceptional items	-174.87	-525.17
ix Interest income	-9.31	-12.00
x Finance Costs	515.11	498.46
Operating Profit/(Loss) before working capital changes	2446.96	2306.45
Change in Operating Assets and Liabilities		
i (Increase)/Decrease in trade receivables	-795.16	363.48
ii (Increase)/Decrease in inventories	11.29	0.35
iii (Increase)/Decrease in current assets	203.35	512.66
iv (Increase)/Decrease in current liabilities & provisions	275.36	-594.73
v (Increase)/Decrease in Non-current assets	335.09	4.80
vi Increase/(Decrease) in Non-current liabilities	202.78	112.22
vii Increase/(Decrease) in Non-current Financial liabilities	-96.95	-306.61
viii (Increase)/ Decrease in Loans	19.32	-4.63
Cash Generated from Operations	2602.04	2393.99
Add/(Less): Income Tax Paid (Net of Refund)	-125.35	-197.76
Net Cash Inflow From Operating Activities (A)	2476.68	2196.23
II CASH FLOW FROM INVESTING ACTIVITIES		
i Changes in PPE & Capital Work in Progress	-3288.06	-2446.35
ii Net increase/decrease in Bank Deposit with maturities exceeding 3 months	-17.41	-48.11
iii Interest Income	9.31	12.00
Net Cash Inflow From Investing Activities (B)	-3296.16	-2482.46
III CASH FLOW FROM FINANCING ACTIVITIES		
i Contribution & Grants towards cost of capital assets	187.05	124.01
ii Changes in Secured Loans	769.56	852.59
iii Changes in Unsecured Loans	545.14	-85.61
iv Finance and other Charges	-626.44	-595.71
Net Cash Inflow From Financing Activities (C)	875.31	295.29
Net Change in Cash and Cash equivalents (A+B+C)	55.83	9.06
Add: Opening Cash and Cash Equivalents as on 01.04.2021	75.69	66.64
Closing Cash and Cash Equivalents as on 31.03.2022	131.53	75.69



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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Form-A4
Aggregate Revenue Requirement

Sl. No.	Item	Ref Form No	2020-21 (Actuals)	2021-22 (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	3,729.28
4.	Other Income	A-1	169.28	272.59
5.	Aggregate Revenue (2+3-4)		3,428.25	3,456.69
6.	Net Prior Period Credits			
7.	Annual Revenue Requirement (5)-(6)		3,428.25	3,456.69



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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Revenue Requirement - Capital Base

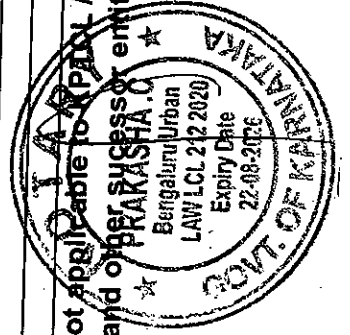
Form A5

SI No	Data Required	Ref Form No.	Rs. in Cr.	
			2020-21 (Actuals)	2021-22 (Actuals)
1	(a) Original cost of fixed assets (at the beginning of the year)			
	(b) Cost of intangible assets	D15		
	(c) The original cost of work in progress			
	(d) The amount of investment compulsorily made under para-IV of the Sixth Schedule	D17		
	(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)			
	Sum of above			
	Less			
2	i) The amounts written off or set aside on account of depreciation of fixed assets.	D8		
	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.			
	Sum of above			

N/A

N/A

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

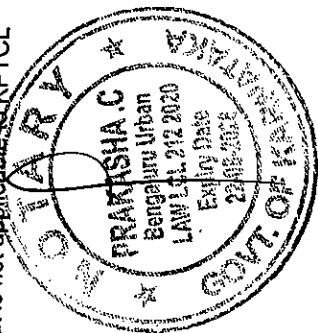


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FORM - T1
(Rs. In Crore)

Purchased Power-Current Year -FY2020-21 (Actual)[illegible]Purchased Power-Current Year -FY2021-22 (Actual)[illegible]

Note : This format is not applicable to KPTCL



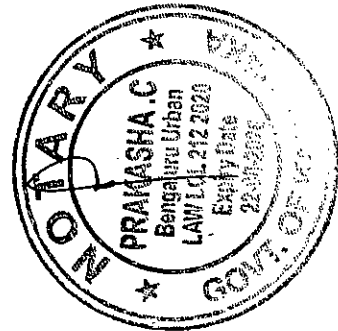
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Revenue - Transmission Charges

