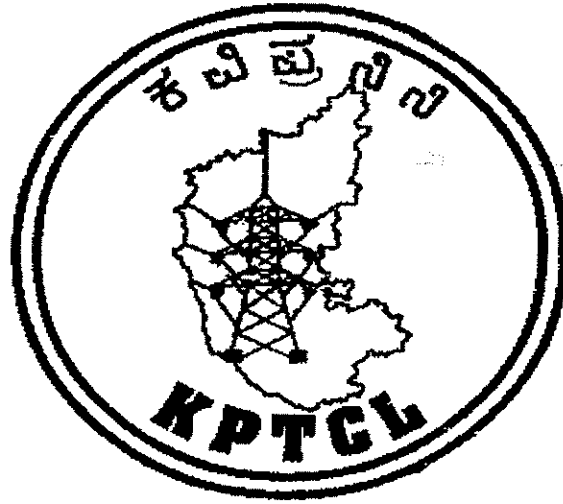
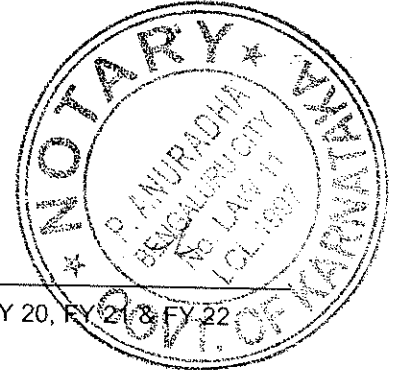


KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

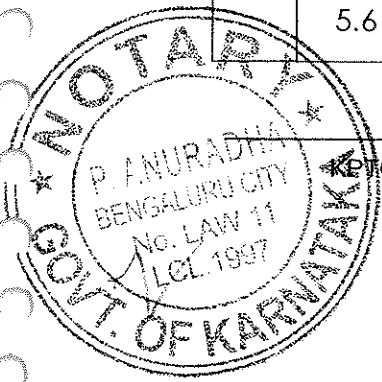


ERC, ARR and Transmission Tariff Application of KPTCL for FY20, FY21 and FY22 under MYT Principles



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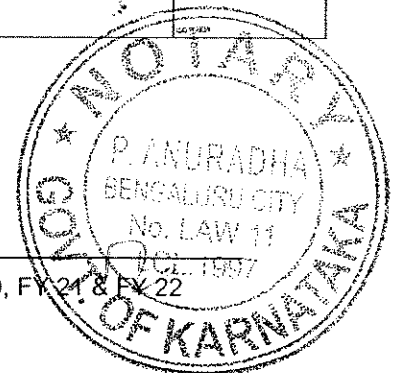
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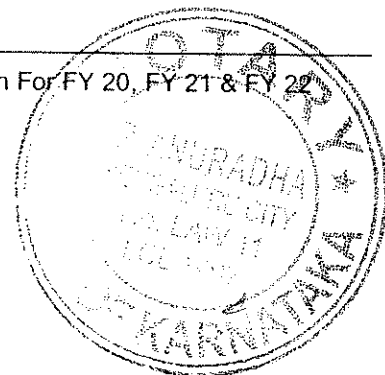
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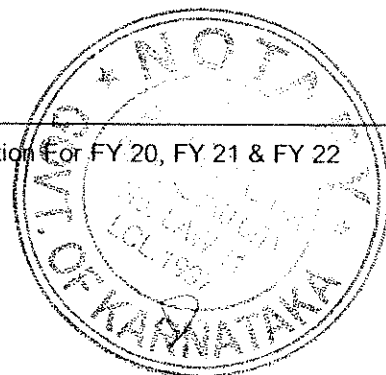
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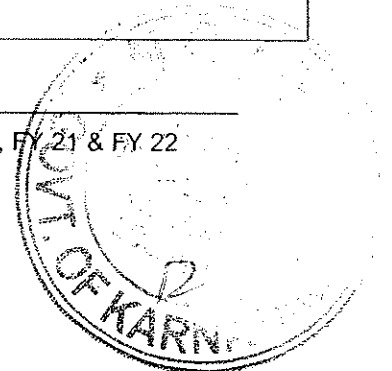
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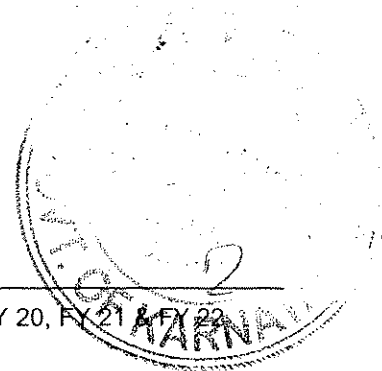
ABBREVIATIONS

ACSR	Aluminum Conductor Steel Reinforced
A&G	Administrative & General Expenses
APDP	Accelerated Power Development & Reform programme
ASCI	Administrative Staff College of India
BESCOM	Bangalore Electricity Supply Company Limited
C&AG	Comptroller & Auditor General
CEA	Central Electricity Authority
CEE	Chief Engineer Electricity
CERC	Central Electricity Regulatory Commission
CESC	Chamundeshwari Electricity Supply Corporation
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
GESCOM	Gulbarga Electricity Supply Company Limited
GFA	Gross Fixed Assets
GoK	Government of Karnataka
GOI	Government of India
HESCOM	Hubli Electricity Supply Company Limited
Hrs	Hours
HT	High Tension
HVDC	High Voltage Direct Current
IEGC	Indian Electricity Grid Code
IT	Income Tax
KEB	Karnataka Electricity Board
KERC	Karnataka Electricity Regulatory Commission
KPCL	Karnataka Power Corporation Limited
KPTCL	Karnataka Power Transmission Corporation Limited
KV	Kilo Volt



KPTCL – ARR and Transmission Tariff Application for FY 20, FY 21 & FY 22 under MYT Principles

KVA	Kilo Volt Ampere
KW	Kilo Watt
KWh	Kilo watt Hour
LDC	Load Dispatch Centre
LT	Low Tension
MESCOM	Mangalore Electricity Supply Company Limited
MoP	Ministry of Power
RT	Relay testing
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
REC	Rural Electrification Corporation
RE	Revised Estimate
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
T&P	Tools and Plants
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 61, 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 amendments for the purpose of Annual Revenue Requirement and Expected Revenue from Charges of the Transmission Licensee-KPTCL for FY20, FY21, FY22 and Transmission Tariff Application for the same period.

AND

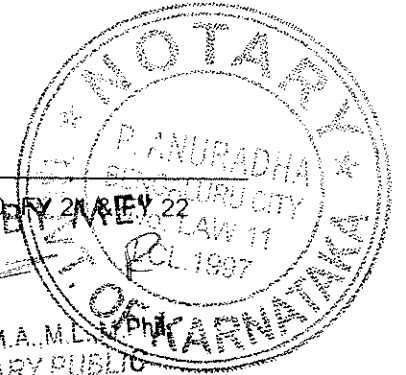
IN THE MATTER OF

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

..... Applicant

KPTCL most respectfully submits the application of Expected Revenue from Charges (ERC), Annual Revenue Requirement (ARR) and Transmission Tariff Application for FY20, FY21 and FY22 of Karnataka Power Transmission Corporation Limited under Multi Year Tariff (MYT) principles, for approval by the Hon'ble Commission:

1. KPTCL is deemed licensee under the Act operating the transmission network in the State of Karnataka.
2. This is an application, under Section 61, 62 and 64 of Electricity Act 2003, read with KERC (Terms and conditions for determination of transmission Tariff) Regulations-2006 and relevant Regulations.



CHAPTER – 1

1.0. EXPECTED REVENUE FROM CHARGES (ERC) AND TRANSMISSION TARIFF APPLICATION FOR FY20, FY21 AND FY22

1.1 ERC Filing Requirement

In terms of Section 61, 62 and 64 of Electricity Act 2003 and read with the KERC (Terms and conditions for determination of transmission Tariff) Regulations 2006, this Expected Revenue from Charges and the Annual Revenue Requirement for FY20, FY21 and FY22 and Transmission Tariff application for the same period is being submitted under Multi Year Tariff Principles.

1.2 The formats prescribed in KERC (Tariff) Regulations 2000 (and in subsequent amendments) as applicable for ERC filing are enclosed along with this application. The details of the revenue anticipated and the expenditure estimated for FY 20, FY21 and FY22 are detailed in the following paragraphs. The information provided in the formats for the previous year FY 18 are as per Audited Accounts of KPTCL and for FY 19 are as per Revised Estimates.

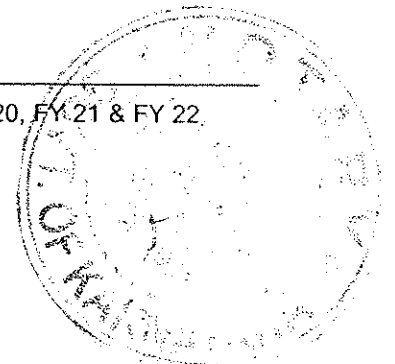
a) The licensee confirms that revised estimates for FY 19, the estimates for ERC, Annual Revenue Requirement and Transmission charges for the financial years FY 20, FY21 and FY22 have been approved by the Board of Directors.



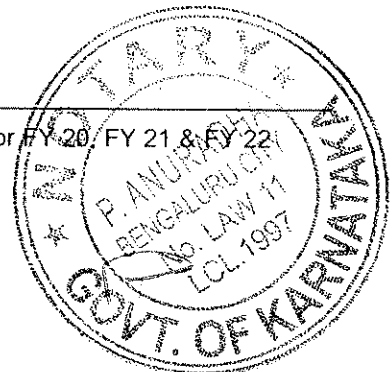
- b) The Financial Advisor, Regulatory Affairs, KPTCL is authorized by the Board of Directors to sign and file the ERC, ARR and Transmission Tariff Application for the years FY 20, FY21 and FY22 before the Hon'ble Commission.

1.3 KPTCL Profile:

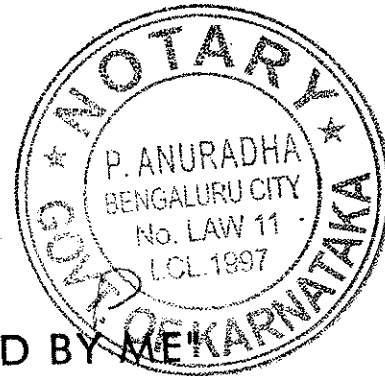
- a) Karnataka Power Transmission Corporation Limited is a company registered under the Companies Act, 1956 and incorporated on 28th July 1999. KPTCL commenced its operations from 1st August 1999 by carving out the Transmission and Distribution functions of the erstwhile Karnataka Electricity Board. On further unbundling, w.e.f 01.06.2002, KPTCL became a Transmission company but was involved in Bulk Power Purchase Activity. After enactment of Electricity Act 2003, the trading activity was taken out from KPTCL w.e.f 10.06.2005. Since then KPTCL is only a transmission entity wholly owned by the Government of Karnataka, operating now with an authorized share capital of ₹ 3000 crores and paid up share capital of Rs.2182 Cr as on-31.03.2018.
- b) Karnataka Power Transmission Corporation Limited is vested with the functions of transmission of power and grid operation in the entire State of Karnataka. It operates as a deemed licensee under the Act 2003.



- c) KPTCL enables ESCOMs to serve nearly 240 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, it operates 1163 sub-stations and 36266 Ckt Kms of transmission lines with voltages of 66 KV and above as at the end of September 2018. To enable easier operation of the system, KPTCL has been divided into six zones; each headed by a Chief Engineer, fifteen Circles, each headed by a Superintending Engineer, forty seven divisions, each headed by an Executive Engineer. Maintenance and construction of transmission system and day to day functioning are being looked after by the above officers.
- d) There are 32 Transmission line and Sub-Station Divisions (TL&SS) in KPTCL. They are in charge of operation and maintenance of the transmission system in Karnataka. Besides there are 15 transmission works Division which takes care of construction activity related to intrastate transmission system across the State of Karnataka.
- e) There are 14 Relay Testing (RT) divisions in KPTCL which works under 4 relay testing circles. Each Division is responsible for maintenance of protective relays, meters and addressing critical trouble shooting issues in all sub-stations of KPTCL. Also recommissioning tests of all new substations are performed by the RT Divisions besides calibrating all interface meters on periodical basis.



- f) KPTCL's Finance and Accounts are managed by the Finance / Accounts & Resources wing. There are 79 accounting units. The wing organizes in-time funding for various projects of KPTCL, accounting of all transactions and timely preparation of Annual Accounts of the KPTCL. All activities are audited by an independent audit group headed by Financial Advisor, Internal Audit.
- g) The main source of revenue of KPTCL is Transmission charges. The annual income of the company was ₹ 3094.64 Crores during 2017-18 as per Audited Accounts.
- h) The total installed substation capacity of the State as on 30.9.2018 is 58033 MVA. In order to meet the required peak load, considering future growth, KPTCL has targeted a number of works including new stations, new lines and augmentation of existing network during the 5th MYT period.



"ATTESTED BY ME"

P. ANURADHA, M.A., M.L., M.Phil.
ADVOCATE & NOTARY PUBLIC
702, 'Akshaya Lakshmi Nilaya'
5th Block (Melkal Palya), Banashankari 6th Stage
Kengeri Hobli, Vidyapeeta Post, Bangalore-560 060

MISSION STATEMENT

The mission of Karnataka Power Transmission Corporation Limited (KPTCL) is to ensure reliable quality power to its customers.

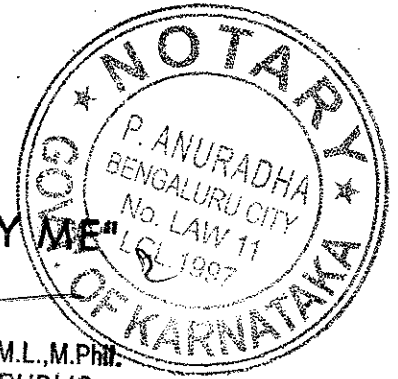
KPTCL is committed to achieve this mission through

- a) Encouraging best practices in transmission.
- b) Ensuring High Order maintenance of all its technical facilities.
- c) Emphasizing the best standards in customer service.

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

"ATTESTED BY ME"

P. ANURADHA, M.A., M.L., M.Phil.
ADVOCATE & NOTARY PUBLIC
'S'62, 'Abhaya Lakshmi Nilaya'
5th Block (Kotha Palya), Banashankari 6th Stage
Kengeri H.O., Vidyapeeta Post, Bangalore-560 060



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 details of the Directives applicable to it duly explaining the latest progress in the implementation of the same in the following paragraphs. Hon'ble Commission observed in its orders that the implementation of most of the Directives is a continuous process.

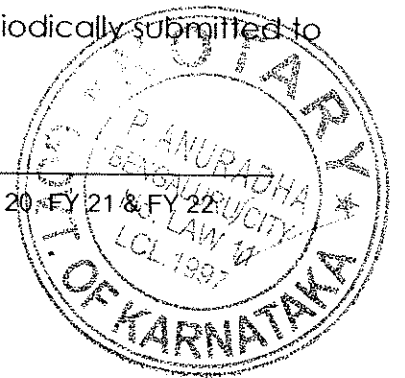
The Commission, in the Tariff Order dated 14th May 2018 issued the following directives for compliance by KPTCL.

2.1 Directive : Reactive Power Compensation and restoration of failed Capacitors :

To restore all failed capacitors as and when they fail and submit monthly status report thereon to the Commission, regularly.

Compliance :

The Transmission Zone Chief Engineers are taking timely action to restore the failed capacitors, as and when they are failed. Month wise details of status of capacitor banks are being periodically submitted to KERC.



The same has also been reviewed by the Hon'ble Commission during quarterly review meetings and observations thereon have also been complied with. Details of Status of capacitor banks as on 30th September 2018 has been furnished to KERC vide letter No. KPTCL / B36/18-19/87623/970-73 dated 02.11.2018.

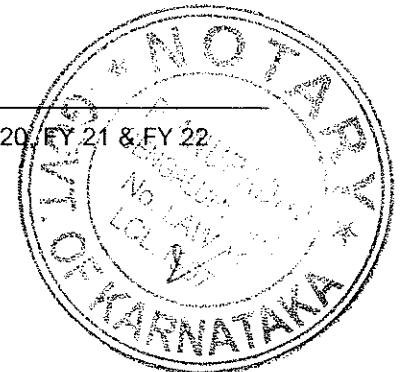
2.2 Transmission System Availability – Monthly Report :

The Commission directed KPTCL

- a) To take necessary action to maintain elements of transmission system in a healthy condition by carrying out maintenance work as per schedule and conduct Condition Monitoring of substation equipment and Residual Life Assessment (RLA) tests for old equipment to ensure proper reliability in supply.
- b) To submit the monthly report of transmission system availability duly certified by SLDC regularly to the Commission.

Compliance :

- a) Regular maintenance of elements of transmission system is being carried out regularly by the respective TL & SS divisions. Also replacement / augmentation of old / obsolete equipment is being taken up on regular basis. As regards Condition Monitoring of substation equipment, the Commission was apprised of the measures taken by KPTCL, during Advisory Committee meeting held on 16.11.2018.



b) System availability for the financial year ending 31.03.2018 certified by SLDC has been submitted to KERC vide letter No. KPTCL/B36/70603/2017-18/1146- 49 dated 17.11.2018. Further data of transmission system availability upto 30th September 2018 has been sent to KERC on monthly basis. The data for September 2018 is submitted vide KPTCL letter No. KPTCL / B36/2018-19 / 87666/989 dated 07.11.2018.

2.3 Implementation of Intra State ABT :

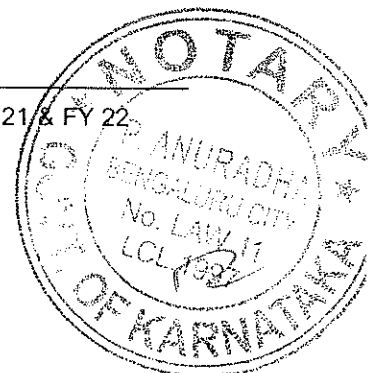
KPTCL is directed follow up with all participants and stakeholders to expedite implementation of the intrastate ABT regime fully in the state . KPTCL and ESCOMS shall take necessary measures to achieve full implementation of Intra-State ABT and report compliance thereon.

Compliance :

As directed, KPTCL reported compliance on implementation of Intra-State ABT during Advisory Committee meeting held by KERC on 18.07.2018. In the meeting Commission directed KPTCL to issue regular bills without waiting for consent from BESCO & HESCO. Accordingly SLDC commenced issuing regular bills from October 2018 and appraised the same to the Hon'ble Commission during the Advisory Committee meeting held on 16.11.2018.

2.4 Directive: Energy Audit

KPTCL is directed to continue to analyze the losses occurring in the transmission system and take suitable measures to ensure bringing down the losses and reiterated its directive to furnish voltage wise losses on a monthly basis.



Compliance:

Month wise, voltage wise transmission losses for the year 2017-18 has already been furnished to KERC vide letter No. KPTCL / B36/70608/2017-18/220 dated 14.06.2018. Transmission losses upto July 2018 has been furnished to Hon'ble Commission vide letter No. KPTCL / B36/87665/2018-19/1112-15 dated 13.11.2018.

2.5 Directive: Quality of Service

KPTCL to display on its website, on a daily basis the details of daily load curve (Maximum and Minimum demand) generation of power source wise and the details of source wise outages with a view to make the general public aware of the power situation in the State.

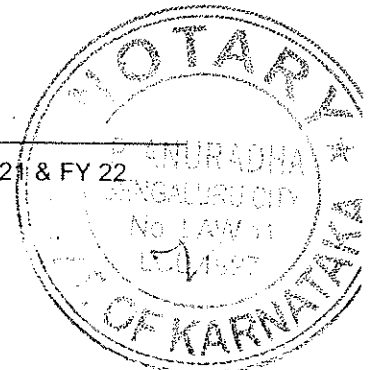
Compliance:

SLDC is updating the details of generation of power source wise and outages source wise and also interruption occurring in each major sub-station and lines in the daily load curve which is uploaded in the KPTCL website on a daily basis.

2.6 Capital Works Programme

The Commission reiterates its directive

- a) To submit the details of Capital Expenditure actually incurred and capitalization of assets to undertake necessary prudence check during the annual performance review.



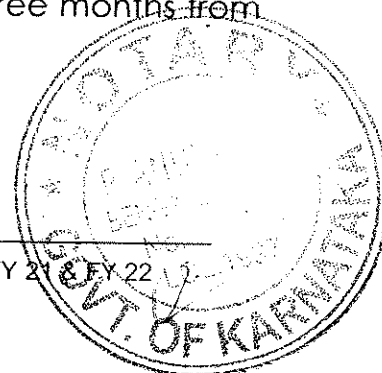
- b) Maintain separate accounts with respect to the costs incurred in respect to the costs incurred in respect of lines and bays.

Compliance:

- a) The KERC vide letter No. KERC /M/03/ 2018-19/400 dated 15.06.2018 directed KPTCL to conduct post commissioning analysis of capital works categorized during FY 18 as per the guidelines prescribed thereon. KPTCL has conducted the analysis and has submitted the report to KERC vide letter No.KPTCL/B36/2018-19/87637/685 dated 01.09.2018.
- b) Costs incurred in respect of lines and bays are furnished based on the Audited Accounts for FY-18.
- c) Further, Capital Works Planned for 5th MYT period is prepared and enclosed as **Annexure-1**.