Form T2

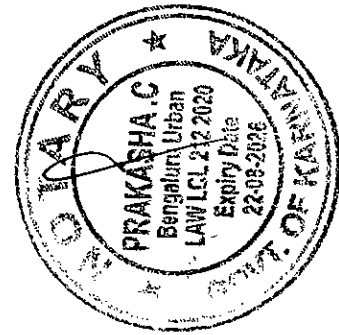
Category	Consumer Category Particulars	2020-21(Actuals)				2021-22(Actuals)				(Rs. In Crore)
		No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Realn. (Rs. / MW/ Month)	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Realn. (Rs. / MW/ Month)	
1	2	3	4	5	6	7	8	9	10	
	Revenue from sale of power to ESCOMs									
	BESCOM		11708	1,906.82	135720		13195.5	2,032.46	128356	
	MESCOM		1715	279.30	135713		1800	289.79	134162	
	CESC		2505	420.95	140035		2760	459.60	138769	
	HESCOM		4335	716.03	137644		4760	723.34	126635	
	GESCOM		2800	453.88	135083		2970	439.47	123309	
	Hukkeri Co-Op Society									
	Sub-Total		23063	3776.96	1,36,473		25486	3944.67	1,28,984	
	Inter State Sale of Power									
	MTOA									
	ISTS Charges									
	Other Income			1.56				38.44		
	Total Interstate Sale of Power			99.98				98.24		
	Wheeling Charges & open access charges			101.53				136.69		
	Misc.			21.64				25.62		
	Withdrawal of Revenue Demand									
	Sub-Total - Misc. Rev			21.64				25.62		
	Grand Total		23063	3900.13			25486	4106.98		



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Form T3
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Revenue Subsidies and Grants

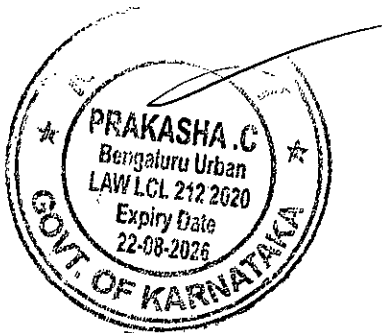
Sl No	Particulars	Rs. In Crore	
		2020-21 (Projection)	2021-22 (Projection)
1	RE Subsidies		
2	Grants for Research and Development Expenses		
3	Grant for Survey and Investigation	NIL	
4	Others Subsidy Hukkeri Society		NIL
	Grand Total		




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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**Non-Tariff Income (Other Income)**

Sl No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)
1	Interest on staff loans and advances		
2	Income from Investments:	18.25	9.52
a	Interest on securities		
b	Interest on Bank fixed deposits	12.00	9.31
c	Income on other investments		
d	Interest on loans/advances to suppliers/ Contractors	0.02	0.00
e	Interest from Banks		
f	Interest on loans to Societies/BDA	6.23	0.21
3	Income from Trading:	6.71	27.51
a	Profit on sale, hire etc of apparatus	6.68	25.93
b	Hire charges from Contractotrs		
c	Profit on sale of stores	0.03	1.58
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
a	Rental from Staff Quarters	9.52	8.67
b	Rental from others	15.22	15.40
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
i	Misc. recoveries	23.83	69.27
j	Excess provision in earlier years no longer required	3.34	5.22
	Grand Total	169.28	272.59

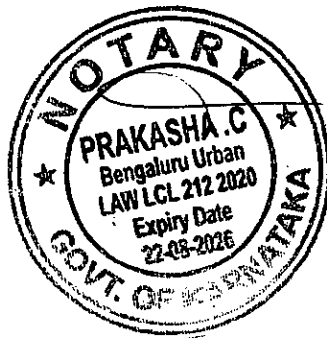




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Form T5

KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Repairs and Maintenance Costs