2.7 Directive on study conducted (Man Power Study) :

KPTCL shall ensure implementation of a proper manpower planning strategy with a view to ensure optimum use of human resources and to minimize the operational costs and submit compliance thereon to the Commission within three months from the date of the Order.



Compliance :

The recommendations of the internal committee were reviewed by the functional directors and they have submitted their opinion. Based on this opinion, an implementation committee is being constituted to look into modalities of implementation during 2019-20.

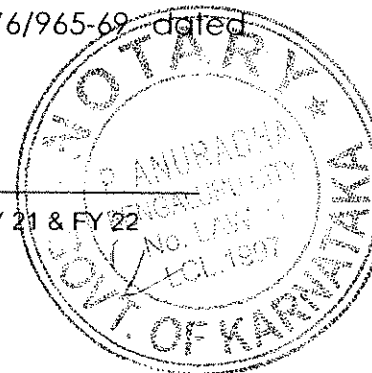
2.8 Directive to prevent electrical accidents:

KPTCL to ensure that the rectification of hazardous locations needs to be expedited.

- a) KPTCL shall take necessary measures aimed at prevention of electrical accidents in its transmission system by conducting regular review of such works.
- b) KPTCL shall take necessary action for continuous awareness campaign on electrical safety aspects including sensitizing of its field staff so as to sustain the campaign on safety aspects.
- c) KPTCL to regularly submit its action plan for prevention of electrical accidents in the transmission line and substations.

Compliance :

The Zonal Chief Engineers are regularly monitoring works related to rectification of hazardous locations. Zone-wise Action Plan for prevention of Electrical Accidents was furnished to the Hon'ble Commission vide letter No. KPTCL/B36/2018-19/87676/965-69 dated 02.11.2018.



CHAPTER – 3

3.0 TRANSMISSION NETWORK PLAN

3.1 Transmission Load forecast for the Fifth Control Period

KPTCL's Load forecast depends on two major components viz,

- a) Generation Capacity addition within the State and
- b) Growth in Demand for Electricity across the State.

The following tables provide the planned transmission capacity addition during the fifth control period:

Table-1

Planned Addition of transmission capacity during 2018-19

Company	2017-18	2018-19	
	Transmission Capacity in MW Existing	Transmission Capacity in MW	
		Additions	Total
BESCOM	9516	1487	11003
MESCOM	1615	0	1615
CESC	2252	0	2252
HESCOM	4000	0	4000
GESCOM	2380	170	2550
TOTAL	19763	1657	21420

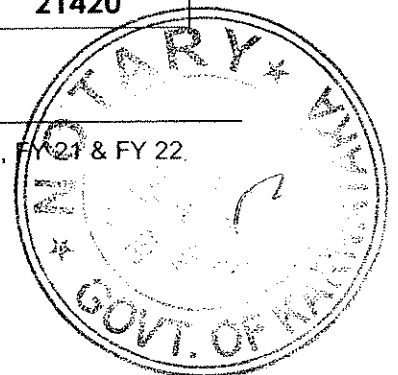


Table- 2

Planned Addition of transmission capacity during 2019-20

Company	2018-19	2019-20	
	Transmission Capacity in MW Existing	Transmission Capacity in MW	
		Additions	Total
BESCOM	11003	1224	12227
MESCOM	1615	0	1615
CESC	2252	170	2422
HESCOM	4000	340	4340
GESCOM	2550	510	3060
TOTAL	21420	2244	23664

Table-3

Planned Addition of transmission capacity during 2020-21

Company	2019-20	2020-21	
	Transmission Capacity in MW Existing	Transmission Capacity in MW	
		Additions	Total
BESCOM	12227	1190	13417
MESCOM	1615	170	1785
CESC	2422	340	2762
HESCOM	4340	85	4425
GESCOM	3060	170	3230
TOTAL	23664	1955	25619

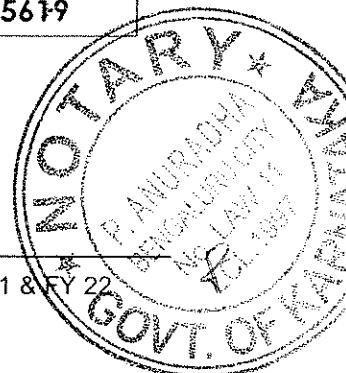


Table-4

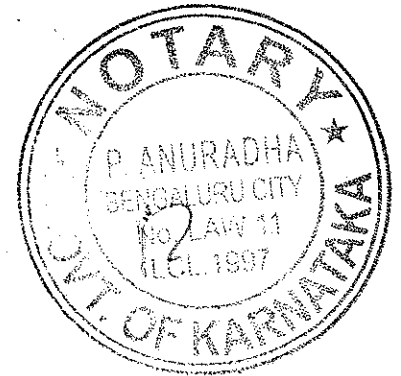
Planned Addition of transmission capacity during 2021-22

Company	2020-21	2021-22	
	Transformers Capacity in MW	Transformers' Capacity in MW	
		Additions	Total
BESCOM	13417	1870	15287
MESCOM	1785	85	1870
CESC	2762	765	3527
HESCOM	4425	723	5148
GESCOM	3230	255	3485
TOTAL	25619	3698	29317

3.2 Energy Transmission – Projection

The following is the Energy Requirement as provided by ESCOMs for MYT period (in MU):

2017-18 (Actual)	2018-19 (Approved)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
70288	68266	71025	74341	77880



3.3 Projected Transmission Capacity Among ESCOMs :

For the Financial Years 2019-20, 2020-21, 2021-22 the projected Transmission Capacity in Mega Watts is shown in the table below:-

Table-5

Projected Transmission Capacity among ESCOMS

(In MW)

Capacity allocation amongst ESCOMs	2017-18 (Actual)	2018-19 (Projected)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
BESCOM	9516	11003	12227	13417	15287
MESCOM	1615	1615	1615	1785	1870
CESC	2252	2252	2422	2762	3527
HESCOM	4000	4000	4340	4425	5148
GESCOM	2380	2550	3060	3230	3485
TOTAL	19763	21420	23664	25619	29317

Note: Transformation Capacity at 220 kV level is considered.

3.4 Transmission Losses And System Availability :

The projected gross energy (input), energy at IF points (output), and the transmission loss projected are indicated in the following table.

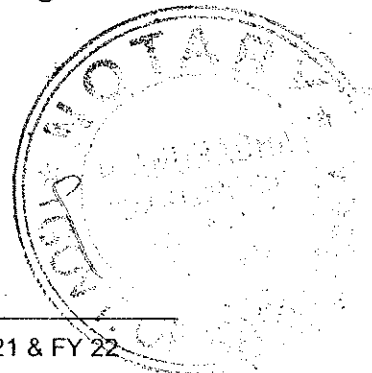


Table-6
Calculation of Transmission Loss (Projection)

Particulars	Fifth Control period projections		
	2019-20	2020-21	2021-22
Input Energy in KPTCL Grid (MU) as estimated by ESCOMs	71025	74341	77880
Energy at interface point (MU)	68759	71984	75427
Transmission loss in MU	2266	2357	2453
Transmission loss in %	3.19	3.17	3.15

KPTCL is vested with the responsibility of transmission of power from different sources of generation to ESCOMs. KPTCL has built a transmission system to ensure reliability and availability to meet its objectives.

Transmission loss reduction is a continuous process. System improvement works like link lines, addition of new lines and transformer capacity augmentation apart from establishing new sub stations closer to the load centers are taken up. These works reduce the transmission losses and also contribute to the reduction of distribution losses. Investments are planned giving thrust to improvement of system reliability and creation of robust transmission network.

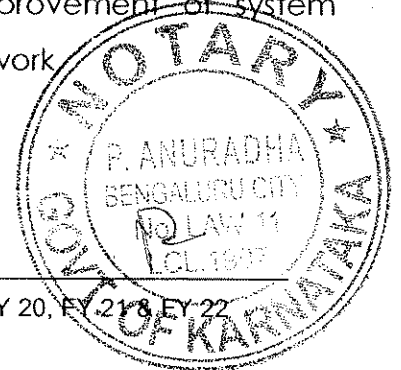


Table-7

Projected Trajectory of transmission losses (in % terms)

Range	FY 20	FY 21	FY 22
Upper Limit	3.29	3.27	3.25
Average	3.19	3.17	3.15
Lower Limit	3.09	3.07	3.05

3.5 Actual System Availability For 2017-18 :

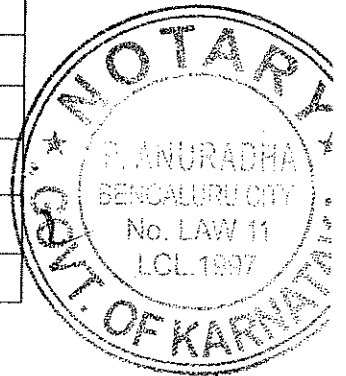
KPTCL is maintaining transmission network in the State at voltages of 400 kV, 220 kV, 110 kV and 66 kV. KERC in its MYT Regulation dated 31.05.2006 has indicated the methodology for calculating the System availability of transmission network. Based on the regulations and formula in appendix-1 of the Regulation, the system availability for the financial year FY 2017-18 has been worked out. The zone wise availability values and the total state network availability are furnished in the table below.

Table-8

Zone wise System Availability for FY18

	Name of the Transmission Zone	% System Availability
A	BENGALURU	99.751
B	TUMAKURU	99.064
C	HASSANA	99.691
D	BAGALKOTE	99.481
E	KALABURAGI	99.802
F	MYSURU	99.317

Over all System Availability for the Year 2017-18 is 99.43%.



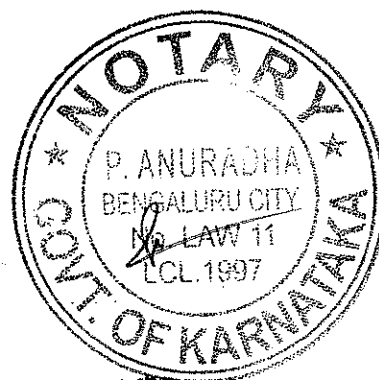
3.6 System Availability Projections for FY 20, FY 21 and FY 22 :

Table-9

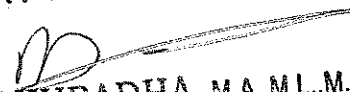
Projected System Availability for FY 20, FY 21 and FY 22

	FY 18 (Actual)	FY 19 (Projected)	FY 20 (Projected)	FY 21 (Projected)	FY 22 (Projected)
System Availability in %	99.43	99.48	99.53	99.58	99.63

KPTCL intends to improve the System Availability year on year by 0.05%.



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CHAPTER – 4

4.0 REVISED ESTIMATE OF KPTCL FOR FY19

4.1 REVISED ESTIMATE OF KPTCL FOR 2018-19

KPTCL had filed the projections for FY 19 in the MYT filing on 30.11.2015 for the final year of the fourth control period for which the Hon'ble Commission issued order on 30.03.2016 and revised order on 14.05.2018 approving transmission tariff of ₹ 115776/MW/ Month.

Since, Financial Year 2018-19 is the base year for fifth control period, based on the available information at the time of filing, Revised Estimates for FY-19 are submitted.

However, KPTCL will be filing Annual Performance Review based on the Audited Accounts for FY 19 separately.

- Details of ARR approved in KERC Order dated 30.03.2016 and revised estimates are shown in Table 10 below.



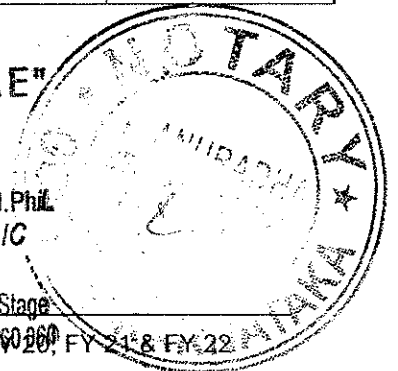
Table-10

Revised ARR of KPTCL for 2018-19

Particulars	Approved by KERC in order dated 30.03.2016	Revised Estimate
Expenditure (₹. Crs)		
Employee costs		1181.68
R & M Expenses		319.36
A & G Expenses		125.86
O&M Expenses Total	1326.85	1626.90
Depreciation	786.95	911.87
Interest and Finance Charges	671.07	516.69
Interest on Working capital	93.54	0
Sub Total	2878.41	3055.46
Less expenses capitalized		
a) interest and finance charges	60.26	72.29
b) other expenses capitalized	51.91	42.11
Sub Total (a+b)	112.17	114.40
Other debits	0.00	6.11
Total Expenditure	2766.24	2947.17
RoE @ 15.5% (on Equity + Res & Surplus)	764.01	644.25
Provision for taxation	0.00	137.49
Gross Annual Revenue Requirement	3530.26	3728.91
Less Other Income	57.66	104.12
Net ARR	3472.60	3624.79

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KPTCL – ERC, ARR and Transmission Tariff Application for FY 20, FY 21 & FY 22 under MYT Principles

CHAPTER - 5

5.0 RATIONALE FOR TRANSMISSION CHARGES APPLICATION :

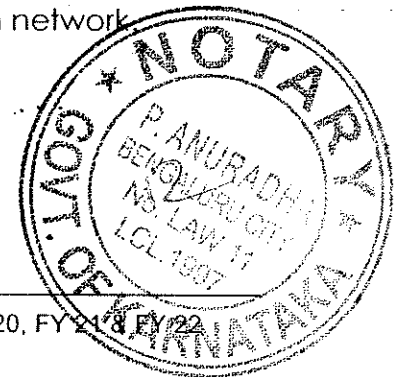
The Mission of KPTCL is to provide efficient transmission network in the State which is stable, robust and capable of transmitting power in a most reliable and cost-effective manner. To meet its capital investment, KPTCL has to depend largely on borrowings from funding agencies.

KPTCL is filing Transmission Charges application for FY-20, FY-21 and FY-22 in order to overcome the revenue inadequacy and to ensure adequate investments in the sector. KPTCL needs to cover its costs in full plus 15.5% return on its equity,

5.1 Rationale for Capital investment Programme for FY 20, FY 21 and FY22

Capital investment Plan for the fifth control period is worked out with the following objectives.

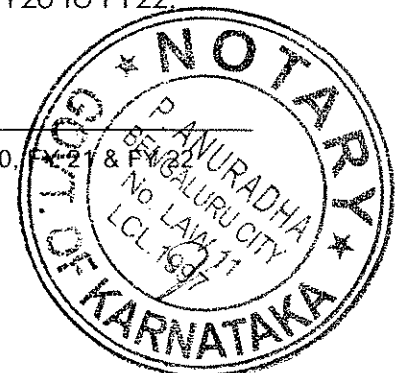
- a) To meet additional load
- b) To improve voltage profile
- c) To take up Green Energy Corridor Projects
- d) To strengthen the Bengaluru city transmission network
- e) To facilitate 24/7 power supply by ESCOMs.



5.2 The Electricity Act, 2003 and the National Electricity Policy of the GOI have laid down certain responsibilities for the State Transmission Utilities. The particular relevance is Section 39 of the Electricity Act, 2003 according to which the state transmission utility has to ensure development of efficient, coordinated and economical system of intra state transmission lines for smooth flow of electricity from a generating station to the load centres. KPTCL aims to achieve this through systematic planning and implementation of the transmission capacity building programmes in the State.

5.3 The National Electricity Policy (Para 5.3.2) in accordance with sec 3 of the Electricity Act, 2003 mentions that there is a need for adequately augmenting transmission capacity, keeping in view of the massive increase planned in generation. Para 5.3.5 of the Policy envisages that to facilitate orderly growth and development of the power sector and also for secure and reliable operation of the grid, adequate margins in transmission systems should be created. The transmission capacity would be planned and built to cater to both the redundancy levels and margins keeping in view the international standards and practices. A well planned and strong transmission system will ensure not only optimal utilization of transmission capacities but also of generation facilities and would facilitate achieving ultimate objective of cost effective delivery of power.

KPTCL has also planned evacuation projects for the proposed generation in the state for the control period from FY20 to FY22.



5.4 The proposed capital investment Plan for FY 20, FY 21 and FY 22 is as under.

Table-11(a)

Summary of Capital Budget for FY 20-22

(Amt ₹ in Crs)

YEAR	2018-19	2019-20	2020-21	2021-22
Stations	1577.20	1845.69	1766.96	2226.85
Lines	471.64	441.56	703.04	440.72
Augmentation	263.28	407.94	326.44	124.31
Civil Works	120.00	100.00	80.00	70.00
Others	132.79	62.78	43.20	25.89
GCB	227.59	200.00	200.00	250.00
Misc	150.50	150.00	150.00	150.00
Total	2943.00	3207.97	3269.64	3287.77

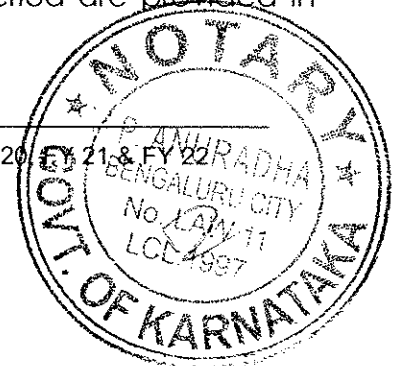
Table-11(b)

Breakup of Capital Expenditure for FY 20-22

(Amt ₹ in Crs)

Particulars	FY 20		FY 21		FY 22	
	Nos	Budget	Nos	Budget	Nos	Budget
Completed works	94	371.19	155	665.32	223	752.56
Ongoing works	155	1325.65	222	849.17	190	2012.38
New Works	418	1061.13	196	1325.15	6	52.83
GCB & Civil /Misc works	-	450.00	-	430.00	-	470.00
Total	667	3207.97	573	3269.64	419	3287.77

Details of capital works proposed for the MYT period are provided in Annexure- 1.



5.5 Need to ensure Assured Revenue Stream

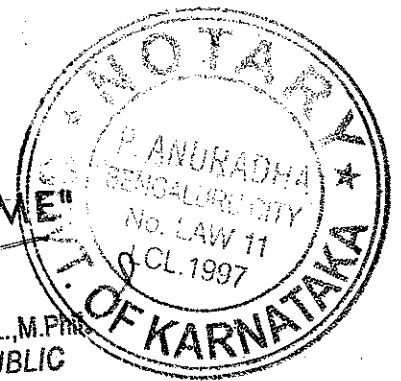
KPTCL manages the critical function of constructing evacuation facilities and maintenance of transmission network. Its efforts are on improving power availability and system reliability. These roles involve costs that are fixed in nature and have to be met by a steady and guaranteed stream of revenue.

5.6 Facilitating New Investments

KPTCL is making critical and urgently needed investments in its Transmission network to reinforce the system and to enhance its reliability to meet contingencies. It is but natural that KPTCL require huge investments. The Application envisages recovery of financing cost of these planned and ongoing investments.

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CHAPTER – 6

6.0 TRANSMISSION EXPENSES PROJECTION FOR FY20, FY21 AND FY22

6.1. Repairs and Maintenance Expenses

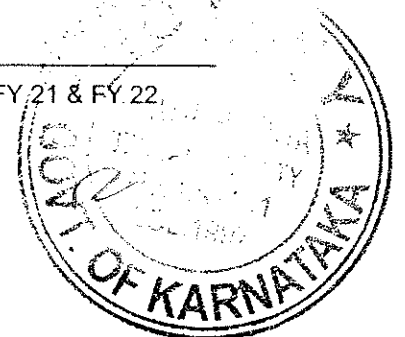
R&M Expenses have been projected at an average rate of about 15% over the budgeted amount for 2018.19 This increase is essential to improve existing stations and other office buildings, as also the stations likely to come up during the 5th control period. The maintenance of Transmission lines, SCADA infrastructure, station control room equipment, TCD and RT division equipment etc. are also taken into account in the projections.

Table-12

Projected R&M expenses for FY20 to FY22

(Amt ₹ in Crs)

Sl. No	Particulars	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
1	Plant and Machinery	219.26	252.15	289.97	333.47
2	Transformers:	20.50	23.58	27.11	31.18
3	Buildings	28.79	33.11	38.07	43.79
4	Other civil works	8.98	10.33	11.88	13.66
5	Lines, Cable Network, etc	42.11	48.43	55.69	64.04
6	Vehicles	0.89	1.02	1.18	1.35
7	Furniture & Fixtures	0.41	0.47	0.54	0.62
8	Office Equipment	1.02	1.17	1.35	1.55
9	Total	321.96	370.25	425.79	489.66
10	Less: Expenses shared by ESCOMs	2.60	2.73	2.87	3.01
11	Net	319.36	367.52	422.92	486.65

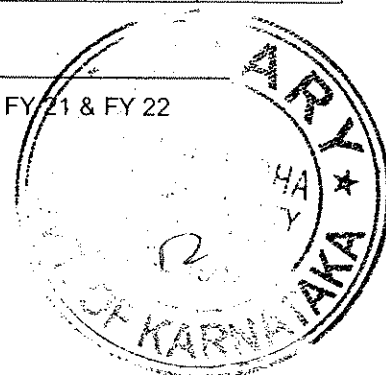


6.2. Employee Costs

Employees cost estimations are based on normal increase like Annual Increments and release of additional Dearness Allowance of 3.0 % per installment, for two installments. Other allowances have been considered at the existing rates. Contribution to Pension Trust is computed considering the provisional actuarial valuation at 59.61%, 64.47%, 69.62% on Basic pay, Dearness pay and Dearness Allowance for Pension and for Gratuity at 7.91% , 8.70%, 9.57% on Basic Pay and Dearness Pay . The Cost projections also include expected recruitment of 698 employees during the period.