Sl No	Particulars	2020-21 (Actuals)			2021-22(Actuals)		
		Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total
	Repairs and Maintenance to:						
1	Plant and Machinery		260.29	260.29		269.35	269.35
2	Transformers: (a) repairs and maintenance made departmentally (b) repairs and maintenance by private agencies		13.00	13.00		13.95	13.95
3	Buildings		12.51	12.51		15.32	15.32
4	Other civil works		6.34	6.34		6.21	6.21
5	Hydraulic works			-			-
6	Lines, Cable Network, etc		38.39	38.39		31.41	31.41
				-			-
7	Vehicles		0.46	0.46		0.48	0.48
8	Furniture & Fixtures		0.01	0.01		0.00	0.00
9	Office Equipments		0.47	0.47		0.66	0.66
				-			-
	Total		331.47	331.47		337.38	337.38
11	Others - Expenses shared by ESCOMs		3.61	3.61		3.14	3.14
	Grand Total		327.86	327.86		334.24	334.24




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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Employee Costs

SI No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)
1	Basic Pay	641.80	630.10
2	Double Wages	10.99	11.27
3	Dearness Allowance	72.06	136.49
4	Other Allowances	102.97	104.90
5	Bonus	7.10	6.91
6	Sub-Total (1 to 5)	834.92	889.67
7	Medical Expenses	6.45	8.28
8	Leave travel Assistance	-	0.00
9	Earned Leave Encashment	55.12	92.26
10	Payment under Workmen's Compensation Act	0.24	0.17
11	Payment to Helpers	0.14	0.04
12	Total Other staff costs (7 to .10)	61.94	100.75
13	Staff Welfare expenses	0.32	0.36
14	Fees for Trailing - Courses held by Outsiders	0.11	0.31
15	Training Expenses for Trainees	0.45	1.04
16	Terminal Benefits	343.49	344.70
17	Sub-total (12 to 15)	344.37	346.40
18	Grand Total	1241.23	1336.83
19	Less Expenses Shared by ESCOMs	22.76	26.46
20	Less: KPTCL Portion of P&G Trust	0.08	0.27
21	Grand Total	1218.39	1310.09

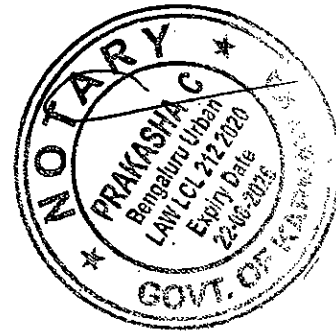

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Employees Costs - Additional information

Form T6 A

Sl No	Category of employee	2020-21 (Actuals)			2021-22 (Actuals)		
		Sanct- ioned	Working	Cost Rs in Crores	Sanct- ioned	Working	Cost Rs in Crores
1	Board of directors	5	5	1.47	4	4	1.51
2	Chief Engineer & equivalents	16	16	11.46	23	22	11.52
3	Superintending Engineers & equivalents	57	57	17.92	57	48	18.01
4	Executive Engineers & equivalents	211	211	35.93	226	220	36.12
5	Asst Executive Engineers & equivalents	978	978	234.96	1012	898	236.19
6	Asst Engineers & equivalents	1499	1499	102.76	1520	1218	103.30
7	All other staff	13668	9881	555.48	13485	7100	558.39
8	Terminal Benefits			256.79			344.70
9	Others			0.44			0.36
	Total	16434	12647	1217.21	16327	9510	1310.09
	Grand Total	16434	12647	1217.21	16327	9510	1310.09



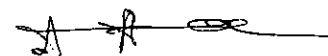
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Administration and General Charges

Rs. in Cr.

Sl No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)
1	Rents, Rates and Taxes	12.54	11.56
2	Security arrangements	10.19	11.26
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
5	V-sat, Internet and related charges	6.78	7.38
6	Legal charges	3.10	2.57
7	Audit Fee	0.24	0.32
8	Consultancy charges	0.30	0.26
9	Technical Fee	0.09	0.01
10	Other professional charges	20.63	21.98
11	Travelling expenses, Conveyance and vehicle hire charges	33.82	37.89
12	Conveyance and vehicle hire charges		
12	Sub-total	91.14	96.36
13	Other expenses		
a	Fees & subscription & License Fees	1.64	5.53
b	Books & periodicals	0.05	0.06
c	Computer Stationary	0.64	0.78
d	Printing & Stationery	2.06	2.37
e	Advertisements	3.85	4.16
f	Contribution/Donations	0.06	0.08
g	Electricity charges	23.67	25.98
h	Water charges	0.73	0.67
i	Entertainment	0.00	0.00
j	Misc expenditure	17.39	18.96
	Total other expenses	50.10	58.57
14	Freight & Other purchase related expenses	1.20	1.57
	GRAND TOTAL	142.44	156.50
	Less: Expenses shared by ESCOMs	8.70	9.38
	KPTCL Portion of P&G Trust	0.01	0.03
	Grand Total	133.72	147.10