Table- 13
Projected Employee cost for FY20 to FY22

(Amt in ₹ Crs)					
Sl No	Particulars	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
1	Basic Pay	706.93	740.30	794.29	818.11
2	Double Wages	13.65	14.06	14.48	14.92
3	Dearness Allowance	39.75	70.35	123.27	177.02
4	Other Allowances	111.32	116.33	125.95	132.50
5	Bonus/Exgratia	8.04	8.28	8.53	8.79
6	Sub-Total (1 to 5)	879.69	949.33	1066.52	1151.33
7	Medical expenses reimbursement	7.67	8.05	8.46	8.88
8	Earned Leave Encashment	58.46	70.16	84.19	101.03
9	Payment to Helpers	0.33	0.35	0.36	0.38
10	Total Other staff costs (7 to 9)	66.46	78.56	93.01	110.29
11	Staff Welfare expenses	4.44	4.66	4.90	5.14
12	Fees for Training courses held by outsiders	0.40	0.42	0.44	0.46
13	Training expenses for trainees	5.63	5.91	6.21	6.52
14	Terminal Benefits	242.22	287.73	332.50	380.68
15	Sub-total (11 to 14)	252.69	298.72	344.05	392.80
16	Grand Total(6+10+15)	1198.85	1326.61	1503.57	1654.41
17	Less expenses shared by ESCOMs	17.17	18.03	18.92	19.87
18	Employees Cost (Net)	1181.68	1308.58	1484.65	1634.54



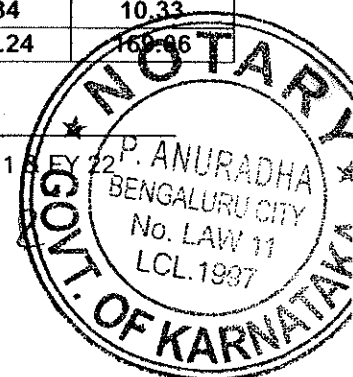
6.3. Administration and General Expenses Details

Table-14

Projected A&G Expenses for FY20 to FY22

(Amt ₹ in Crs)

Sl No	Particulars	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
1	Rents, Rates and Taxes	10.85	11.94	13.13	14.44
2	Security arrangements	7.76	8.54	9.39	10.33
3	Insurance				
4	Telephone charges, postages, Telegram Telex Charges and Mobile Phones	4.92	5.41	5.95	6.55
5	V-sat, Internet and related charges	10.14	11.15	12.27	13.50
6	Legal charges	2.44	2.68	2.95	3.25
7	Audit Fee	0.47	0.52	0.57	0.63
8	Consultancy charges	0.53	0.58	0.64	0.71
9	Technical Fee	0.02	0.02	0.02	0.03
10	Other professional charges	19.14	21.05	23.16	25.48
11	Travelling expenses, Conveyance and vehicle hire charges	35.73	39.30	43.23	47.56
12	Sub-total	92.00	101.20	111.32	122.45
13	Other expenses				
a	Fees & subscription & License Fees	1.51	1.66	1.83	2.01
b	Books & periodicals	0.10	0.11	0.12	0.13
c	Computer Stationery	0.97	1.07	1.17	1.29
d	Printing & Stationery	2.69	2.96	3.25	3.58
e	Advertisements	6.29	6.92	7.61	8.37
f	Contribution/Donations	0.10	0.11	0.12	0.13
g	Electricity charges	23.07	25.38	27.91	30.71
h	Water charges	1.66	1.83	2.01	2.21
i	Entertainment	0.01	0.01	0.01	0.01
j	Misc expenditure	6.37	7.01	7.71	8.48
14	Total other expenses	42.77	47.05	51.75	56.93
15	Freight & Other purchase related expenses	0.01	0.01	0.01	0.01
16	GRAND TOTAL	134.78	148.26	163.08	179.39
17	Less: Expenses shared by ESCOMs	8.92	9.37	9.84	10.33
18	Net Amount	125.86	138.89	153.24	169.06



Administration & General Expenses are projected based on the realistic estimates made by the accounting units for the base year. A & G Expenses are estimated at an average of 10% for the fifth control period taking into account expenses like Rent, Rates and Taxes, Expenses to be incurred towards Station Maintenance Contract Security arrangement, Insurance and Telephone charges etc.

6.4 Summary of O&M Expenses projections for the MYT period

Table-15

Projected O&M Expenses for FY 20 to FY 22

(Amt ₹ in Crs)

Particulars	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
R&M Expenses	319.36	367.52	422.92	486.65
Employee Cost	1181.68	1308.58	1484.65	1634.54
A&G Expenses	125.86	138.89	153.24	169.06
Total	1626.90	1814.99	2060.81	2290.25

6.5 Operation and Maintenance Expenses under MYT Regulations

- a) The Operation and Maintenance Expenses which include R&M, Employees Cost and A&G expenses are to be calculated as per the norms provided under regulation 3.11.3 on per ckt-km and per bay basis. In Tariff Order 2016 the rates indicated by KERC are as under

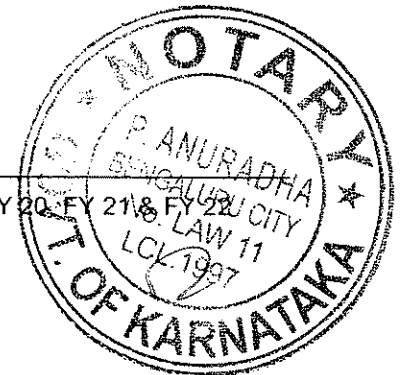


Table-16

Norms under KERC Tariff Order 30.06.16 for O&M Expenses

Particulars	2018-19
O & M Expenses for lines (in ₹ lakhs/ km)	0.84
O & M Expenses (in ₹ lakhs/ bay)	3.21

- b) The projected details of circuit kilometers of Transmission Lines and station bay are given below.

Table- 17

Voltage Class wise Transmission Lines for FY20 to FY22:

(in ckms)

Voltage Class	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
400 kV	3953	4182	4552	5940
220 kV	11243	12317	13331	14536
110.kV	11596	12140	12572	13108
66 kV	11422	11783	12792	13235
Total	38214	40422	43247	46819

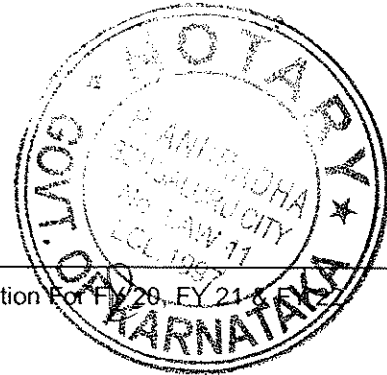


Table-18

Bay Details (In No's) for FY20 to FY22 :

Year	Line Bay	Transformer Bays	PT Bay	Capacitor Bank Bay	11 KV Bay	Total
	A	B	C	D	E	(A+B+C+D+E)
2018-19	5657	2723	1764	1328	12758	24230
2019-20	5919	2826	1849	1397	13349	25340
2020-21	6129	2939	1929	1480	13980	26457
2021-22	6420	3070	2049	1545	14483	27567

Considering the KERC norm on O&M Expenses for the year 2018-19 approved in tariff order 30.03.2016 the O&M expenses are worked out and indicated in the table below

Table-19

O&M expenses for 2020-2022 as per norms
(based on normative for 2018-19)

(Amt ₹ in Crs)

Particulars	Rate	2019-20	2020-21	2021-22
Normative O&M expenses for bays	3.21 x 25340 3.21 x 26457 3.21 x 27567	813.41	849.27	884.90
Normative O&M expenses for lines	0.84 x 40422 0.84 x 43247 0.84 x 46819	339.54	363.27	393.28
Total		1152.95	1212.54	1278.18



Even if the inflation at the rate of 8% factored by the Commission in its calculations as in tariff order 2018 is considered, the O&M expenses as per normative would increase marginally. This amount is too less as compared to the projections by the KPTCL based on actuals of FY-18 escalated by an increase of around 12%.

In view of the above, the Hon'ble Commission is requested to consider the projections made by the KPTCL and allow O & M expenses accordingly.

6.6 Depreciation

The Depreciation rates are based on CERC rates indicated in the Tariff Regulation for the period from 2014-19. The average rate of depreciation is considered as 5.19% duly taking into account proposed addition of assets year on year. Details are provided in format T 8

Table-20

Projected Depreciation for FY20 to FY22

(Amt ₹ in Crs)

Depreciation	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
	911.87	1012.34	1174.53	1316.41

6.7 (a) Interest and Finance Charges

The details of Interest and Finance charges projected for FY 20 to FY 22 are furnished below:

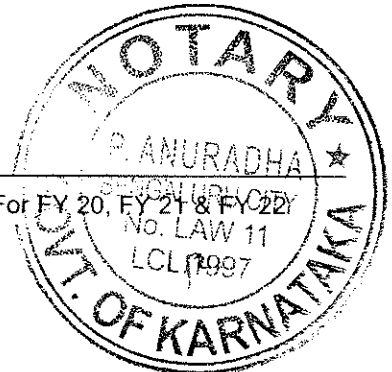


Table-21

Projected Interest & Finance Charges for FY20 to FY22

(Amt ₹ in Crs)

Interest and Finance charges	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
	516.69	667.07	794.55	859.51
Capitalization	72.29	93.33	111.16	120.25
Net	444.40	573.74	683.39	739.26

Interest cost has been estimated on the existing loan portfolios and proposed loans during the fifth control period.. For the existing loans as on 31.03.2018 the interest on loans is computed at a rate of 8.5 % p.a.(for 2018-19). For MYT period the rate of interest considered is 9.0%. The funding of Capex for the control period is expected through long term debts.

(b) Interest on Working Capital

KPTCL is managing its finances through short term borrowings to gain the interest rate advantage. The Hon'ble. Commission is requested to allow the interest on working capital for the control period as per the norms under MYT Regulations.

6.8 Return on Equity

RoE is computed considering the equity plus reserves and surpluses at the beginning of the year and applying the rate of 15.5% as per MYT Regulations notified by KERC. KPTCL requests the Hon'ble Commission to consider the projections.

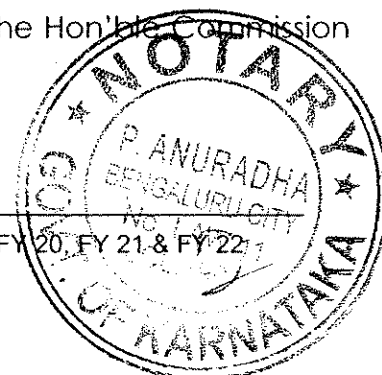


Table- 22
Projected RoE for FY 20 to FY22

(Amt ₹ in Crs)

Particulars	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
Equity	2282.32	2382.32	2482.32
Reserves & Surplus	2518.35	3277.95	4170.79
Share Deposit	100.00	100.00	100.00
Total	4900.67	5760.27	6753.11
RoE @ 15.5%	759.60	892.84	1046.73



"ATTESTED BY ME"

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5th Block (Meikal Palya), Banashankari 6th Stage
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CHAPTER – 7

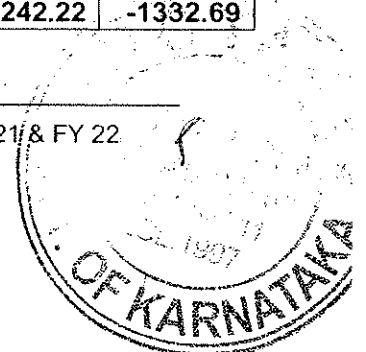
7.0 ANNUAL REVENUE REQUIREMENT

7.1 Annual Revenue Requirement of KPTCL for the Fifth Control Period

The estimated annual revenue requirement of KPTCL for the Financial Years (FY20 to FY22) are noted in the following table:

Table-24
Proposed ARR for the 5th control period.

PARTICULARS	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
Installed Capacity in MW	21420	23664	25619	29317
INCOME				
REVENUE FROM TRANSMISSION CHARGES	3018.14	3332.02	3605.84	4121.87
OTHER INCOME	104.12	109.47	115.03	120.86
TOTAL	3122.27	3441.49	3720.87	4242.74
EXPENDITURE				
REPAIRS & MAINTENANCE	319.36	367.52	422.92	486.65
EMPLOYEES COSTS	1181.68	1308.58	1484.65	1634.54
ADM & GENERAL EXPENSES	125.86	138.89	153.24	169.06
DEPRECIATION AND RELATED DTS	911.87	1012.34	1174.53	1316.41
INTEREST & FINANCE CHARGES	516.69	667.07	794.55	859.51
SUB-TOTAL	3055.45	3494.39	4029.89	4466.16
LESS: EXPENSES CAPITALISED:				
-INTEREST & FINANCE CHARGES CAPITALISED	72.29	93.33	111.16	120.25
-OTHER EXPENSES CAPITALISED	42.11	44.21	46.42	48.74
SUB-TOTAL	114.39	137.54	157.58	168.99
OTHER DEBITS (incl. Bad debts)	6.11	6.72	7.39	8.13
TOTAL EXPENDITURE	2947.16	3363.58	3879.71	4305.30
ROE	644.25	759.60	892.84	1046.73
PROVISION FOR TAXATION	137.49	162.11	190.55	223.39
TOTAL ARR	3728.90	4285.29	4963.10	5575.42
LESS : OTHER INCOME	104.12	109.47	115.03	120.86
NET ARR	3624.78	4175.82	4848.07	5454.56
SURPLUS/DEFICIT(-)	-606.63	-843.81	-1242.22	-1332.69



7.2 SLDC Charges:

In the Tariff Order dated 25.11.2009, the KERC has directed the KPTCL to indicate the SLDC charges separately without combining with ARR of KPTCL. Since then the ARR of SLDC is being shown separately for approval by the Hon'ble Commission. For FY20, FY21 and FY22 the SLDC expenses are indicated below.

Table-25

SLDC Charges Projected for the fifth control period

(Ami ₹ in Crs)

SL No.	Particulars	FY 20	FY 21	FY 22
1	Repairs and Maintenance Expenses	0.04	0.04	0.04
2	Employees cost	13.79	15.86	18.40
3	Administration & General expenses	8.79	9.67	10.64
4	Depreciation	0.22	0.22	0.22
	TOTAL	22.84	25.79	29.30

KPTCL requests the Hon'ble KERC to approve the above charges and order for recovery from ESCOMs.

7.3 Recovery of Transmission Charges.

In the foregoing paragraphs the KPTCL has made a detailed analysis of various costs. KPTCL respectfully submits before the Hon'ble Commission to consider the revenue requirements which are realistic estimates for the fifth control period. The Projected transmission charges for FY20, FY21 and FY22 are mentioned below for consideration of the Hon'ble Commission;

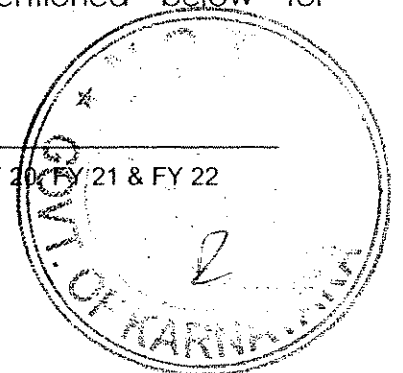


Table-26
Recovery of Transmission Charges

(in MW's)

Capacity allocation amongst ESCOMs	2017-18 (Actual)	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
BESCOM	9516	11003	12227	13417	15287
MESCOM	1615	1615	1615	1785	1870
CESC	2252	2252	2422	2762	3527
HESCOM	4000	4000	4340	4425	5148
GESCOM	2380	2550	3060	3230	3485
TOTAL (MW)	19763	21420	23664	25619	29317

Table-27
Proposed Transmission Charges-Computation

(Amt ₹ in Crs)

Particulars	FY 20	FY 21	FY 22
Transmission Capacity in MW	23664	25619	29317
Net ARR - (A)	4175.82	4848.07	5454.56
Add: Gap of 2017-18 – (B)	417.82	-	-
Total Revenue Requirement (A+B)	4593.64	4848.07	5454.56
Transmission Tariff (in ₹/MW/Month)	161766	157698	155045

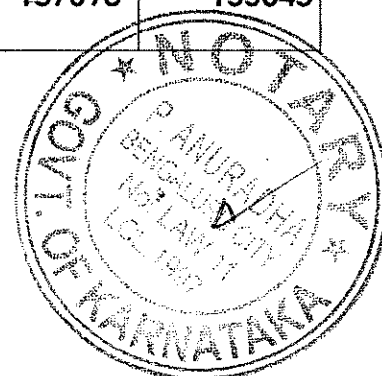


Table-28

ESCOM Wise Proposed Transmission charges per month

Company	2019-20		2020-21		2021-22	
	Transmission Capacity in MW	Transmission Charges Amt ₹ in Crs	Transmission Capacity in MW	Transmission Charges Amt ₹ in Crs	Transmission Capacity in MW	Transmission Charges Amt ₹ in Crs
BESCOM	12227	197.79	13417	211.58	15287	237.02
MESCOM	1615	26.13	1785	28.15	1870	28.99
CESC	2422	39.18	2762	43.56	3527	54.68
HESCOM	4340	70.21	4425	69.78	5148	79.82
GESCOM	3060	49.50	3230	50.94	3485	54.03
TOTAL	23664	382.80	25619	404.01	29317	454.55

7.4 Revenue Gap :

The income for FY20, FY21 and FY22 are to be calculated at the existing tariff for the purpose arriving at the Gap for the respective years. The transmission tariff as per KERC Order 2018 which is being charged for ESCOMs is at the rate of ₹ 1,15,776/MW/Month.

Table-29

Revenue Gap for FY 20 to FY 22

Particulars	(Amt ₹ in Crs)			
	2018-19 (Revised)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
Revenue at existing tariff	3018.14	3332.02	3605.84	4121.87
ARR	3624.78	4175.82	4848.07	5454.56
Gap	606.64	843.80	1242.23	1332.69

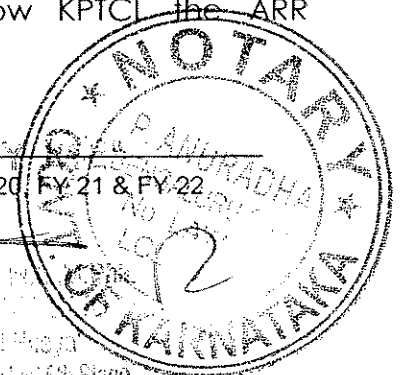
The Hon'ble Commission is requested to allow KPTCL the ARR projections.

KPTCL – ERC, ARR and Transmission Tariff Application For FY 20, FY 21 & FY 22

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CHAPTER – 8

8.0 PROPOSALS FOR EFFICIENCY PARAMETERS AND SHARING GAINS AND LOSSES

8.1 Efficiency parameters:

KPTCL proposes the following efficiency parameters for improvement viz,

Table-30

Reduction in transmission losses in %

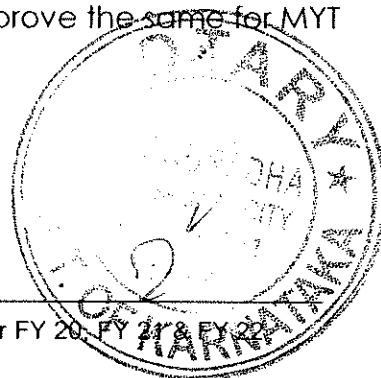
2017-18 (Actual)	2018-19 (Approved By KERC)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
3.22	3.27	3.19	3.17	3.15

Table-31

Improvement in Availability of Transmission System- %

2017-18 (Actual)	2018-19 (Projected)	2019-20 (Projected)	2020-21 (Projected)	2021-22 (Projected)
99.43	99.46	99.48	99.53	99.58

KPTCL requests the Hon'ble Commission to approve the same for MYT period.



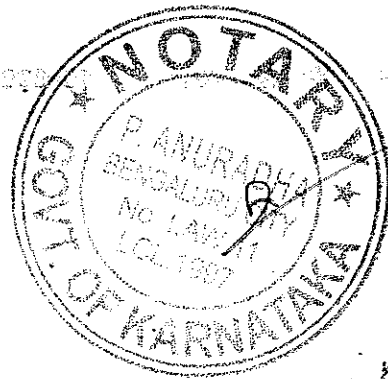
9.0 PRAYER

KPTCL respectfully prays that the Commission may be pleased to consider and approve the following:

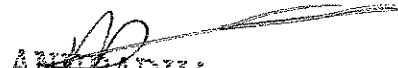
- a) The Proposed Transmission Charges for FY-20, FY-21 and FY-22.
- b) The deficit of FY 18 as filed in Annual Performance Review and allow the same in FY 20 for recovery from ESCOMs.
- c) The SLDC charges as proposed for the MYT period.
- d) The Short term Open access charges for FY 20, FY 21 and FY 22.