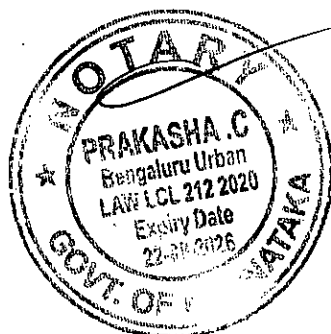


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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

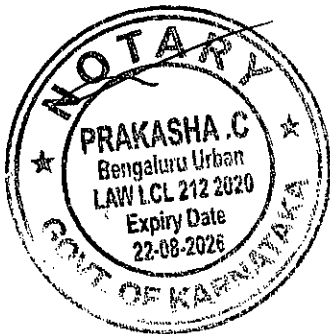
Form T8

Rs. In Crore

Sl No	Particulars of assets	2020-21 (Actuals)			2021-22 (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
1.	Land and rights						
1a	Amortisation of Lease hold Assets	0.63	0.00	0.63	0.68		1.30
2.	Building and structures	25.01	0.05	256.86	27.49	0.02	284.37
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	520.24	-67.89	4,938.70	568.98	-69.18	5,438.50
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	4,203.85	548.03	-7.65	4,744.24
6.	Underground cables and devices			-			-
7.	Service lines			-			-
8.	Service lines			-			-
9.	Misc equipment			-			-
10.	Other items						
a	Hydraulic Works	6.56	0.00	43.86	7.57	0.00	51.43
b	Other Civil Works	10.53	0.19	46.17	12.76	0.00	58.93
c	Vehicles	2.28	-0.17	9.45	2.46	-0.11	11.81
d	Furniture Fixtures	1.49	-0.17	12.52	1.56	-0.06	14.01
e	Office Equipments	0.22	-0.27	1.74	0.23	-0.06	1.91

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Loans and Debentures and Interest charges

Institution		Financial Year 2020-21					Financial Year 2021-22					Rs. In Crore	
		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
1 Bank Loans													
2 Loans from REC-APDRP		0.00		0.00			0.00	0.00		0.00			0.00
3 Loans from Govt. - Un-Secured		1.79		1.79	0.59	0.2	1.20	1.20		1.20	0.00	0.12	1.20
4 Loans from Govt. - Secured		1.79		1.79	0.59	0.20	1.20	1.20		1.20		0.12	1.20
5 State Bank of Mysore		448.57		448.57	85.72	31.42	382.85	382.85		382.85	67.88	23.04	294.97
6 State Bank of India		1,000.20	540	1,540.20	87.8	78.59	1,452.40	1,452.40	500.00	1,140.00	87.84	100.28	1,364.56
7 Punjab National Bank		670.00		670.00	30.00	52.11	640.00	640.00		640.00	30.02	85.42	1,109.98
8 REC Ltd.		(0.00)		(0.00)			(0.00)	(0.00)		(0.00)			(0.00)
9 Union Bank of India			692.00	692.00			692.00	692.00	58.00	750.00	0.01	54.32	749.99
10 PFC		0.00		0.00			0.00	0.00		0.00			0.00
11 Bank of Baroda		250.00		250.00		20.30	250.00	250.00	500	750.00	0.03	28.85	749.97
12 Vijaya Bank		656.76		656.76	139.93	48.51	516.83	516.83		516.83	138.81	33.72	378.01
13 Oriental Bank of Commerce													
14 Bank of India		572.50		572.50	67.50	43.64	505.00	505.00		505.00	85.06	34.28	419.94
15 Bank of Rajasthan													
16 Indian Bank		80.00	350	430.00	30.00	17.21	400.00	400.00		400.00	20.00	28.45	380.00
17 Loan from UCO BANK		180.00		180.00	20	13.92	160.00	160.00	500.00	660.00	20.00	13.81	640.00
18 Jammu & Kashmir Bank		550.00		550.00		42.84	550.00	550.00		550.00	55.05	38.12	494.95
19 Loan from Punjab & Sindh Bank		320.00		320.00	60.00	24.32	260.00	260.00		260.00	60.03	17.59	199.97
20 Loan from Canara Bank		1,880.32		1,880.32	132.82	146.52	1,747.50	1,747.50		1,747.50	145.10	124.14	1,602.40
21 Bank of Maharashtra Corporation Bank													
22 Total Loans Secured		90.64		90.64	35.65	24.32	54.99	54.99	1558.00	9149.57	20	3.22	34.99
23 Loans from Others - Un-Secured		6698.99	1582.00	8280.99	689.42	543.69	7591.57	7591.57			729.83	585.05	8419.74
24 Private Placement of Bonds													
25 Public Bonds													
26 Loans from REC-Rationalised		(0.00)		(0.00)			(0.00)	(0.00)		(0.00)			(0.00)
27 Commercial Banks (JP set loans)													
28 Commercial Banks (SPA)		(0.00)		(0.00)			(0.00)	(0.00)		(0.00)			(0.00)
29 Total Loans Un Secured		(0.00)		(0.00)			(0.00)	(0.00)		(0.00)			(0.00)
30 Supplier Lines of Credit													
31 Bill payable (JSL)							(0.00)	(0.00)		(0.00)			(0.00)
32 Bill payable (KECIL)													
33 Bill payable (RPGT)													
34 Other Financial Institutions													
35 Others Finance Charges													
36 Interest accrued and due													
37 Total Suppliers Line of Credit													
7 TOTAL		6,700.78	1,582.00	8,282.78	690.01	543.89	7,592.78	7,592.78	1,558.00	9,150.76	729.83	585.17	8,420.93
Others													
Borrowing for W Cap													
Int. on PP													
Others													
Lease/Sale & Leaseback of assets													
IDBI (Lease finance)													
IL&FS (Lease finance)													
Short term loans/ borrowings for working capital													
PFC													
REC													
Commercial Banks		800.00	800	1,600.00	925	51.17	675.00	675.00		2,899.37	1,727.96	51.99	1,161.41
TOTAL Others		800.00	800.00	1,600.00	925.00	51.17	675.00	675.00	2,214.37	2,899.37	1,727.96	51.99	1,161.41
TOTAL loan of KPTCL		7,500.78	2,382.00	9,882.78	1,615.01	595.05	8,267.76	8,267.76	3,772.37	12,040.13	2,457.78	617.16	9,582.35

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FORM - T 9A

Sale and Lease Back of Assets - Ensuing Year 2020-21 (Actual)

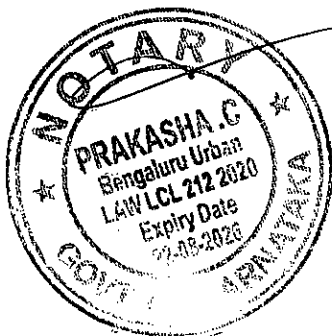
Sale and Lease Back of Assets - Ensuing Year 2020-21 (Actual)								
							(Rs. in Crores)	
Sl. No.	Particulars of Assets	Year of Acquisition	Original Cost of the Asset	Year of Sale	Book value at the time of the sale	Period of Lease (Years)	Annual Lease payments	Remarks
	Transformers accessories circuit breakers				NIL			
	Total							

Sale and Lease Back of Assets - Ensuing Year 2021-22 (Actual)

(Rs. in Crores)								
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			
	Total							

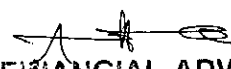
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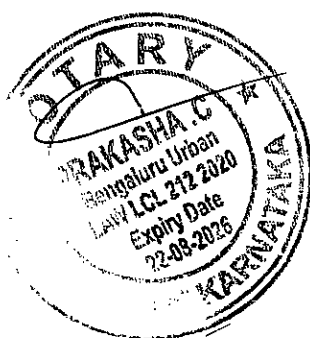
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**Form T10****Details of Expenses Capitalised**

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

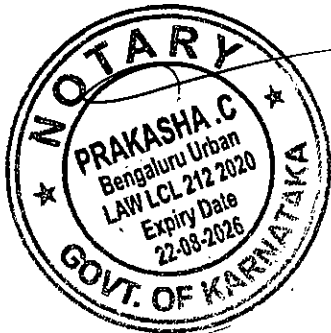

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**FORM - T11****Other Debits**

Rs. in Cr.