For KPTCL,


Financial Advisor,
(Regulatory Affairs)



"ATTESTED BY ME"


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Karnataka Power Transmission Corporation Limited

MYT for FY 2019-20, FY 2020-21, FY 2021-22

FORMS A1 to A5 and T1 to T23

FINANCIAL ADVISOR
Regulatory Affairs
KPTCL, Kaveri Bhavan
Bangalore - 560 009



KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

PROFIT & LOSS ACCOUNT

Form A1

Rs. in Cr.

Ref Form- No	PARTICULARS	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projectio n)	2020-21 (Projectio n)	2021-22 (Projectio n)
T1/D1	ENERGY AVAILABLE FOR TRANSMISSION (MU)	69657	70288	75447	71025	74340.70	77880.46
T2/D2	ENERGY SOLD AT INTERFACE POINT (MU)	67370	68023	72980	68759.47	71984.10	75427.21
	Transmission Loss in MUs	2287	2265	2467	2266	2357	2453
	Transmission Loss in %	3.28	3.22	3.27	3.19	3.17	3.15
	Installed Capacity in MW	20230	20570	21420	23664	25619	29317
	INCOME						
T2/D2	REVENUE FROM SALE OF POWER - Transmission Charges	3204.97	2859.53	3018.14	3332.02	3605.84	4121.87
T3/D3	REV SUBSIDIES & GRANTS *						
T4/D4	OTHER INCOME	175.31	235.11	104.12	109.47	115.03	120.86
	TOTAL	3380.28	3094.64	3122.27	3441.49	3720.87	4242.74
	EXPENDITURE						
T1/D1	POWER PURCHASE						
T5/D5	REPAIRS & MAINTENANCE	191.90	215.96	319.36	367.52	422.92	486.65
T6/D6	EMPLOYEES COSTS	720.19	904.43	1181.68	1308.58	1484.65	1634.54
T7/D7	ADM & GENERAL EXPENSES	91.19	113.08	125.86	138.89	153.24	169.06
T8/D8	DEPRECIATION AND RELATED DTS	664.34	716.78	911.87	1012.34	1174.53	1316.41
T9/D9	INTEREST & FINANCE CHARGES	450.87	426.22	516.69	667.07	794.55	859.51
	SUB-TOTAL	2118.49	2376.48	3055.45	3494.39	4029.89	4466.16
T10/D10	LESS: EXPENSES CAPITALISED:						
	-INTEREST & FINANCE CHARGES CAPITALISED	68.61	59.63	72.29	93.33	111.16	120.25
	-OTHER EXPENSES CAPITALISED	34.21	40.10	42.11	44.21	46.42	48.74
	SUB-TOTAL	102.82	99.73	114.39	137.54	157.58	168.99
T11/D11	OTHER DEBITS (incl. Bad debts)	15.62	5.55	6.11	6.72	7.39	8.13
T12/D12	EXTRAORDINARY ITEMS / EXCEPTIONAL ITEMS	-467.52	0.00	0.00	0.00	0.00	0.00
	TOTAL EXPENDITURE	1563.76	2282.30	2947.16	3363.58	3879.71	4305.30
	ROE			644.25	759.60	892.84	1046.73
	PROFIT (LOSS) BEFORE TAX	1816.51	812.34	-469.14	-681.69	-1051.67	-1109.30
	PROVISION FOR TAXATION	618.44	584.52	137.49	162.11	190.55	223.39
	PROFIT (LOSS) AFTER TAX	1198.07	227.82	-606.63	-843.81	-1242.22	-1332.69
T13/D13	NET PRIOR PERIOD CREDITS /(Charges)	98.57	-15.69				
	SURPLUS/DEFICIT(-)	1296.64	212.14	-606.63	-843.81	-1242.22	-1332.69

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 KPTCL, Kaveri Bhavan
 Bangalore - 560 009

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

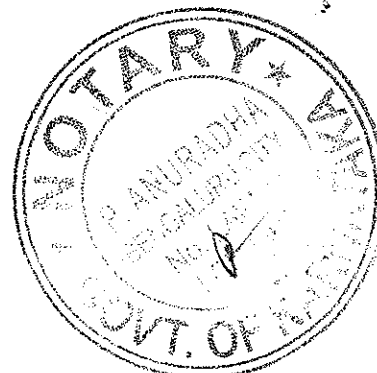
Form A2

Rs. in Cr.

Ref Form- No	PARTICULARS	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
	A. Equity and Liability:						
	Shareholders Funds	2075.32	2182.32	2182.32	2282.32	2382.32	2482.32
	Reserves & Surplus	1881.56	2093.70	2131.31	2047.11	1697.73	1411.77
	Equity Infusion (Shares pending allotment)	107.00	0.00	100.00	100.00	100.00	100.00
T14/D14	Contributions, Grants & Subsidies towards Cost of Capital Assets	408.45	639.12	689.29	744.47	805.18	871.96
	Total A	4472.33	4915.14	5102.92	5173.91	4985.24	4866.05
	B. Non-Current Liabilities						
T9/D9	Long Term Borrowings	4968.20	5206.93	6759.90	8665.15	10645.46	12494.94
	Deferred Tax Liability	483.73	898.23	898.23	898.23	898.23	898.23
	Other non Current Liabilities	1278.72	1492.60	1567.23	1645.59	1727.87	1814.27
	Long Term Provisions	200.77	173.15	181.80	190.90	200.44	210.46
	Total Non-Current Liabilities B	6931.41	7770.91	9407.16	11399.87	13472.00	15417.90
	C. Current Liabilities						
T9/D9	Short term Borrowings	0.00	158.33	0.00	0.00	0.00	0.00
	Trade Payables	710.78	710.61	710.61	710.61	710.61	710.61
	Other Current Liabilities	1450.50	1097.33	1152.19	1209.80	1270.29	1333.81
	Short Term Provisions	712.27	934.53	981.26	1030.32	1081.83	1135.93
	Total Current Liabilities C	2873.56	2900.79	2844.05	2950.73	3062.73	3180.34
	GRAND TOTAL (A+B+C)	14277.30	15586.84	17354.14	19524.50	21519.97	23464.29
	APPLICATION OF FUNDS:						
	ASSETS						
	A. FIXED ASSETS:						
T15/D15	a) Tangible assets - Gross Block	15049.60	17337.48	18106.14	20936.41	24281.46	26457.77
T8/D8	b) LESS:Accumulated Depreciation	6010.90	6713.00	7592.59	8571.67	9711.96	10993.09
T16/D16	c) Tangible Assets - Net Fixed Assets	9038.70	10624.48	10513.55	12364.74	14569.50	15464.68
	Intangible Assets						
T17/D17	d) Capital Work-in-Progress	3162.16	3032.92	5109.47	5438.80	5313.58	6373.73
	e) Long Term Loans & Advances						
	f) Other Non-Current Assets	798.48	744.76	722.42	700.74	679.72	659.33
	TOTAL A (a to i)	12999.34	14402.16	16345.43	18504.27	20562.80	22497.73
	Subsidy Receivable from Government						
	B. CURRENT ASSETS						
	a) Inventories	61.70	60.81	58.99	57.22	55.50	53.84
	b) Trade Receivables	730.86	661.95	625.94	596.67	573.06	556.97
	c) Cash & Cash Equivalents	276.41	220.62	89.86	139.56	108.75	142.59
	d) Short Term Loans & Advances	3.38	3.32	3.09	2.87	2.67	2.48
	e) Other Current Assets	205.60	237.97	230.83	223.91	217.19	210.67
	TOTAL OF B	1277.95	1184.68	1008.71	1020.22	957.17	966.56
	GRAND TOTAL (A+B)	14277.29	15586.84	17354.14	19524.50	21519.97	23464.29

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Bangalore - 560 009

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
CASH FLOW STATEMENT FOR THE YEAR

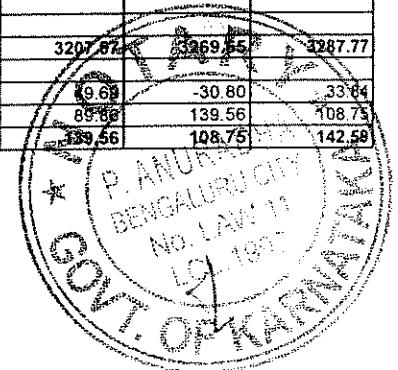
Form A3

Rs. in Cr.

SL NO	PARTICULARS	2016-17 (Actuals)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
	I Net Funds from Operations:						
A	Net Funds from Earnings:						
1	Net Profit	1296.64	212.14	37.61	-84.20	-349.38	-285.96
	Less:						
2	Subsidy and Grants						
3	Income Tax payment during the year						
	Total of A	1296.64	212.14	37.61	-84.20	-349.38	-285.96
B	ADD: Debits to Revenue Account not requiring Cash Outflow:						
(i)	Depreciation	664.34	716.78	911.87	1012.34	1174.53	1316.41
(ii)	Amortisation of Deferred Cost						
(iii)	Amortisation of Intangible Assets						
(iv)	Investment Allowance Reserve						
(v)	Others, if any.						
	Total of B	664.34	716.78	911.87	1012.34	1174.53	1316.41
C	LESS: Credits to Revenue Account not involving Cash Receipts:						
(i)	Depreciation						
	Total of C	0.00	0.00	0.00	0.00	0.00	0.00
	Net Funds from Earnings (A+B-C)	1960.98	928.92	949.48	928.13	825.15	1030.45
2	Contributions, Grants and Subsidies towards Cost of Capital Assets	45.61	230.67	50.17	55.19	60.71	66.78
3	Security Deposit from consumers						
4	Proceeds from disposal of Fixed Assets						
5	Total Funds from Operations (1+2+3+4)	2006.59	1159.58	999.65	983.32	885.86	1097.22
6	Net Increase/(Decrease) in Working Capital:						
A.	Increase/(Decrease) in Current Assets:						
a)	Inventories	-5.62	-0.89	-1.82	-1.77	-1.72	-1.67
b)	Receivables against sale of power	379.85	-68.90	-36.01	-29.27	-23.61	-16.09
c)	Loans and Advances	-1.17	-55.79	-130.76	49.70	-30.81	33.84
d)	Sundry Receivables	-862.30	-21.41	-29.71	-28.81	-27.94	-27.09
	Total of A	-289.24	-146.99	-198.31	-10.16	-84.08	-11.01
B.	Increase/(Decrease) in Current Liabilities:						
a)	Borrowings for working capital						
b)	Other Current liabilities - Power purchase	-1357.55	-0.18	0.00	0.00	0.00	0.00
	- Others	748.08	224.34	-38.69	258.93	188.60	263.90
	Total of B	-609.47	224.16	-38.69	258.93	188.60	263.90
	Net Increase/(Decrease) in Working Capital (A - B)	320.23	-371.16	-159.62	-269.09	-272.68	-274.91
7	Net Funds from Operations before Subsidies & Grants (5-6)	1686.35	1530.74	1159.27	1252.41	1158.54	1372.13
8	Receipts from Revenue Subsidies and Grants						
Total I	Net Funds from Operations including Subsidies & Grants (7+8)	1686.35	1530.74	1159.27	1252.41	1158.54	1372.13
II	Net Increase/(Decrease) in Capital Liabilities:						
A.	Fresh Borrowings:						
(a)	State Loans						
(b)	Foreign currency Loans/Creditrs						
(c)	Other Borrowings	919.24	866.76	2143.17	2607.95	2669.65	2687.77
	Total of A	919.24	866.76	2143.17	2607.95	2669.65	2687.77
B.	Repayments:						
	Repayment of Principal						
(a)	State Loans						
(b)	Foreign currency Loans/Creditrs						
(c)	Other Borrowings	776.48	628.03	590.20	702.70	689.34	838.29
	Total of B	776.48	628.03	590.20	702.70	689.34	838.29
	Net Increase/(Decrease) in Capital Liabilities (A - B)	142.76	238.73	1552.97	1905.25	1980.31	1849.48
III	Increase/(Decrease) in Equity Capital			100.00	100.00	100.00	100.00
	Increase/(Decrease) Reserves & surplus	0.00					
IV	Total Funds available for Capital Expenditure (I+II+III)	1829.11	1769.47	2812.24	3257.66	3238.85	3321.61
V	Funds Utilised on Capital Expenditure:						
(a)	On Projects	1701.96	1825.26	2943.00	3207.97	3269.65	3287.77
(b)	Released Assets reissued to works						
	Other						
(c)	Intangible Assets						
(d)	Deferred Costs						
	Total of V	1701.96	1825.26	2943.00	3207.97	3269.65	3287.77
VI	Net Increase/(Decrease) in Investments						
VII	Net Increase/(Decrease) in Cash & Bank Balance (IV - V - VI)	127.15	-55.79	-130.76	49.69	-30.80	33.64
VIII	Add: Opening Cash & Bank balances	149.26	276.41	220.62	89.86	139.56	108.73
IX	Closing Cash & Bank Balances (VII+VIII)	276.41	220.62	89.86	139.56	108.75	142.59

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Aggregate Revenue Requirement

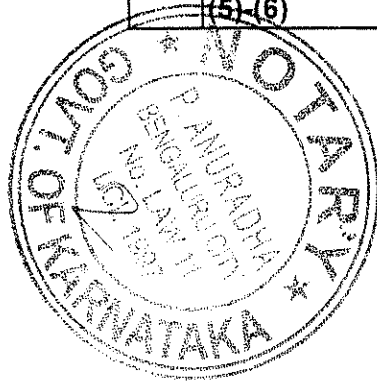
Form A4

Rs. In Crore

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Sl. No.	Item	Ref Form No	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1.	Capital Base/Net Fixed Assets at the beginning year less Consumer's contribution	A-1						
2.	Revenue return at3.....%.	A-1						
3.	Revenue Requirement- Expenditure (Net after capitalisation of expenses) excluding prior period and extra ordinary items	A-1	2,537.52	2,866.82	3,728.90	4,285.29	4,922.87	5,575.43
4.	Other Income	A-1	175.31	235.11	104.12	109.47	115.03	120.86
5.	Aggregate Revenue (2+3-4)		2,362.22	2,631.71	3,624.78	4,175.82	4,807.84	5,454.56
6	Net Prior Period Credits		98.57	(15.69)	-	-	-	-
7	Annual Revenue Requirement (5)-(6)		2,263.65	2,647.40	3,624.78	4,175.82	4,807.84	5,454.56

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Revenue Requirement - Capital Base

Form A5

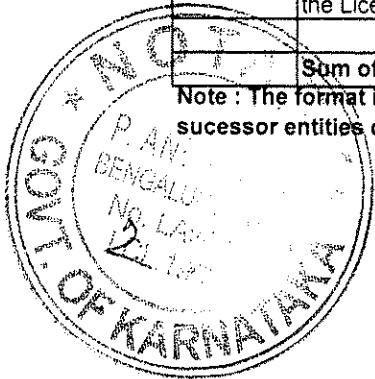
Rs. in Cr.

Sl No	Data Required	Ref Form No.	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
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)							
	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							

Note : The format is not applicable to KPTCL / BESCO / HESCO / MESCOM / GESCO and other successor entities of KEB

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Purchased Power-Current Year -FY2016-17 (Actual)													Form-T1				
Sl 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			
Not Applicable																	
TOTAL																	

Purchased Power-Current Year -FY2017-18 (Actual)													Form-T1				
Sl 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			
Not Applicable																	
TOTAL																	

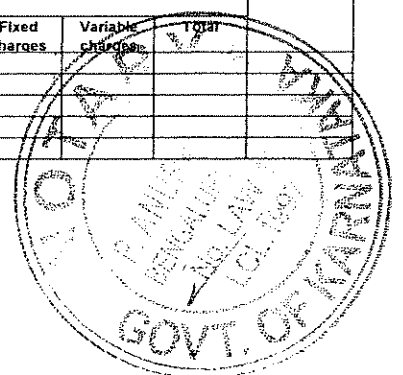
Purchased Power-Current Year -FY2018-19 (RE)													Form-T1				
Sl No	Source	Units purchased (M.U.)	Fixed Charges per annum * (Rs in Crs)	Variable charge (Paise/kwh)								Total Cost of Power at each Interface point. (Rs in Crs)			Average rate (Paise/kwh)		
				Variable charge	Fuel escalation charge	Incentive payment	Wheeling charge	Electricity Duty	Air & Water Consent Fee	Other Charges	Total variable charge	Fixed charges	Variable charges	Total			
Not Applicable																	
TOTAL																	

Purchased Power-Current Year -FY2019-20 (Projected)													Form-T1				
Sl 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			
Not Applicable																	
TOTAL																	

Purchased Power-Current Year -FY2020-21 (Projected)													Form-T1				
Sl 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			
Not Applicable																	
TOTAL																	

Purchased Power-Current Year -FY2021-22 (Projected)													Form-T1				
Sl 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			
Not Applicable																	
TOTAL																	

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Revenue - Transmission Charges

Form T2

Category	Consumer Category Particulars	2016-17 (Actual)				2017-18 (Actual)				2018-19 (RE)			
		No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avge. Realn. (Rs. / MW/ Month)	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avge. Realn. (Rs. / MW/)	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avge. Realn. (Rs. / MW/)
	Revenue from sale of power to ESCOMs												
	BESCOM		9728	1,487.22	127400		10068	1,347.80	111558		11003	1,528.66	115776
	MESCOM		1615	246.90	127400		1615	216.20	111558		1615	224.37	115776
	CESC		2253	344.44	127400		2252	301.47	111558		2252	312.87	115776
	HESCOM		3999	611.37	127400		4000	535.48	111558		4000	555.73	115776
	GESCOM		2635	402.84	127400		2635	352.75	111558		2550	354.28	115776
	Hukkeri Co-Op Society												
	Sub-Total		20230	3092.76	127,400		20570	2753.70	111,558		21420	2975.91	115,776
	Inter State Sale of Power												
	MTOA												
	ISTS Charges						36.04				37.84		
	Other Income						29.57				31.05		
	Total Interstate Sale of Power												
	Wheeling Charges and open access charges			36.24			40.23				42.24		
	Misc.			75.97									
	Withdrawal of Revenue Demand												
	Sub-Total - Misc. Rev			112.21			40.23				42.24		
	Grand Total		20230	3204.97		20570	2859.53			21420	3018.14		

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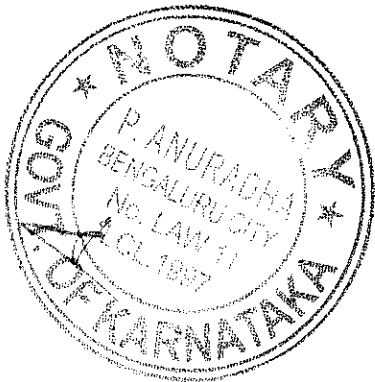
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KARNATAKA POWER TRANSMISSION
 Revenue - Transmission Charges

Form T2

Consumer Category Particulars	2019-20 (Projection)				2020-21 (Projection)				2021-22 (Projection)			
	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Reain. (Rs. / MW/ Month)	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Reain. (Rs. / MW/ Month)	No of Instns.	Installed Capacity in MW	Revenue (Rs in Crs)	Avg. Reain. (Rs. / MW/ Month)
Revenue from sale of power to ESCOMs												
BESCOM		12227	1,698.71	115776		13417	1,864.04	115776		15287	2,123.84	115776
MESCOM		1615	224.37	115776		1785	247.99	115776		1870	259.80	115776
CESC		2422	336.49	115776		2762	383.73	115776		3527	490.01	115776
HESCOM		4340	602.96	115776		4425	614.77	115776		5147.5	715.15	115776
GESCOM		3060	425.13	115776		3230	448.75	115776		3485	484.18	115776
Hukkeri Co-Op Society												
Sub-Total		23664	3287.67	115,776		25619	3559.28	115,776		29317	4072.98	115,776
Inter State Sale of Power												
MTOA												
ISTS Charges			39.73				41.72				43.80	
Other Income			32.60				34.23				35.94	
Total Interstate Sale of Power												
Wheeling Charges and open access charges			44.35				46.57				48.89	
Misc.												
Withdrawal of Revenue Demand												
Sub-Total - Misc. Rev			44.35				46.57				48.89	
Grand Total		23664	3332.02			25619	3605.84			29317	4121.87	

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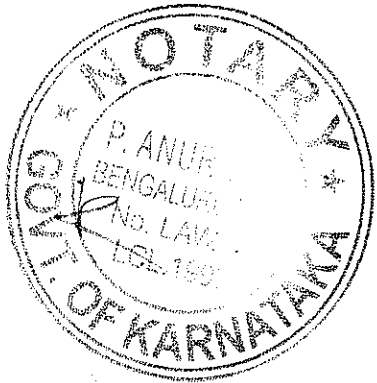
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED**Form T3****Revenue Subsidies and Grants**

Rs. In Crore

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	RE Subsidies						
2	Grants for Research and Development Expenses						
3	Grant for Survey and Investigation	NIL	NIL	NIL	NIL	NIL	NIL
4	Others Subsidy Hukkeri Society						
	Grand Total						