Sl No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)
1	Material Cost Variance		
2	Research & Development Expenses		
3	Cost of Trading & Manufacturing		
4	Bad & Doubtful Debts provided	11.07	8.88
5	Miscellaneous Losses & write off	2.61	3.44
6	Intangible assets written off		
7	Sundry Expenses written off		
8	Others	21.04	22.44
9			
10			
	Grand Total	34.73	34.76

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form- T12

Extraordinary items / Exceptional Items

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

Rs. in Cr.



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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

FORM - T13

Net Prior Period Credit/(Charges)

Rs. in Cr.

SI No	Particulars	2020-21 (Actuals)	2021-22 (Actuals)
	Income relating to previous years:		
1	Interest income for prior periods		
2	Income Tax prior 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		
	Total	-	-
	Expenditure relating to previous years		
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		
	Total	-	-
	Net prior period (Credit)/Charges	-	-

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

FORM - T14

Contributions, Grants and Subsidies towards cost of Capital Assets

Sl No	Particulars	2020-21(Actuals)			2021-22(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
1	Consumers Contribution	1199.69	93.97	1293.65	1293.65	216.41	1510.06
2	Subsidies towards cost of Capital Assets*						
3	Grants towards cost of Capital Assets*						
4	Others						
	Grand Total	1,199.69	93.97	1,293.65	1,293.65	216.41	1,510.06

Rs. in Cr.



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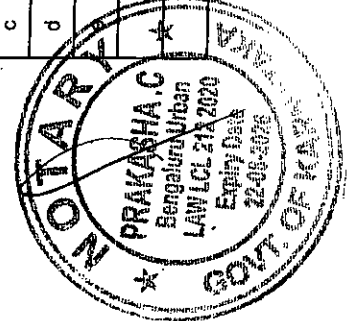
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

FORM - T15

GROSS FIXED ASSETS

Sl No	Particulars of assets	2020-21(Actuals)			2021-22(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
1	Land and rights	74.79	5.22	468.20	82.23	-0.96	549.47
2	Building and structures	88.55	2.18	841.49	87.93	-2.92	926.49
3	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	1257.69	-121.44	11,781.07	1281.01	2.61	13,064.69
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	11,031.99	1522.65	-4.21	12,550.44
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	139.93	22.72	-0.21	162.45
b	Other Civil Works	57.64	0.73	275.84	61.69	-10.26	327.28
c	Vehicles	0.00	-0.19	27.17	21.86	-0.12	48.71
d	Furniture Fixtures	4.11	-0.18	27.71	2.25	-0.55	29.41
	Office Equipments	0.29	-0.43	4.08	0.57	-0.15	4.50
	Intangible assets			-			-
	Grand Total	2,268.08	(138.83)	24,597.49	3,082.71	(16.76)	27,663.44

Rs. in Cr.



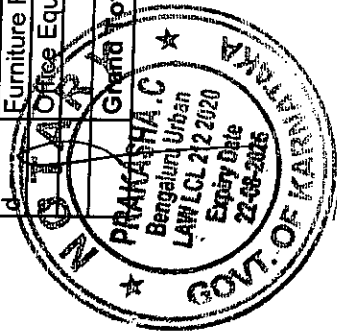
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NET FIXED ASSETS

Form- T16

Sl No	Particulars of assets	2020-21(Actuals)			2021-22(Actuals)		
		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	457.00	83.19	0.68	539.51
2.	Building and structures	86.37	24.96	554.10	90.84	27.47	617.47
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	1379.14	588.14	6,490.75	1278.40	638.16	7,130.99
4.	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA.	0.00	0.00	-	0.00	0.00	-
5.	Towers, Poles, fixture, overhead conductors and devices	790.05	511.36	6,601.62	1526.86	555.68	7,572.80
6.	Underground cables and devices			-			-
7.	Service lines			-			-
8.	Metering equipment			-			-
9.	Misc equipment			-			-
10.	Other items			-			-
a	Hydraulic Works	19.68	6.56	88.86	22.93	7.58	104.22
b	Other Civil Works	56.91	10.35	201.80	71.95	12.76	260.99
c	Vehicles	0.19	2.45	17.76	21.77	2.57	36.96
d	Furniture Fixtures	4.29	1.66	14.68	2.80	1.62	15.86
	Office Equipments	0.72	0.49	2.67	0.72	0.29	3.11
	Grand Total	2,406.91	1,146.60	14,429.25	3,099.47	1,246.79	16,281.92



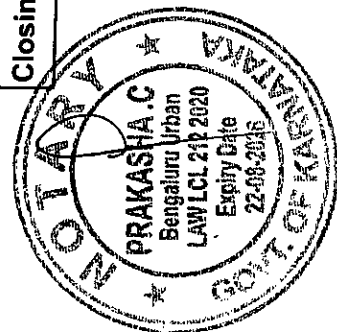
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Work-in-Progress Form - T17

Rs. in Cr.

Description	2020-21 (Actuals)	2021-22 (Actuals)
Opening balance	3,093.88	3,426.52
Add:		
i) Capital expenditure		
ii) Interest & Finance charges capitalised	2049.79	2833.70
iii) Other expenses capitalised	97.25	111.34
	64.28	69.09
Total capital expenditure for the year	2211.32	3014.13
Less: Expenditure Capitalised (Transferred to Form-T15/D15)	2268.08	3082.71
Other Adjustments	389.40	332.03
Closing Balance	3,426.52	3,689.97



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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T18

Receivables against Sale of Power
DEMAND, COLLECTION AND BALANCE OF REVENUE FOR THE YEAR 2021-22

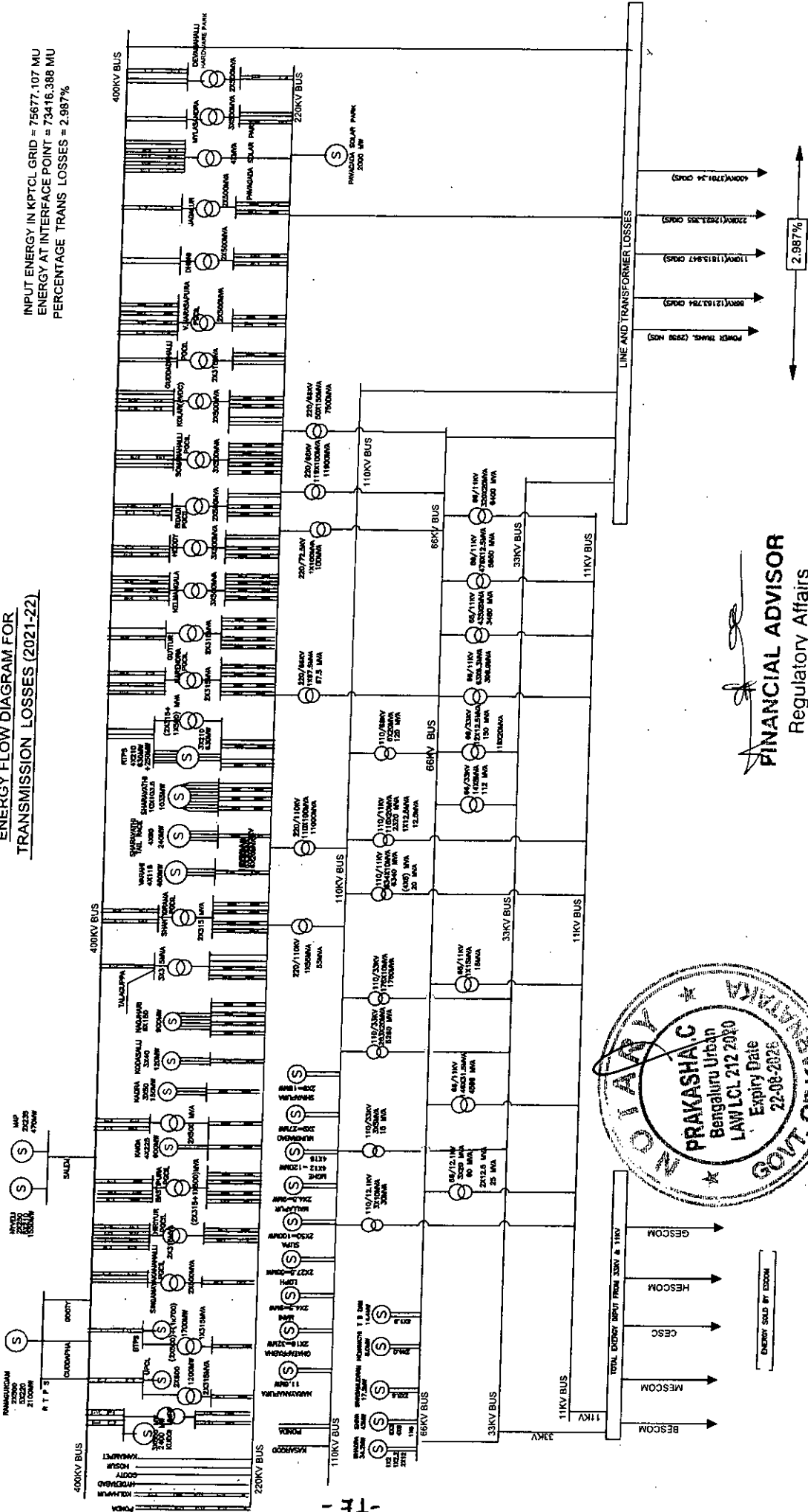
SL NO	NAME OF Company	OPENING BALANCE		FOR THE YEAR								CLOSING BALANCE	
		PRINCIPAL	INTEREST	DEMAND		COLLECTION		COLLECTION %		PRINCIPAL	INTEREST	PRINCIPAL	INTEREST
				PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST				
1	BESCOM	626.33		2032.46		1467.68		72%		1191.11			
2	MESCOM	14.62		289.79		282.38		97%		22.02			
3	CESC	41.02		459.60		397.17		86%		103.45			
4	HESCOM	0.00		723.34		710.77		98%		12.57			
5	GESCOM	9.91		439.47		330.30		75%		119.08			
	Grand Total	691.88		3944.67		3188.31		81%		1448.24			