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form T4

Non-Tariff Income (Other Income)

Rs. In Crore

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Interest on staff loans and advances	0.03	0.06	0.06	0.06	0.06	0.06
2	Income from Investments:	2.69	6.00	6.18	6.37	6.56	6.75
a	Interest on securities						
b	Interest on Bank fixed deposits	2.65	5.97	6.15	6.33	6.52	6.72
c	Income on other investments	-	-	0.00	0.00	0.00	0.00
d	Interest on loans/advances to suppliers/ Contractors						
e	Interest from Banks	0.05	0.03	0.03	0.03	0.03	0.04
f	Interest on loans to Societies						
3	Income from Trading:	7.76	16.93	17.44	17.96	18.50	19.05
a	Profit on sale, hire etc of apparatus	7.41	16.48	16.97	17.48	18.00	18.55
b	Hire charges from Contractotrs	-	-	0.00	0.00	0.00	0.00
c	Profit on sale of stores	0.26	0.18	0.18	0.19	0.19	0.20
d	Sale of Scrap	0.09	0.27	0.28	0.29	0.30	0.31
e	Other Misc Receipts from trading	-	-	0.00	0.00	0.00	0.00
4	Income/Fees collections against staff welfare activities:						
a	Recoveries for transport facilities						
5	Miscellaneous Receipts:	164.82	212.13	80.45	85.09	89.92	95.00
a	Rental from Staff Quarters	7.30	7.37	7.60	7.82	8.06	8.30
b	Rental from others	13.85	14.43	14.86	15.30	15.76	16.24
c	Leave contribution			0.00	0.00	0.00	0.00
d	Excess found on physical verification of cash	0	0	0.00	0.00	0.00	0.00
e	Excess found on physical verification of stock	0	0	0.00	0.00	0.00	0.00
f	Excess found on physical verification of Assets	-	-	0.00	0.00	0.00	0.00
g	Recovery from transport & vehicle expenses	-	-	0.00	0.00	0.00	0.00
h	Depreciation withdrawn on Assets created out of Consumer contribution	33.33	49.95	32.93	35.75	38.68	41.78
i	Misc. recoveries	108.24	135.46	20.00	21.00	22.05	23.15
j	Excess provision in earlier years no longer required	2.11	4.91	5.06	5.21	5.37	5.53
	Grand Total	175.31	235.11	104.12	109.47	115.03	120.86

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Repairs and Maintenance Costs

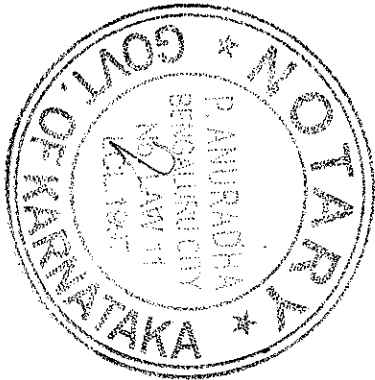
Form T5

Rs. In Crore

Sl No	Particulars	2016-17 (Actual)			2017-18 (Actual)			2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)		
		Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total	Consumption of stores	Other expenses	Total
	Repairs and maintenance to:																		
1	Plant and Machinery		139.89	139.89		166.85	166.85		219.26	219.26		252.15	252.15		289.97	289.97		333.47	333.47
2	Transformers: (a) repairs and maintenance made departmentally (b) repairs and maintenance by private agencies		8.21	8.21		7.55	7.55		20.50	20.50		23.58	23.58		27.11	27.11		31.18	31.18
3	Buildings		15.37	15.37		12.83	12.83		28.79	28.79		33.11	33.11		38.07	38.07		43.79	43.79
4	Other civil works		8.38	8.38		6.83	6.83		8.98	8.98		10.33	10.33		11.88	11.88		13.66	13.66
5	Hydraulic works		-	-		-	-		-	-		-	-		-	-		-	-
6	Lines, Cable Network, etc		23.90	23.90		23.62	23.62		42.11	42.11		48.43	48.43		55.69	55.69		64.04	64.04
7	Vehicles		0.46	0.46		0.41	0.41		0.89	0.89		1.02	1.02		1.18	1.18		1.35	1.35
8	Furniture & Fixtures		0.05	0.05		0.02	0.02		0.41	0.41		0.47	0.47		0.54	0.54		0.62	0.62
9	Office Equipments		0.40	0.40		0.33	0.33		1.02	1.02		1.17	1.17		1.35	1.35		1.55	1.55
	Total		196.65	196.65		218.44	218.44		321.96	321.96		370.25	370.25		425.79	425.79		489.66	489.66
11	Others - Expenses shared by ESCOMs		4.75	4.75		2.48	2.48		2.60	2.60		2.73	2.73		2.87	2.87		3.01	3.01
	Grand Total		191.90	191.90		215.96	215.96		319.36	319.36		367.52	367.52		422.92	422.92		486.65	486.65

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T6

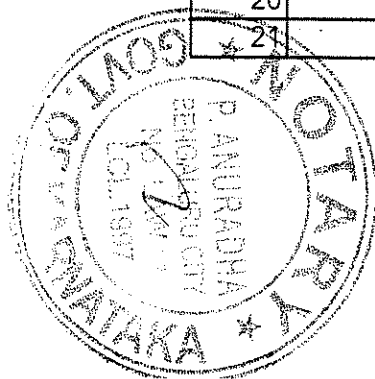
Employee Costs

Rs. in Cr.

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Basic Pay	342.54	436.63	706.93	740.30	794.29	818.11
2	Double Wages	6.99	7.40	13.65	14.06	14.48	14.92
3	Dearness Allowance	132.39	187.56	39.75	70.35	123.27	177.02
4	Other Allowances	62.85	80.47	111.32	116.33	125.95	132.50
5	Bonus	7.51	7.38	8.04	8.28	8.53	8.79
6	Sub-Total (1 to 5)	552.28	719.44	879.69	949.33	1,066.52	1,151.33
7	Medical Expenditure	5.74	5.99	7.67	8.05	8.46	8.88
8	Leave travel Assistance						
9	Earned Leave Encashment	59.79	24.75	58.46	70.16	84.19	101.03
10	Payment under Workmen's Compensation Act	0.00	0.16	0.00	0.00	0.00	0.00
11	Payment to Helpers	0.24	0.24	0.33	0.35	0.36	0.38
12	Total Other staff costs (7 to .11)	65.78	31.14	66.46	78.56	93.01	110.29
13	Staff Welfare expenses	0.27	0.41	4.44	4.66	4.90	5.14
14	Fees for Training - Courses held by Outsiders	0.18	0.18	0.40	0.42	0.44	0.46
15	Training Expenses for Trainees	1.17	0.72	5.63	5.91	6.21	6.52
16	Terminal Benefits	115.19	168.89	242.22	287.73	332.50	380.68
17	Sub-total (13 to 16)	116.81	170.20	252.69	298.72	344.05	392.80
18	Grand Total	734.87	920.78	1198.85	1326.61	1503.58	1654.41
19	Less Expenses Shared by ESCOMs	14.63	16.28	17.09	17.95	18.85	19.79
20	Less: KPTCL Portion of P&G Trust	0.05	0.07	0.07	0.08	0.08	0.09
21	Grand Total	720.19	904.43	1181.68	1308.58	1484.65	1634.54

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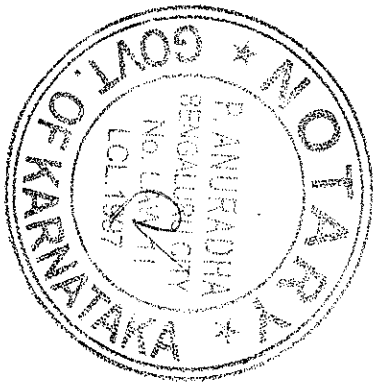
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Employees Costs - Additional information

Form T6 A

Sl No	Category of employee	2016-17 (Actual)			2017-18 (Actual)			2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)		
		Number		Cost	Number		Cost	Number		Cost	Number		Cost	Number		Cost	Number		Cost
		Sanct- ioned	Working	Rs in Crores	Sanct- ioned	Working	Rs in Crores	Sanct- ioned	Working	Rs in Crores	Sanct- ioned	Working	Rs in Crores	Sanct- ioned	Working	Rs in Crores	Sanct- ioned	Working	Rs in Crores
1	Board of directors	5	5	1.12	5	5	1.39	5	5	1.43	5	5	1.47	5	5	1.52	5	5	1.56
2	Chief Engineer & equivalents	16	15	7.22	16	15	8.77	16	16	11.16	16	16	12.13	16	16	13.70	16	16	14.91
3	Superintending Engineers & equivalents	54	39	11.29	57	36	13.72	57	57	17.46	57	57	18.97	57	57	21.42	57	57	23.32
4	Executive Engineers & equivalents	198	178	22.62	211	190	27.50	211	211	34.99	211	211	38.03	211	211	42.95	211	211	46.75
5	Asst Executive Engineers & equivalents	961	876	147.96	978	869	179.86	978	978	228.85	978	978	248.74	978	978	280.86	978	978	305.72
6	Asst Engineers & equivalents	1463	1099	64.71	1499	1367	78.67	1499	1499	100.09	1499	1499	108.79	1499	1499	122.84	1499	1499	133.71
7	All other staff	13398	7984	349.80	13668	7815	425.22	13668	8234	541.03	13668	9881	588.05	13668	10946	663.97	13668	11635	722.75
8	Terminal Benefits			115.19			168.89			242.22			287.73			332.50			380.68
9	Others			0.27			0.41			4.44			4.66			4.90			5.14
	Total	16095	10196	720.19	16434	10297	904.43	16434	11000	1181.68	16434	12647	1308.58	16434	13712	1484.65	16434	14401	1634.54
	Grand Total	16095	10196	720.19	16434	10297	904.43	16434	11000	1181.68	16434	12647	1308.58	16434	13712	1484.65	16434	14401	3269.08

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Administration and General Charges

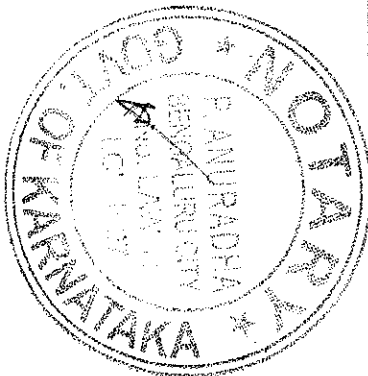
Form-T7

Rs. in Cr.

Sl No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Rents, Rates and Taxes	3.54	5.27	10.85	11.94	13.13	14.44
2	Security arrangements	4.34	5.79	7.76	8.54	9.39	10.33
3	Insurance	0.00	0.00				
	Service line charges paid to ESCOMS for obtaining power supply to KPTCL installations	0.00	0.00				
4	Telephone charges, postages, Telegram Telex Charges and Mobile Phones	4.28	3.86	4.92	5.41	5.95	6.55
5	V-sat, Internet and related charges	6.22	7.04	10.14	11.15	12.27	13.50
6	Legal charges	1.20	1.10	2.44	2.68	2.95	3.25
7	Audit Fee	0.23	0.22	0.47	0.52	0.57	0.63
8	Consultancy charges	0.64	0.49	0.53	0.58	0.64	0.71
9	Technical Fee	0.04	0.01	0.02	0.02	0.02	0.03
10	Other professional charges	11.77	13.72	19.14	21.05	23.16	25.48
11	Travelling expenses, Conveyance and vehicle hire charges	28.83	28.27	35.73	39.30	43.23	47.56
12	Sub-total	61.08	65.77	92.00	101.20	111.32	122.45
13	Other expenses						
a	Fees & subscription & License Fees	1.12	0.71	1.51	1.66	1.83	2.01
b	Books & periodicals	0.05	0.05	0.10	0.11	0.12	0.13
c	Computer Stationary	0.46	0.55	0.97	1.07	1.17	1.29
d	Printing & Stationery	1.74	1.68	2.69	2.96	3.25	3.58
e	Advertisements	4.11	5.64	6.29	6.92	7.61	8.37
f	Contribution/Donations	0.55	0.10	0.10	0.11	0.12	0.13
g	Electricity charges	17.45	17.29	23.07	25.38	27.91	30.71
h	Water charges	1.45	1.00	1.66	1.83	2.01	2.21
i	Entertainment	0.01	0.00	0.01	0.01	0.01	0.01
j	Misc expenditure	11.49	28.21	6.37	7.01	7.71	8.48
	Total other expenses	38.42	55.22	42.77	47.05	51.75	56.93
14	Freight & Other purchase related expenses	0.52	0.59	0.01	0.01	0.01	0.01
	GRAND TOTAL	100.03	121.58	134.78	148.26	163.08	179.39
	Less: Expenses shared by ESCOMs	8.83	8.49	8.93	9.37	9.84	10.33
	KPTCL Portion of P&G Trust	0.01	0.01	0.07	0.08	0.08	0.09
	Grand Total	91.19	113.08	125.86	138.89	153.24	169.06

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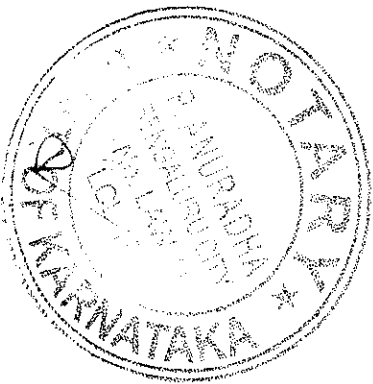


Rs. In Crore

Sl No	Particulars of assets	2016-17 (Actual)			2017-18 (Actual)			2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)			
		Balance at the beginning 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	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	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		0.62	(0.62)		1.17	(1.17)													
2.	Building and structures	152.32	17.24	0.63	170.19	18.50	(0.47)	188.22	20.87	0.53	208.57	23.17	0.54	231.20	26.89	0.56	257.53	30.13	0.57	287.09
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	3,002.13	357.05	(20.88)	3,338.30	377.91	(34.60)	3,681.61	465.39	20.78	4,126.22	516.67	21.40	4,621.49	599.45	22.04	5,198.90	671.86	22.70	5,848.06
4.	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA																			
5.	Towers, Poles, fixture, overhead conductors and devices	2,166.72	281.90	1.16	2,449.78	310.41	21.32	2,781.51	415.12	10.48	3,186.15	460.86	10.79	3,636.22	534.69	11.11	4,159.80	599.28	11.45	4,747.63
6.	Underground cables and devices																			
7.	Service lines																			
8.	Metering equipment																			
9.	Misc equipment																			
10.	Other items																			
a	Hydraulic Works	18.81	3.63	0.20	22.63	4.06	0.15	26.84	4.55	0.02	31.37	5.05	0.02	36.40	5.86	0.02	42.24	6.57	0.02	48.79
b	Other Civil Works	11.52	2.21	0.05	13.78	3.03	0.50	17.30	3.52	0.06	20.76	3.91	0.06	24.61	4.54	0.07	29.08	5.09	0.07	34.10
c	Vehicles	4.51	0.49	(0.21)	4.79	0.45	(0.19)	5.05	0.80	0.20	5.65	0.89	0.20	6.34	1.03	0.21	7.17	1.16	0.21	8.11
d	Furniture Fixtures	8.19	0.99	(0.05)	9.13	1.04	(0.03)	10.14	1.32	0.04	11.43	1.47	0.04	12.85	1.70	0.04	14.51	1.91	0.05	16.38
e	Office Equipments	2.12	0.20	(0.03)	2.30	0.20	(0.18)	2.33	0.28	0.19	2.42	0.32	0.19	2.55	0.37	0.20	2.72	0.41	0.20	2.92
	Grand Total	5,366.32	664.34	(19.76)	6,010.90	716.78	(14.68)	6,713.00	911.87	32.28	7,592.59	1,012.34	33.25	8,571.67	1,174.53	34.25	9,711.96	1,316.41	35.27	10,993.09
	Grand Total	5,366.32	664.34	(19.76)	6,010.90	716.78	(14.68)	6,713.00	911.87	32.28	7,592.59	1,012.34	33.25	8,571.67	1,174.53	34.25	9,711.96	1,316.41	35.27	10,993.09

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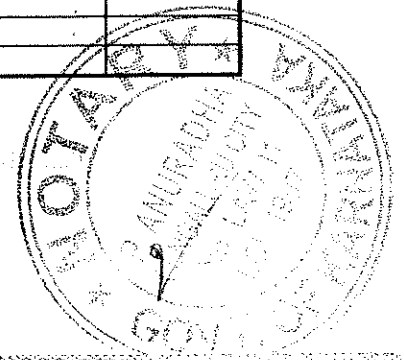
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
FORM - T 9A

Sale and Lease Back of Assets - Ensuing Year 2016-17 (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 2017-18 (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 2018-19 (RE)								
(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 2019-20 (Projection)								
(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 2020-21 (Projection)								
(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 (Projection)								
(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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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form T10

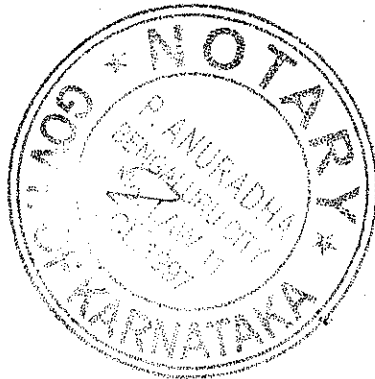
Details of Expenses Capitalised

Rs. in Crore

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Interest & Finance charges Capitalised	68.61	59.63	72.29	93.33	111.16	120.25
2	Other expenses capitalised:						
a	Employee Costs	33.64	30.76	32.30	33.91	35.61	37.39
b	Administration and General Expenses	-	8.10	8.51	8.93	9.38	9.85
c	Repairs and maintenance	-	0.70	0.74	0.77	0.81	0.85
d	Depreciation	0.57	0.54	0.57	0.60	0.63	0.66
e	Others, if any						
	Total of 2	34.21	40.10	42.11	44.21	46.42	48.74
	Grand Total	102.82	99.73	114.39	137.54	157.58	168.99

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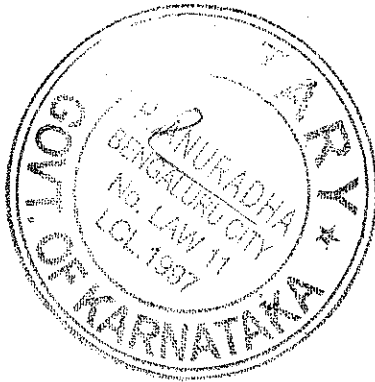
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Other Debits

FORM - T11

Rs. in Cr.

Sl No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Material Cost Variance						
2	Research & Development Expenses	0.04					
3	Cost of Trading & Manufacturing						
4	Bad & Doubtful Debts provided		2.32	2.55	2.81	3.09	3.40
5	Miscellaneous Losses & write off	10.06	0.71	0.78	0.86	0.94	1.04
6	Intangible assets written off						
7	Sundry Expenses written off						
8	Others	5.52	2.52	2.78	3.05	3.36	3.70
	Grand Total	15.62	5.55	6.11	6.72	7.39	8.13

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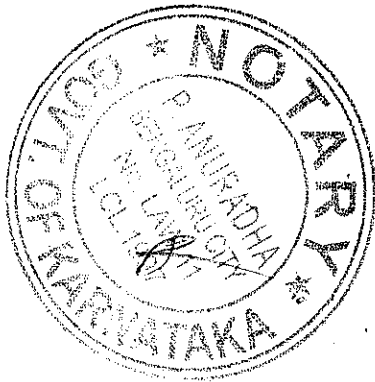
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Extraordinary items / Exceptional Items

FORM - T12

Rs. in Cr.

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
1	Extraordinary Credits(incl. subsidies aganst losses due to natural disasters	0.00					
	TOTAL CREDITS						
2	Extraordinary Debits / Exceptional Items	467.52					
	TOTAL DEBITS						
	Grand Total	467.52	0.00	0.00	0.00	0.00	0.00

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Net Prior Period Credit/(Charges)

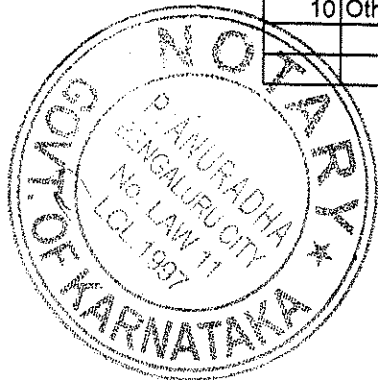
FORM - T13

Rs. in Cr.

SI No	Particulars	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
	Income relating to previous years:						
1	Interest income for prior periods	8.69	0.01				
2	Income Tax proir period						
3	Excess Provision for Depreciation	0.24	0.65				
4	Excess Provision for Interest and Fin. Charges						
5	Receipts from consumers						
6	Other Excess Provision						
7	Others Income	103.69	3.54				
	Total	112.62	4.20	-	-	-	-
	Expenditure relating to previous years						
1	Power Purchase						
2	Operating Expenses						
3	Excise Duty on generation						
4	Employee Cost	-0.01	-0.01				
5	Depreciation	-7.90	-19.80				
6	Interest and Finance Charges						
7	Admn. Expenses						
8	Withdrawal of Other Amounts credited to Misc. Rev.						
9	Material Related						
10	Other	-6.14	-0.08				
	Total	(14.05)	(19.89)	-	-	-	-
	Net prior period (Credit)/Charges	98.57	(15.69)	-	-	-	-

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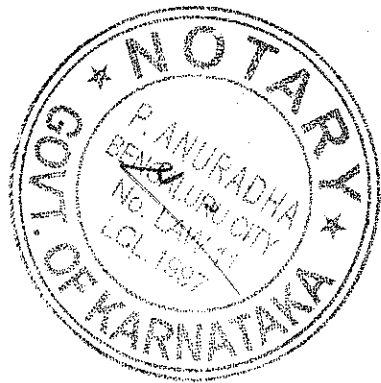
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
Contributions, Grants and Subsidies towards cost of Capital Assets

FORM - T14

Rs. in Cr.

Sl No	Particulars	2016-17 (Actual)			2017-18 (Actual)			2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)		
		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	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	362.84	45.61	408.45	408.45	230.67	639.12	639.12	50.17	689.29	689.29	55.19	744.47	744.47	60.71	805.18	805.18	66.78	871.96
	Subsidies towards cost of Capital Assets*																		
2	Grants towards cost of Capital Assets*																		
3	Others																		
4																			
	Grand Total	362.84	45.61	408.45	408.45	230.67	639.12	639.12	50.17	689.29	689.29	55.19	744.47	744.47	60.71	805.18	805.18	66.78	871.96

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED
GROSS FIXED ASSETS

FORM - T15

Rs. in Cr.

Sl.No	Particulars of assets	2016-17 (Actual)				2017-18 (Actual)				2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)		
		Balance at the beginning 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	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	Additions during the year	Retirement/ Adj. of assets during the year	Balance at the end of the year	
1.	Land and rights	194.42	88.42	-1.12	281.72	80.20	-2.63	359.30	18.01	0.00	377.31	59.83	0.00	437.14	70.56	0.00	507.70	46.30	0.00	554.00	
2.	Building and structures	523.78	40.85	1.73	566.36	45.78	-3.70	608.44	30.50	3.81	635.12	101.32	3.93	732.52	119.49	4.04	847.96	78.41	4.16	922.21	
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	7,414.55	433.16	(32.65)	7,815.06	707.94	-77.89	8,445.11	423.29	22.76	8,845.64	1406.31	23.45	10,228.50	1658.51	24.15	11,862.86	1088.27	24.87	12,926.26	
4.	Substation Transformers, Circuit breakers, other fixed apparatus of rating below 100 MVA.	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
5.	Towers, Poles, fixture, overhead conductors and devices	5,756.46	408.51	(1.74)	6,163.23	1458.57	32.46	7,654.26	383.65	17.00	8,020.92	1274.62	17.50	9,278.03	1503.20	18.03	10,763.20	986.36	18.57	11,730.99	
6.	Underground cables and devices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
7.	Service lines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
8.	Metering equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
9.	Misc equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
10.	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
a.	Hydraulic Works	66.32	6.97	0.52	73.82	8.54	1.56	83.92	4.21	1.61	86.52	13.97	1.66	98.84	16.48	1.70	113.61	10.81	1.76	122.67	
b.	Other Civil Works	61.28	11.57	(0.69)	72.15	23.38	7.14	102.68	5.15	1.24	106.59	17.10	1.27	122.42	20.17	1.31	141.27	13.23	1.35	153.15	
c.	Vehicles	8.41	0.21	(0.24)	8.38	0.07	-0.24	8.22	0.41	0.25	8.38	1.37	0.25	9.50	1.61	0.26	10.85	1.06	0.27	11.64	
d.	Furniture Fixtures	18.31	0.86	(0.05)	19.13	1.16	0.06	20.35	1.02	0.06	21.30	3.39	0.06	24.63	4.00	0.07	28.56	2.62	0.07	31.11	
e.	Office Equipments	4.35	0.07	(0.00)	4.42	0.18	-0.23	4.37	0.22	0.24	4.35	0.73	0.24	4.83	0.86	0.25	5.44	0.56	0.26	5.74	
	Intangible assets	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
	Grand Total	14,047.90	990.61	(34.24)	15,004.27	2,325.82	(43.46)	17,286.64	866.46	46.96	18,106.14	2,878.64	48.37	20,936.41	3,394.87	49.82	24,281.46	2,227.62	51.31	26,457.77	

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

FORM - T16

Rs. in Cr.

Sl No	Particulars of assets	2016-17 (Actual)			2017-18 (Actual)			2018-19 (RE)			2019-20 (Projection)			2020-21 (Projection)			2021-22 (Projection)			
		Balance at the beginning 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	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	Addition of assets during the year	Net Depreciation for the Year	Balance at the end of the year
1.	Land and rights	194.42	87.30	-	281.72	77.58	0.00	359.30	18.01	0.00	377.31	59.83	0.00	437.14	70.56	0.00	507.70	46.30	0.00	554.00
2.	Building and structures	371.46	42.58	17.87	396.17	42.08	18.03	420.22	26.69	20.35	426.55	97.39	22.63	501.31	115.45	26.33	590.43	74.24	29.56	635.11
3.	Plant and Machinery Substation Transformers, Circuit breakers, other fixed apparatus of rating 100 MVA and above.	4,412.43	400.50	336.17	4,476.76	630.05	343.31	4,763.50	400.53	444.62	4,719.41	1382.87	495.27	5,607.01	1634.36	577.41	6,663.96	1063.39	649.16	7,078.20
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	-	0.00	0.00	-
5.	Towers, Poles, fixture, overhead conductors and devices	3,589.75	406.77	283.06	3,713.46	1491.03	331.73	4,872.75	366.66	404.64	4,834.77	1257.11	450.07	5,641.82	1485.17	523.58	6,603.40	967.79	587.83	6,983.35
6.	Underground cables and devices	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Service lines	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	Metering equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
9.	Misc equipment	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
10.	Other items	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
a	Hydraulic Works	47.51	7.50	3.83	51.18	10.10	4.21	57.07	2.60	4.53	55.14	12.32	5.03	62.43	14.78	5.84	71.37	9.06	6.55	73.88
b	Other Civil Works	49.76	10.88	2.26	58.38	30.53	3.52	85.38	3.91	3.46	85.83	15.83	3.85	97.81	18.85	4.47	112.19	11.88	5.02	119.05
c	Vehicles	3.90	(0.03)	0.28	3.60	-0.17	0.26	3.17	0.16	0.61	2.73	1.11	0.69	3.15	1.35	0.83	3.68	0.79	0.94	3.52
d	Furniture Fixtures	10.12	0.81	0.94	10.00	1.22	1.01	10.20	0.96	1.28	9.88	3.32	1.43	11.78	3.93	1.66	14.05	2.55	1.86	14.74
e	Office Equipments	2.23	0.07	0.18	2.12	-0.05	0.02	2.04	-0.02	0.10	1.92	0.48	0.12	2.28	0.61	0.17	2.72	0.30	0.21	2.82
	Grand Total	8,681.58	956.37	644.58	8,993.37	2,282.37	702.10	10,573.63	819.50	879.59	10,513.55	2,830.27	979.09	12,364.73	3,345.05	1,140.29	14,569.50	2,176.31	1,281.13	15,464.67

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FORM - T17

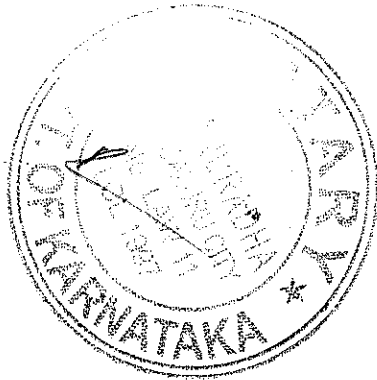
Work-in-Progress

Rs. in Cr.

Description	2016-17 (Actual)	2017-18 (Actual)	2018-19 (RE)	2019-20 (Projection)	2020-21 (Projection)	2021-22 (Projection)
Opening balance	2,306.08	3,162.16	3,032.92	5,109.47	5,438.80	5,313.58
Add:						
i) Capital expenditure	1599.14	1725.53	2828.61	3070.43	3112.07	3118.78
ii) Interest & Finance charges capitalised	68.61	59.63	72.29	93.33	111.16	120.25
iii) Other expenses capitalised	34.21	40.10	42.11	44.21	46.42	48.74
Total capital expenditure for the year	1701.96	1825.26	2943.00	3207.97	3269.65	3287.77
Less: Expenditure Capitalised (Transferred to Form-T15/D15)	990.61	2325.82	866.46	2878.64	3394.87	2227.62
Other Adjustments	144.74	371.32				
Closing Balance	3,162.16	3,032.92	5,109.47	5,438.80	5,313.58	6,373.73

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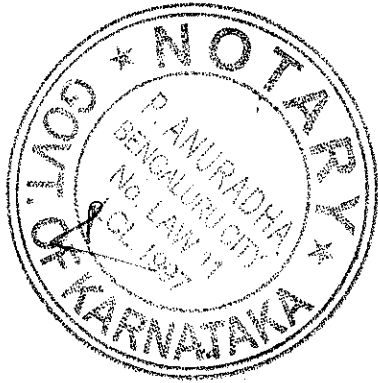
Form-T18

Receivables against Sale of Power

DEMAND, COLLECTION AND BALANCE OF REVENUE FOR THE YEAR 2017-18 (Actual)

(Rs in Crs)

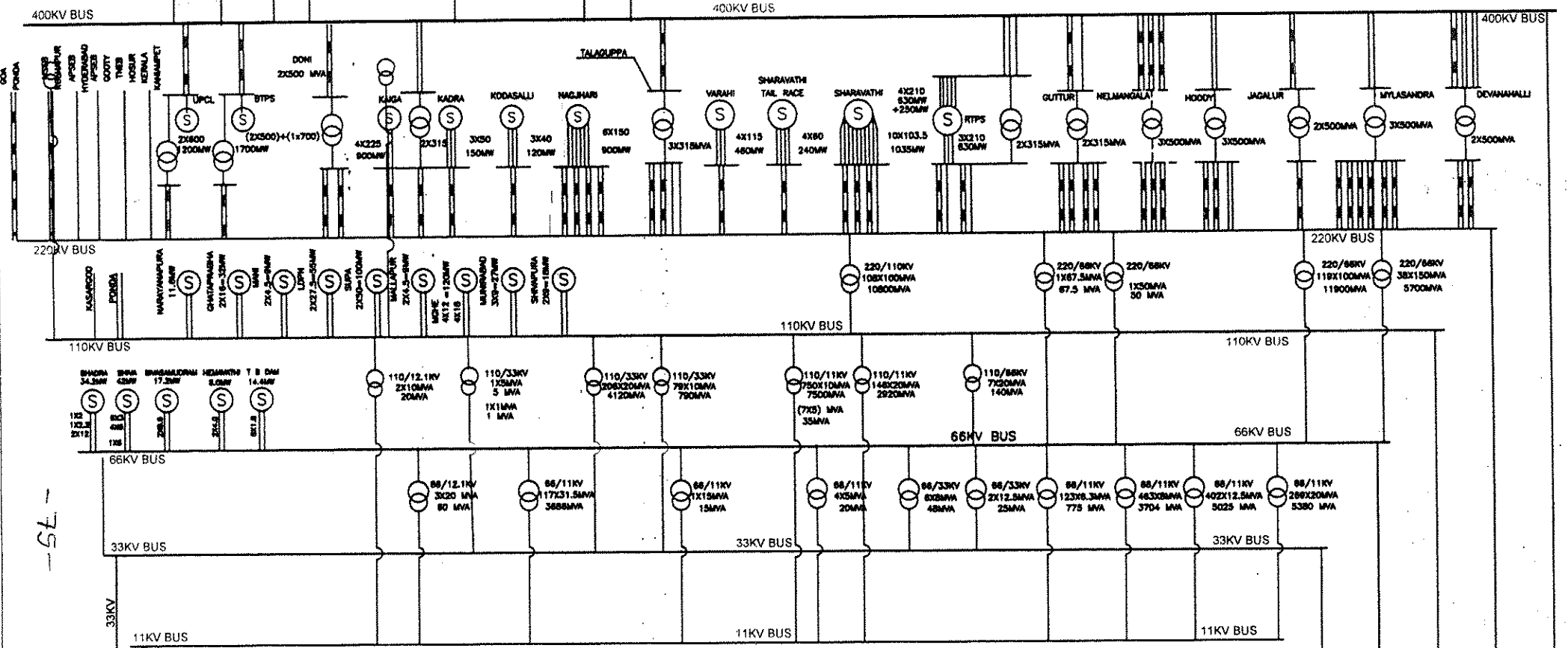
SL NO	NAME OF Company	OPENING BALANCE		FOR THE YEAR						CLOSING BALANCE	
		PRINCIPAL	INTEREST	DEMAND		COLLECTION		COLLECTION %		PRINCIPAL	INTEREST
				PRINCIPAL	INTEREST	PRINCIPAL	INTEREST	PRINCIPAL	INTEREST		
1	Bescom	97.42		1347.80		1333.19		99%		112.03	
2	Mescom	39.93		216.20		222.74		103%		33.39	
3	CESC	97.14		301.47		313.63		104%		84.99	
4	Hescom	213.10		535.48		439.43		82%		309.15	
5	Gescom	137.85		352.75		405.30		115%		85.29	
7	Grand Total	585.44		2753.70		2714.29		99%		624.85	



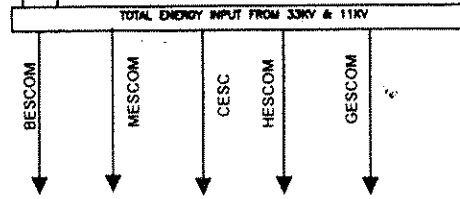
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ENERGY FLOW DIAGRAM FOR TRANSMISSION LOSSES (2019-20) Provisional

INPUT ENERGY IN KPTCL GRID = 71025 MU
ENERGY AT INTERFACE POINT = 68759 MU
PERCENTAGE TRANS LOSSES = 3.19%

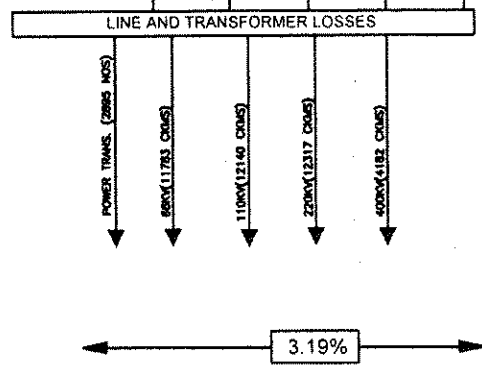
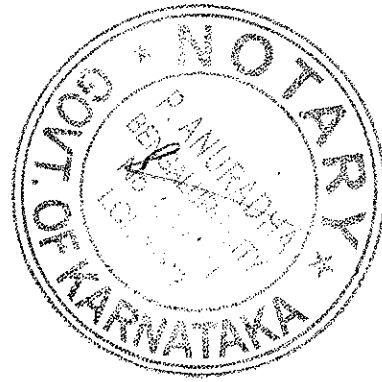


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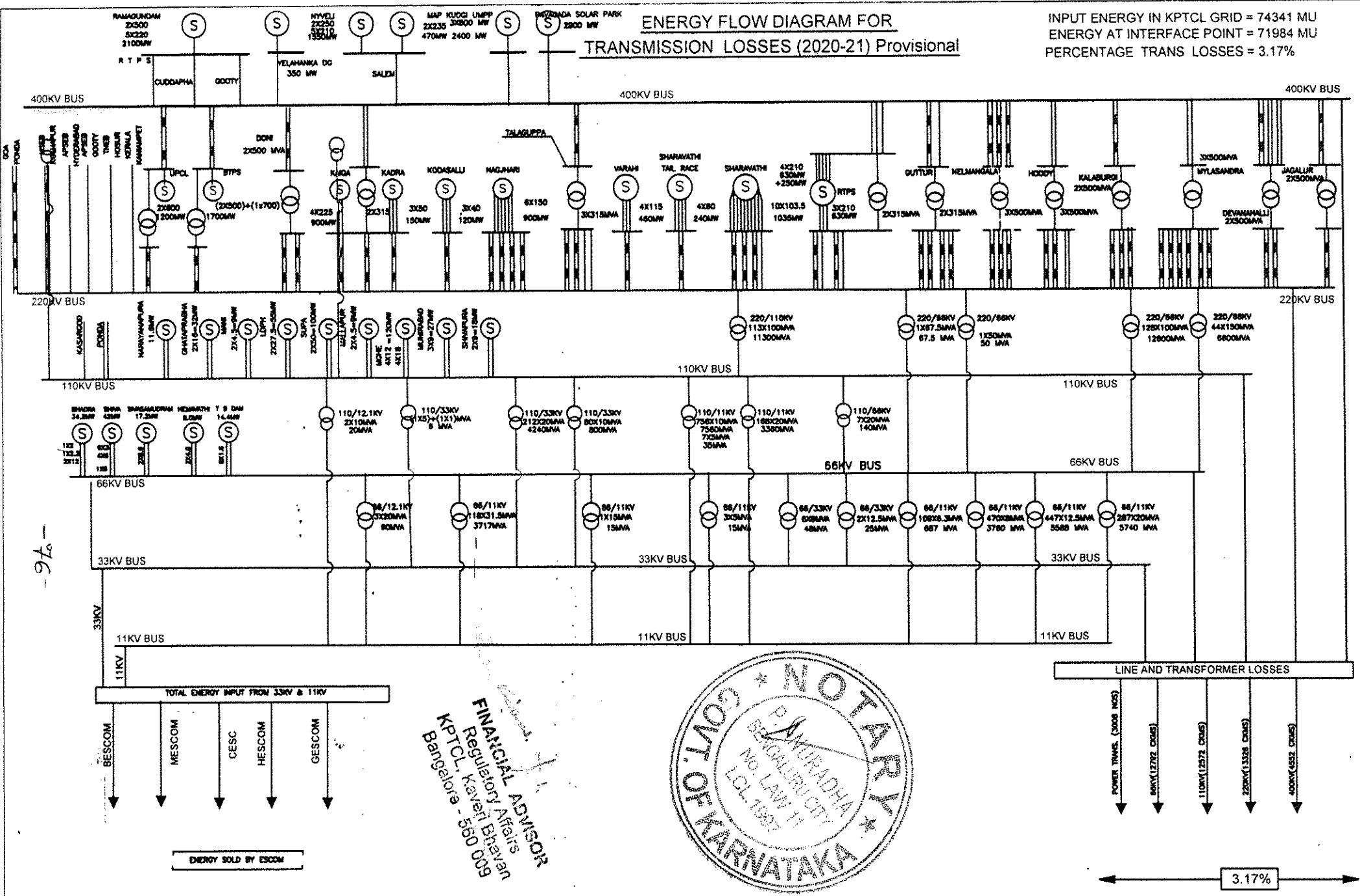
ENERGY SOLD BY ESCOM

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ENERGY FLOW DIAGRAM FOR TRANSMISSION LOSSES (2020-21) Provisional

INPUT ENERGY IN KPTCL GRID = 74341 MU
ENERGY AT INTERFACE POINT = 71984 MU
PERCENTAGE TRANS LOSSES = 3.17%

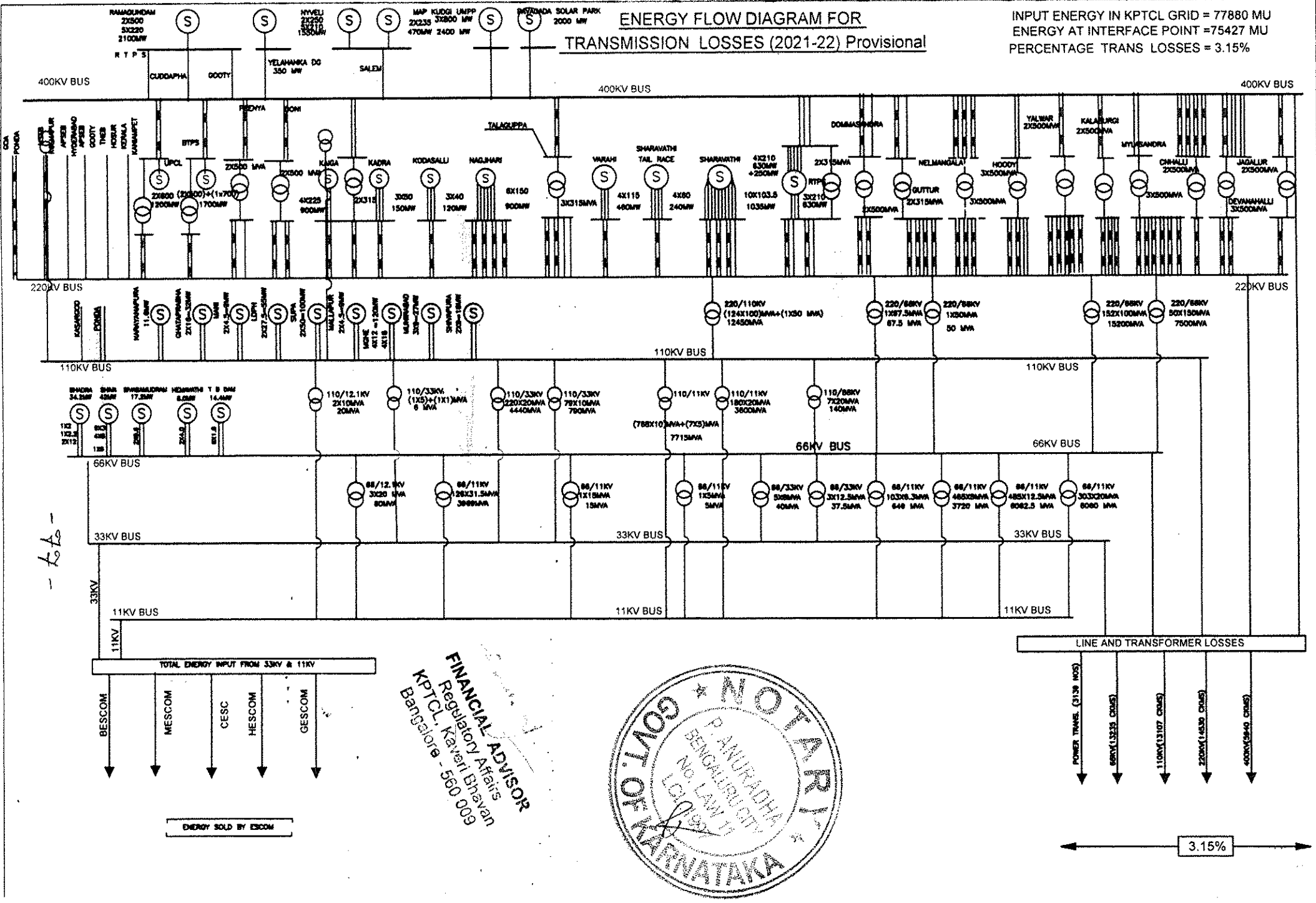


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ENERGY FLOW DIAGRAM FOR TRANSMISSION LOSSES (2021-22) Provisional