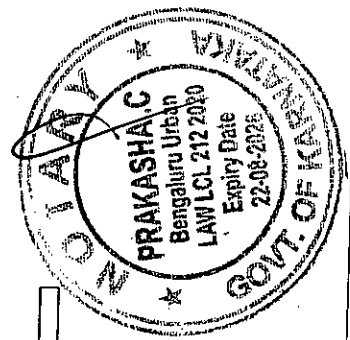
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ENERGY FLOW DIAGRAM FOR
TRANSMISSION LOSSES (2021-22)

INPUT ENERGY IN KPTCL GRID = 75677.107 MU
ENERGY AT INTERFACE POINT = 73416.388 MU
PERCENTAGE TRANS LOSSES = 2.987%



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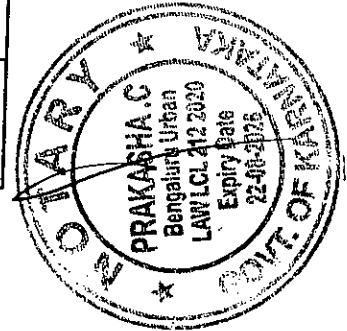


KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T20

Existing Tariffs and Proposed Tariffs

Sl. No	Type of Installation	Proposed Tariffs FY 2020-21		Proposed Tariffs FY2021-22	
		Transmission Charges / MW / Month	Energy Charges	Transmission Charges / MW / Month	Energy Charges
1	BESCOM	Not Applicable			
2	MESCOM				
3	CESC				
4	HESCOM				
5	GESCOM				
	GRAND TOTAL				



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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T21

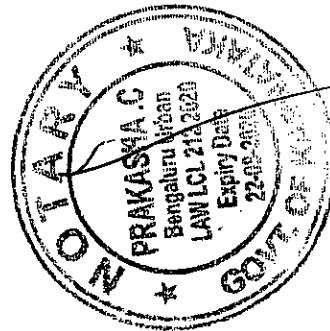
Existing Revenues and Proposed Revenues

Form-T21

Existing Revenues and Proposed Revenues													
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.		
1	BESCOM												
2	MESCOM												
3	HESCOM												
4	GESCOM												
5	Hukerii Rural Electrical Cooperative Society												
	GRAND TOTAL	-				-							

Not Applicable

Not Applicable



FINANCIAL ADVISOR
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KPTCL, Kaveri Bhavan
Bengaluru - 560009

Embedded cost of service of supply of electricity

(Rs. in Crs)

Not Applicable

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