INPUT ENERGY IN KPTCL GRID = 77880 MU
ENERGY AT INTERFACE POINT = 75427 MU
PERCENTAGE TRANS LOSSES = 3.15%



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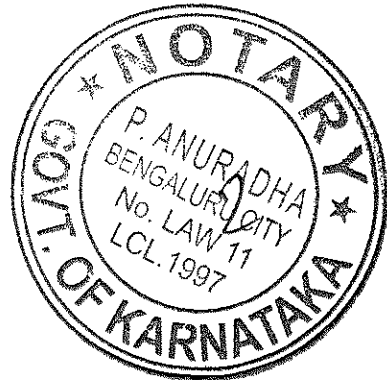
KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Existing and Proposed Tariffs

Form-T20

Sl. No	ESCOM's	Existing Tariffs FY 2018-19		Proposed Tariffs FY 2019-20		Proposed Tariffs FY 2020-21		Proposed Tariffs FY2021-22	
		Transmission Charges Rs/ MW / Month	Energy Charges	Transmission Charges Rs/ MW / Month	Energy Charges	Transmission Charges Rs/ MW / Month	Energy Charges	Transmission Charges Rs/ MW / Month	Energy Charges
1	BESCOM	115776		161766		157698		155045	
2	MESCOM	115776	NA	161766	NA	157698	NA	155045	NA
3	CESC	115776		161766		157698		155045	
4	HESCOM	115776		161766		157698		155045	
5	GESCOM	115776		161766		157698		155045	
	GRAND TOTAL	115776		161766		157698		155045	

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[Signature]
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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

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.	TOTAL AMT (RS.Cr.)		
1	BESCOM													
2	MESCOM													
3	HESCOM													
4	GESCOM							Not Applicable						
5	Hukerii Rural Electrical Cooperative Society													
GRAND TOTAL		-					-					-		

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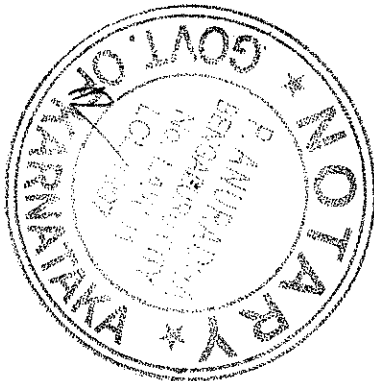
Form-T22

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						
		CESC	Not Applicable					
3		HESCOM						
4		GESCOM						
5		Hukerii Rural Electrical Cooperative Society						
		GRAND TOTAL						

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KARNATAKA POWER TRANSMISSION CORPORATION LIMITED

Form-T23

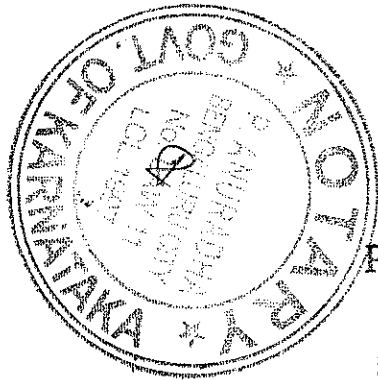
Embedded cost of service of supply of electricity

(Rs. in Crs)

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

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"ATTESTED BY ME"

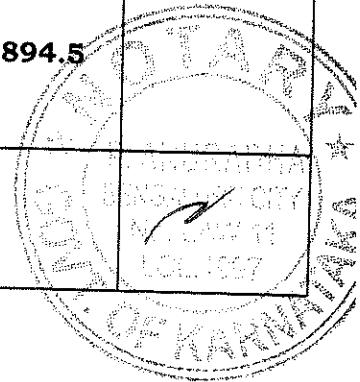
P. Anuradha
P. ANURADHA, M.A., M.L., M.Phil.
ADVOCATE & NOTARY PUBLIC
702, 'Akshaya Lakshmi Nilaya'
5th Block (Matkal Palya), Banashankari 6th Stage
Kengeri Hobli, Vidyapeeta Post, Bangalore - 560 080

CAPITAL EXPENDITURE PROGRAMME FOR 2018-19, 2019-20, 2020-21 & 2021-22

Rs.in Lakhs

Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
1	Samanduru : a) Establishing 2x8MVA, 66/11kV Sub-Station. b) laying of 3cx300 Sqmm UG Cable from Anekal S/s to Samanduru s/S for a Route length of 8.64 Kms.	Bengaluru	Bengaluru Urban	2939.0	1500.0	416.0	
2	Koramangala: Establishing 220/66/11kV GIS substation at Kormangala with 220 kV 1000 sqmm LILO UG cable from existing HSR-NIMHANS UG cable with associated 66kV lines.	Bengaluru	Bengaluru Urban	18047.9	3666.0		
3	ITI : Establishing 2x150 MVA, 220/66/11kV GIS substation at ITI with 220kV DC 1200 sq mm Copper single core XLPE UG cable from existing Hoody-Hebbal for a route length of 2.607Kms along with associated 66kV line.	Bengaluru	Bengaluru Urban	19711.2	3533.6		
4	Brindavan alloys: Establishing 220/66/11kV GIS Sub-station along with construction of 220kV DC line for a distance of 0.52 kms	Bengaluru	Bengaluru Urban	10570.2	7999.2	1071.1	
5	Kumbalgodu: Establishing 2x150MVA, 220/66/11 kV sub-satation at Kumbalagodu with 220kv 1200sqmm UG Cable between 400/220kv Bidadi and Vrishabhavathi Valley	Bengaluru	Bengaluru Urban	48981.5	20087.0	18894.5	
6	Hulimangala : Establishing 2x12.5MVA, 66/11kV Keonics (Electronic City) Sub-Station for a route length of 3.789Kms	Bengaluru	Bengaluru Urban	3474.1	474.1		

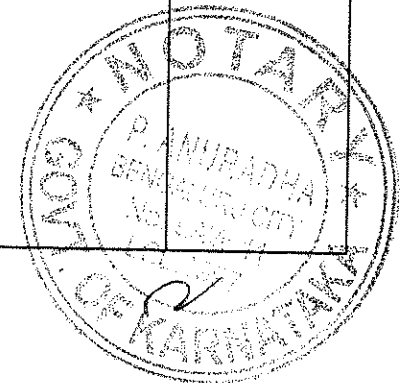
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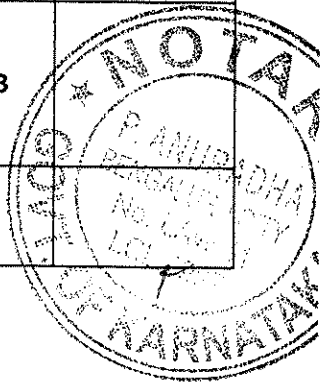
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
7	Huskuru : Establishing 2x12.5MVA, 66/11kV Sub-Station with Cable from existing 66/11 KV Malgudi(Electronic City sector -II, Phase -II) Substation for a Route length of 6.885Kms.	Bengaluru	Bengaluru Urban	5038.2	3526.7	1506.5	
8	Kumbaranahalli : Establishing 2X12.5MVA, 66/11kV Power Transformer at Kumbaranahalli	Bengaluru	Bengaluru Urban	694.6			
9	Mylasandra (Near Electronic City) : Establishing 3 X 500 MVA, 400/220kV GIS Sub-Station at Mylasandra (Near Electronic City) in Bengaluru South Taluk, Bengaluru Urban District along with associated transmission lines and providing additional terminal bays (3 Nos) at 220/66/11Kv S/s at Yerandanahalli (Short closed work code AA1043)	Bengaluru	Bengaluru Urban	44017.6	23811.6	10205.0	
10	Hoskote: a) Establishing 2x100MVA, 220/66kV Station with 220/66kV MC line from BIAL with 220kV TB at BIAL b) Hoskote 220KV LILO line from Hoody-Kolar line c) 66KV SC line from Hoskote to Mandur, Pillaguppa-sulibele line to Nandagudi, 66 kV TB at Nandagudi & BIAL d) Hoskote to Tower no5 of existing Pillagumpa-Sulibele 66kV line and Tower no5 of existing Pillagumpa-Sulibele 66kV line to Hoskote s/s 1) 21.03 Kms 2) 13.12 Kms 3) 10.25 Kms 4) 10.28 Kms.	Bengaluru	Bengaluru Rural	7475.5	538.7		

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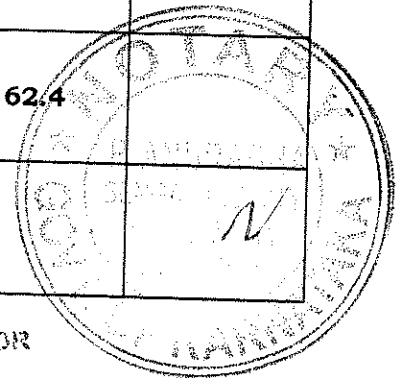
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
11	Dobbaspeta (Nelamangala): a) Establishing 2x100MVA, 220/66kV Station with 220kV LILO of Kadur - Nelamangala b) 66kV lines to Nelamangala & Kolala Sub-Station upto loc 65 c) Construction of 66kV SC line on DC towers from Dabaspeta to Kolala from location 66 to 99 for a distance of 5.856 kms	Bengaluru	Bengaluru Rural	5416.9	758.4		
12	Mandur: Establishing 1x12.5MVA, 66/11kV Sub-Station with 66kV D/C line from Budigere for a distance of 9.00 Km.	Bengaluru	Bengaluru Rural	615.1			
13	Sondekoppa: Establishing 2x8MVA, 66/11kV Sub-Station with 66kV tap from Dobbaspeta - Nelamangala SBT line for a distance of 12.50 Kms.	Bengaluru	Bengaluru Rural	824.3	101.7		
14	Devanahalli Hardware Park: Establishing 2 X 500 MVA, 400/220kV Sub-Station (400KV GIS & 220KV AIS) at KIADB Hardware Park, Devanahalli, Bengaluru Rural District and also for creation of required 220kV Terminal Bays at the receiving 220/66kV sub-stations for evacuation of power.	Bengaluru	Bangalore Rural	43939.5	20000.0	15934.3	
15	Channapatna: Establishing 1x100 MVA, 220/66/11KV Sub-station (220kV- Partial Hybrid/ Partial AIS, 66kV AIS) in the premises of existing 66/11kV Sub station Channapatna, Ramanagara District.	Bengaluru	Ramanagara	8910.9	3437.6	1473.3	
16	Uragahalli: Establishing 2x8MVA, 66/11kV Sub-Station with associated line.	Bengaluru	Ramanagara	1193.1	555.2	237.9	



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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
17	Kunur: Establishing 1x12.5MVA, 66/11kV S/s at Kunur	Bengaluru	Ramanagara	703.8	317.6	136.1	
18	T.Gollahalli (Thimmasandra) Establishing 2x100MVA, 220/66/11kV and 1x12.5MVA 66/11kV Station with associated lines for a distance of 220kV 27.269 Kms & 66kV (5.828+10.93+12.28)Kms	Bengaluru	Kolar	9579.2	3000.0	161.5	
19	Tavarekere: Replacing 2x8MVA, 66/11kV by 2x20MVA, 66/11kV Transformer	Bengaluru	Bengaluru Urban	432.9	252.0		
20	Nelamangala 400kV: Providing additional 3rd 500MVA, 400/220kV three phase Power ICT with associated equipments for a distance of 3.06 kms	Bengaluru	Bengaluru Rural	4177.1	123.3		
21	Thyamagondlu: Replacing 2x8MVA, 66/11kV by 2x20MVA, 66/11kV Transformers	Bengaluru	Bengaluru Rural	415.1	227.1		
22	Hebbal-ITI: Replacing Coyote ACSR by HTLS Conductor from the existing 66kV line for a distance of 14.334 Kms.	Bengaluru	Bengaluru Urban	1679.1	350.0	94.6	
23	BIAL toVidyanagar: Running 66kV SC 1000Sq mm XPLE copper UG Cable for a route length 9.5 Kms from 220/66/11kV Sub-station to 66/11kV Vidyanagar S/s	Bengaluru	Bengaluru Urban	5947.0	800.0	27.8	
24	EPIP & Yerandanahalli: Strengthening of existing 66 kV line between EPIP & Yerandanahalli sub-station by replacing Coyote by Drake ACSR	Bengaluru	Bengaluru Urban	2177.3	300.0	62.4	
25	Somanahally to Kolar via Malur: Construction of 220kV DC line (balance works).	Bengaluru	Bengaluru Rural	2739.1	500.0		

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
26	T.K Halli to Iggalur: Construction of 66kV DC line for a distance of 9.924Kms from 220/66/11kV T.K.Halli Station to 66kV Iggalur Tap point in the existing corridor of 66kV T.K Halli-Akkurmole SC line and Providing 66kV TB's at T.K Halli	Bengaluru	Ramanagara	326.3	54.8		
27	Peenya : R & M works at Peenya 220/66kV Station.	Bengaluru	Bengaluru Urban	4093.4	500.0	143.2	
28	SRS Hoody : R & M Works at SRS Hoody 220/66kV Station	Bengaluru	Bengaluru Urban	2452.9	250.0	259.4	
29	400kV R/S Hoody: Providing 63MVAR Bus Reactor at 400/220kV Station.	Bengaluru	Bengaluru Urban	726.2	258.4		
30	Singanayakanahalli: Construction of 4Nos of 220kV Bays for KPTCL lines.	Bengaluru	Bengaluru Urban	761.9	14.6		
31	Somanahalli: R&M works at Somanahalli 220/66kV Station	Bengaluru	Bengaluru Urban	2016.7	204.7		
32	Nelamangala: Providing 63MVAR Bus Reactor at 400/220kV Station.	Bengaluru	Bengaluru Rural	641.7	238.8		
33	KIADB DB Pura: R & M works at 220/66kV KIADB DB Pura Station for a distance of 0.56	Bengaluru	Bengaluru Rural	3072.7	352.3		

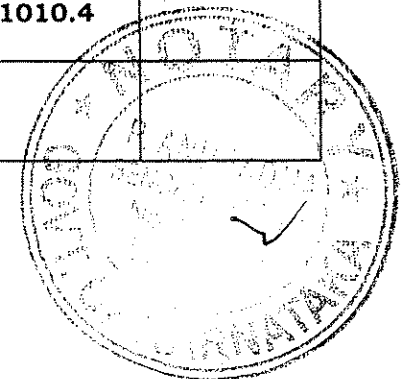
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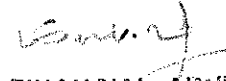
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
34	Pavagada: Establishing 2x100MVA, 220/66kV Station with associated lines for a distance of 120.00 Kms.	Tumakuru	Tumakuru	9473.4	773.2		
35	Thippur: Establishing 1 x 8 MVA 66/11 KV S/S with associated line	Tumakuru	Tumakuru	541.1	49.6		
36	Benkikere (Channagiri): Establishing 2x100MVA, 220/66kV Station with associated 220kV line for a distance of 47.43Kms	Tumakuru	Davanagere	9764.0	485.4		
37	Jagalur (Hiremallaahole): a) Establishing 2x500MVA, 400/220 KV partly GIS S/S i.e., 400kV GIS and 220kV AIS with associated 400kV lines. b) 220kV DC Line to Thallak, Chitradurga & Kudligi along with 220kv TB's	Tumakuru	Davanagere	28440.5	1584.9		
38	Nallur : Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Tumakuru	Davanagere	557.3	307.3		
39	Malladihalli : Establishing 2x8MVA, 66/11kV Sub-Station with associated line for a distance of 11.467 Kms.	Tumakuru	Chitradurga	702.8			
40	Visveswarapura: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Tumakuru	Chitradurga	549.1	249.1		
41	Hosadurga: Establishing 2x100MVA, 220/66 KV S/s with associated 220kV & 66kV lines	Tumakuru	Chitradurga	10034.8	5024.3	1010.4	
42	Halukurke: Providing Additional 1x10 MVA, 110/11 kV Power Transformer at 110/11kV Station.	Tumakuru	Tumakuru	308.5	170.3		

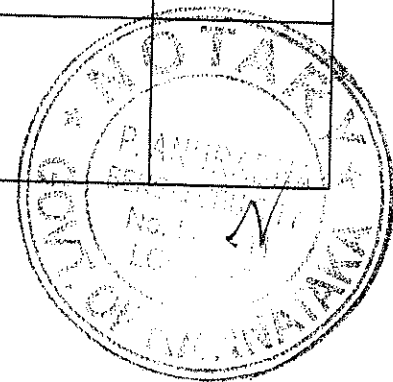
37

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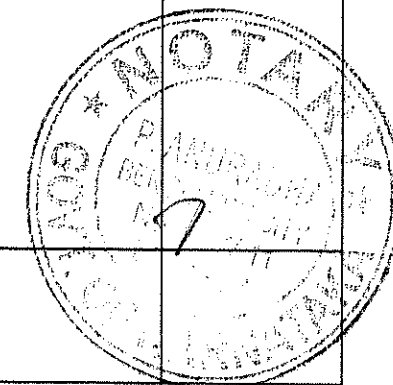


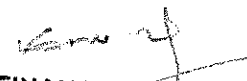
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
43	Davanagere: Replacing 2x60MVA, 220/66kV by 2x100MVA, 220/66kV transformers	Tumakuru	Davanagere	1298.4	700.0	432.9	
44	Antharsanahally - Chelur tap point - Sira: Construction of (a) 66kV MC line from Antharsana hally to Chelur tap point b) 66kV MC line from Chelur tap point to Sira (partly on DC) c) Providing 66kV TBs at 66kV Sira & Antharsana hally for above lines for a distance of 52.00 Kms.	Tumakuru	Tumakuru	3504.1	53.6	23.0	
45	Kibbanhalli - CN Hally - Huliya : Construction of 110kV DC line in the new corridor from 220kV K.B.Cross to Thimmanahally tapping point for a distance of 26.00 Kms.	Tumakuru	Tumakuru	975.5	121.1		
46	Nagalamadike : Construction of new 66kV SC tap line on DC towers from Pavagada tapping point to Nagalamadike S/ S (Replacement of Rabbit conductor on RCC poles) for a distance of 13.46Kms.	Tumakuru	Tumakuru	197.1	108.4	46.4	
47	Shylapura - Y. N. Hosakote: Construction of new 66kV SC line on DC towers (Replacement of Rabbit conductor on RCC poles by Coyote conductor on 17.24 Kms.	Tumakuru	Tumakuru	265.0	134.7	57.7	
48	Vasanthanarasapura to Madhugiri: Construction of 220kV DC line with Moose ACSR from PGCIL Station at Vasanthanarasapura to existing 220kV station at Madhugiri along with terminal bays for a distance of 44.481KMS.	Tumakuru	Tumakuru	7945.9	308.1		


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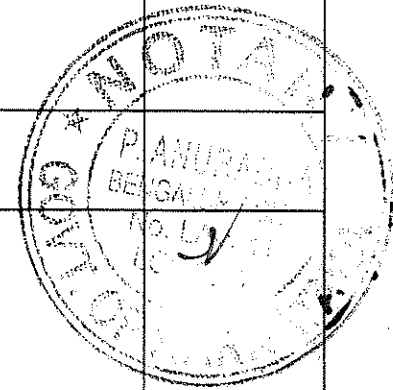



Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
49	400 KV BTPS from Rampura Limts to Chikkanayakanahalli: a) Construction of 400 KV Quad Moose DC Line from 400 KV Rampura Limits to Jagaluru Limits for 65Kms b) Construction of 400 KV Quad Moose DC Line from 400 KV Jagaluru Limits to Chikkanakanahalli for 123.69Kms	Tumakuru	Tumakuru	55124.3	5000.0	17500.0	9800.0
50	HAL Project: a) Construction of 220/220KV MC line for Shifting of Existing 220KV B1,B2 & B3,B4 Lines at proposed HALpremises b) Construction of 110KV D/C line with NBT for the shifting of existing 110KV S/C Nittur-Doddaguni line at Prposed HAL premises near Bidarehalli Kaval village limits in Gubbi taluk in Tumakuru District.	Tumakuru	Tumakuru	6925.3	1054.5		
51	Davanagere - Chitradurga No. 1 : Re-construction of 66kV S/C line on D/C towers in the existing corridor for a distance of 55.70 Kms.	Tumakuru	Davanagere	570.2	0.1		
52	Davanagere - Chitradurga No. 2: Re-construction of 66kV S/C line on D/C towers in the existing corridor for a distance of 53.84 Kms.	Tumakuru	Davanagere	455.1	1.0		
53	Davanagere to Harapanahalli: Construction of new 66kV.SC line on DC towers for a distance of 45.40 kms.	Tumakuru	Davanagere	955.3	100.0	11.8	




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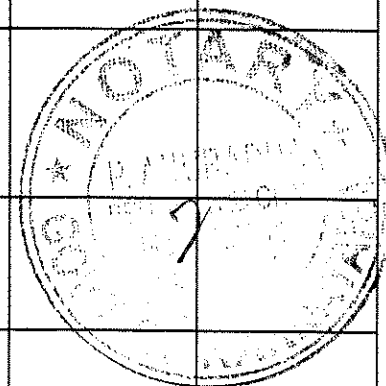
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
54	Tallak: Construction of Balance 220kV DC line from LILO Point of 220kV Hiriyur-Chitradurga to 400/220kV PGCIL Hiriyur station for a distance of 20.90 kms	Tumakuru	Chitradurga	6394.5	500.0	166.0	
55	Pandarahalli - Holalkere: Construction of 66kV DC line in the existing corridor of 66kV S/C line with TBs for a distance of 25.34 Kms.	Tumakuru	Chitradurga	646.0	133.8	57.3	
56	Providing 12.1kV 2.9MVAR Capacitor Banks and Other allied equipments to 57 Nos of existing KPTCL Sub-station in the jurisdiction of Tumakuru Transmission Zone	Tumakuru	Tumakuru	1600.0	453.8		
57	Renovation and Up gradation of Protection systems of 220kV substations(11 Nos) & 400kV Sub-stations(1 No) in Tumakuru Transmission Zone	Tumakuru	Tumakuru	1505.5	398.9		
58	Shettihalli: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 2.34 Kms.	Hassana	Hassana	416.5	87.9		
59	Rudrapatna: Establishing 1 X 8 MVA ,66/11 KV S/S at Rudrapatna in Arkalgud Tq, Hassana Dist with construction of 66kV SC line on DC towers for a route length of 4.8Kms to tap the existing 66kV Ramanathapura-Kushalanagar SC line to the proposed 66/11kV Rudrapatna S/S.	Hassana	Hassana	559.0	259.0		
60	Jeppu: Establishing 1x20MVA, 110/33kV & 2x10MVA, 110/11kV Sub-Station with LILO of Kulashhekar - Konaje line for a distance of 10.00 Kms.	Hassana	Dakshina Kannada	1337.8	224.5	96.2	




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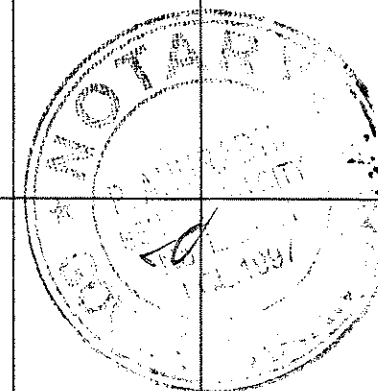
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
61	Karaya: Establishing 2x10MVA, 110/11kV Sub-Station with SC line from VIT College for a distance of 15.00 Kms.	Hassana	Dakshina Kannada	1574.1	147.2		
62	Mulky: Up-grading 2x5MVA, 33/11kV MUSS to 1x10MVA, 110/11kV Sub-Station with SC line from Nandikur for a distance of 11.00 Kms.	Hassana	Dakshina Kannada	741.8	198.5	85.1	
63	Madavu: Establishing 2x20MVA, 110/33-11kV & 1x10MVA, 110/11kV Sub-Station with 110kV line from Puttur. 220kV Station for a distance of 27.00 Kms.	Hassana	Dakshina Kannada	2550.8	321.8		
64	Mangalore SEZ: Establishing 2x100MVA, 220/110kV and 2x20MVA, 110/11kV Station at MSEZ near Bajpe in Mangalore taluk along with associated lines for a distance of 6.854Kms	Hassana	Dakshina Kannada	3855.6	34.6		
65	Konandur: Establishing 1x10MVA, 110/11kV Sub-Station with associated 110kV V3 line for a distance of 11.83 Kms.	Hassana	Shimoga	1027.5			
66	Santhekadur: Establishing 1x8MVA, 66/11kV Sub-Station at Santhekadur in Shivamogga Tq & Dist with construction of 66kV SC line on DC towers from the existing 66kV Bhadra-MRS Shivamogga line to the proposed S/S at Santhekadur for a dist of 0.095Kms.	Hassana	Shimoga	422.1	122.1		


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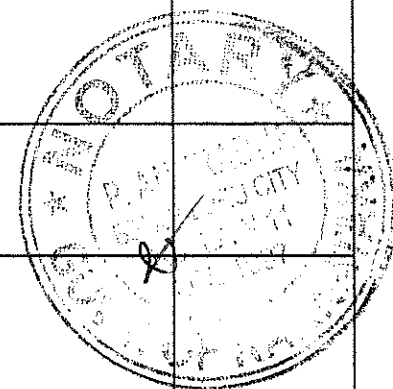
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
67	Kortigere: Establishing 1x10MVA, 110/11kV Sub-Station at Koratigere in Shikaripura Tq , Shivamogga Dist with construction of 110kV SC line on DC Towers from 110kV Balligavi (Shiralkoppa)- Bharangi line near Bilki Village limits to the proposed S/S at Koratigere for a dist of 7.139Kms	Hassana	Shimoga	683.8	383.8		
68	McGann Hospital; Establishing 1x10MVA,110/11KV S/S at McGann Hospital premises in Shivamogga Dist with running of 110kV , 240Sqmm XLPE Copper U.G.Cable single circuit with one spare cable (4Runs) for a dist of 2.123Kms from 110/11kV Alkola S/S to the proposed 110/11kV S/S MC Gann Hospital with construction of 1No of TB at Alkola S/S .	Hassana	Shimoga	1540.2	540.2		
69	Chikkamagalur: Part A Establishing 2 x 100MVA, 220/66KV Substation & 1 x 12.5 MVA 66/11 KV Sub Station at Chikkamagalur and Construction of 220KV DC line for a length of 28.55 Kms from 220KV Shimoga-Mysuru DC line to the proposed 220/66KV S/S at Chikkamagalur on PTK Basis Part B Construction of 66KV Evacuation lines from the proposed 220KV Station at Chikkamagalur 1) Chikkamagalur to Hassana DC line: 0.6 Kms 2) Chikkamagalur MC line : 0.74Kms 3) 66KV DC line from proposed 66KV MC line to Balehonnur (Mattavara Limits): 7.8 Kms	Hassana	Chikkamagaluru	5286.7	839.1		




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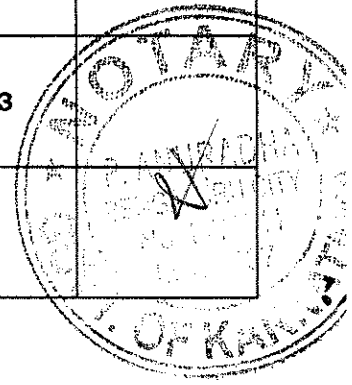
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
70	Yemmedoddi: Establishing 2x10MVA, 110/11kV Sub-Station at Yemmedoddi in Kadur Tq, Chikkamagalur Dist with construction of 110kV SC tap line on DC towers from existing 110kV Kadur-Nagenahalli SC line to the proposed 110/11kV Yemmedoddi S/S for a dist of 8.731Kms	Hassana	Chikkamagaluru	1104.3	353.0	151.3	
71	Netlamadnur 220kV R/S: Additional existing 1x10MVA, 110/11kV Power Transformer by 1x20MVA, 110/11kV Power Transformer at existing 220/110/33/11kV Netlamudnur S/S	Hassana	Dakshina Kannada	164.6	3.3		
72	Vittla: Replacing 1x10MVA, 110/11kV & 1x10MVA, 110/12.1kV Power Transformer by 2x20MVA, 110/11kV Power Transformer at Vittla S/s.	Hassana	Dakshina Kannada	482.0	303.5		
73	Hassana: a) Re-orientation of 220kV & 66kV lines from Hassana 220kV Station. b) Shifting of 220kV B-4 LILO line passing through Airport Land near Bhoovanahalli Cross. c) Providing 2Nos of 66kV TB's for C R Patna 66kV DC line at 220kV/66KV R/S Hassana for a distance of 66kV 7.8/220kV 17.68Kms	Hassana	Hassana	1850.2	573.8		



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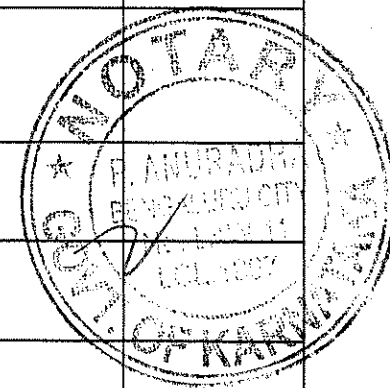
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
74	Shanthigrama: Construction of 1) 2 Nos of 220kV DC lines from 400KV PGCIL Station to LILO the existing Shimoga-Mysore 220KV DC M1& M2 lines near Melgodu limits-7.14 Kms 2) 220KV DC line from Shanthigrama Station to existing B4 line near Hedanahalli limits-7.76 Kms.	Hassana	Hassana	1122.1	300.0	44.9	
75	Kavoor - Kulashekar: Construction of 110kV DC line from Kavoor to Kulashekar in the existing 33kV line corridor for a distance of 8.50 Kms and along with TBs	Hassana	Dakshina Kannada	917.4	100.0	331.9	
76	Puttur: Construction of 110-110kV MC and 110kV DC lines from loc no.28 (Kabaka Railway Crossing limits) to the 110/33/11kV Puttur S/S for a dist of 4.5Kms & Construction of 2nos of 110kV TBs at 110/33/11kV Puttur S/S for a distance of 4.5 Kms	Hassana	Dakshina Kannada	439.5	100.0	60.0	
77	Kavoor-Baikampady: Strengthening of 110kV-Kavoor-Baikampady line converting SC line by DC line with TB at Kavoor for a distance of 3.885 Kms	Hassana	Dakshina Kannada	358.1	100.0	76.3	
78	Brahmavara-Nittur: Stringing 2nd circuit in the existing 110kV Brahmavara-Nittur line and creating 110kV TB at Brahmavara & Nittur Sub-Stations.	Hassana	Udupi	169.6	63.8		

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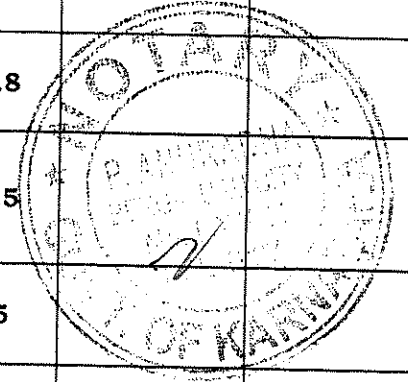
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
79	MRS to Lingadahalli: Construction of new 66kV SC line on DC towers for a distance of 46.039Kms in the existing corridor of 66kV DVG-2 SC line From MRS Shivamogga to Lingadahalli (Channagiri Taluk) in Shivamogga & Davanagere Districts.	Hassana	Shimoga	864.2	300.0	64.2	
80	110/11kV MUSS Thirthahalli LILO: 1) Construction of 110kV, 0.523KM LILO Line tapping from 110kV SK line to the existing 110/11kV Thirthahalli Sub-station in Thirthahalli Taluk, Shivamogga District. 2) Construction of 110kV line Terminal bay at 110/11kV Thirthahalli S/s.	Hassana	Shimoga	200.3	50.3		
81	Chikamagalur-Balehonur: Construction of 66kV DC line with coyote ACSR in the existing corridor of 66kV SC line from chikkamagalur to Balehonnur (43.74 Kms)	Hassana	Chikkamagaluru	1800.0	700.0	76.1	
82	Renovation and upgradation of protection system of 220kV Sub-stations (10Nos) & 400kV Sub- Station (1No) in Hassana Transmission Zone	Hassana	Hassana	1449.8	21.2		
83	Bannikuppe Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 3.575Kms	Mysuru	Mysuru	663.0	363.0		
84	Chandravadi (Nallitalapura): Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 1.290Kms	Mysuru	Mysuru	604.0	304.0		
85	Maliyur: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 2.809Kms	Mysuru	Mysuru	670.2	97.2		
86	Chandalli (Madapura) Village: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 5.668Kms	Mysuru	Mysuru	787.9	387.9		



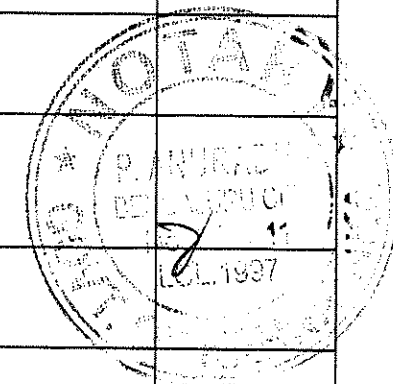
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
87	Hemmargala: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 3.905Kms	Mysuru	Mysuru	653.7	22.6		
88	Tumbekere: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 6.596 Kms.	Mysuru	Mandya	779.0	379.0		
89	220kV Shivanasamudra: Establishing 2x100MVA, 220/66kV Station with associated lines	Mysuru	Mandya	9653.7	4000.0	653.7	
90	Vadakepura Limits: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 0.356Kms	Mysuru	Mandya	585.9	285.9		
91	Devalapura Handpost (Kasalagere) Establishing 1 x 8MVA, 66/11 KV Sub-Station with associated line for a distance of 7.65Kms	Mysuru	Mandya	881.8	481.8		
92	66kv Badanakuppe Industrial area : Establishing 2 X 31.5 MVA, 66/11kV Station with MCMV with 220kv at top x arm provision & 66kv at bottom associated d/c lines	Mysuru	Chamarajana gara	3371.5	871.5		
93	Bargi: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a Distance of 10.864Kms.	Mysuru	Chamarajana gara	779.7	87.5		
94	Kothanoor: Establishing 1x8MVA, 66/11kV Sub-Station with associated line.	Mysuru	Chamarajana gara	972.5	472.5		
95	Jannur: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 8.63Kms	Mysuru	Chamarajana gara	819.7	419.7		
96	Agara mamballi : Establishing 1 x 8 MVA,66/11 KV sub-station with associated line for a distance of 3.047Kms	Mysuru	Chamarajana gara	729.0	329.0		



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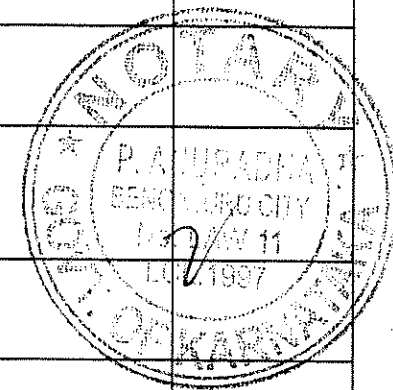
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
97	Suttur : Replacing 2x8MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformers	Mysuru	Mysuru	244.7	25.0		
98	Megalapura : Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Mysuru	Mysuru	159.7	34.7		
99	Santhesargur: Replacing 2x6.3MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformers	Mysuru	Mysuru	321.0	161.0		
100	H.D.Kote: Replacing 2x12.5MVA, 66/11kV by 2x20MVA, 66/11kV Transformers	Mysuru	Mysuru	351.4	0.4		
101	Hunsur: Replacing 2x12.5MVA, 66/11kV by 2x20MVA, 66/11kV Transformers	Mysuru	Mysuru	369.3	7.4		
102	R.K Nagar : Replacement of 2 nd 12.5 MVA NGEF Power Transformer by 20 MVA, 66/11kV Power Transformer	Mysuru	Mysuru	196.5	14.4		
103	Ravandur : Providing Additional 1X8 MVA, and replacing 1x8MVA by 12.5MVA 66/11kV Transformer.	Mysuru	Mysuru	230.7	26.8		
104	Bylukuppe: Providing Additional 1X8 MVA, and replacing 1x8MVA by 1x12.5MVA 66/11kV Transformer.	Mysuru	Mysuru	232.3	27.4		
105	Hampapura : Providing Additional 1x12.5MVA 66/11kV Transformer and Replacement of 1 X 8 MVA by 1 X 12.5 MVA, 66/11kV with additional SWG	Mysuru	Mysuru	334.3	94.8		
106	Hanagodu : Replacement of 1 X 8 MVA by 1 X 12.5 MVA 66/11kV Transformer.	Mysuru	Mysuru	141.9	8.7		



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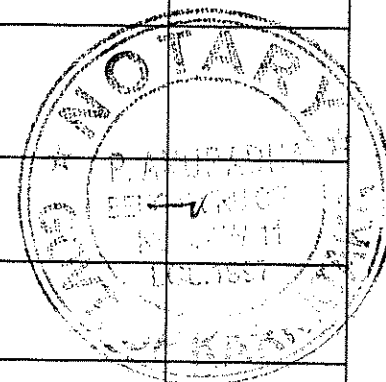
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
107	Terakanambi: Replacing 2X8MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformers	Mysuru	Chamarajana gara	252.0	43.0		
108	P.G.Palya : Providing Additional 1X8 MVA, 66/11kV Transformer	Mysuru	Chamarajana gara	120.5	25.0		
109	Kadakola - Vajamangala: Construction of 220kV D/C line from Kadakola to Vajamangala with TB's for a distance of 19.64Kms	Mysuru	Mysuru	1052.7	50.0	384.4	164.7
110	Virajpet - Madekeri: Construction of 66kV SC Link line on DC towers between 66kV Virajpet & Madekeri Sub-Stations for a distance of 36.16kms.	Mysuru	Kodagu	842.4	100.0	300.9	129.0
111	Garag (Shedabal): Establishing 2x10MVA, 110/11kV Sub-Station with associated line for a distance of 4.598Kms	Bagalkote	Dharwad	1080.6	143.6		
112	Doni 400kV (Gadag): Establishing 2x500MVA, 400/220kV Station with associated 440kV & 220kV link lines for a distance of 26.798Kms	Bagalkote	Gadag	17738.4	3025.9		
113	Belavanaki: Establishing 1x10MVA, 110/11kV Sub-Station with associated line for a distance of 22.27Kms	Bagalkote	Gadag	1244.7	205.1		
114	Islampur: Establishing 1x10MVA, 110/11kV Sub-Station with associated line for a distance of 7.875Kms	Bagalkote	Belgaum	998.8	376.5		
115	Kakamari: Establishing 1x10MVA, 110/11kV Sub-Station with associated line & TB.	Bagalkote	Belgaum	922.0	296.7		

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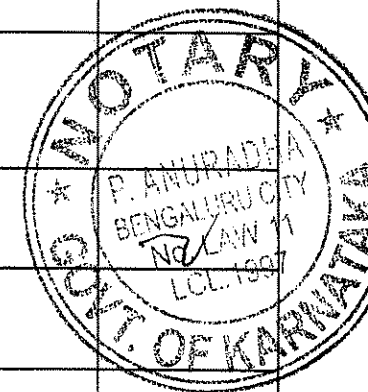
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
116	Aratagal(Kitadal): Establishing 2x10MVA, 110/11kV Sub-Station with associated line & TB for a distance of 8.574Kms	Bagalkote	Belgaum	1002.4	402.4		
117	Morab: Establishing 2x10MVA 110/11kV Sub-Station with associated line for a distance of 7.526Kms	Bagalkote	Belgaum	1037.6	80.9		
118	Koganolli Up-gradation 33/11kV S/s to 2x10MVA, 110/11kV Sub-Station with associated line for a distance of 17.192Kms	Bagalkote	Belgaum	1460.5	500.0	108.2	
119	G.Hosakoti: Establishing 1x10MVA, 110/11kV Sub-Station with associated line.	Bagalkote	Belgaum	943.1	391.7		
120	Inchageri: Establishing 1x10MVA, 110/11kV Sub-Station with associated line & TB for a distance of 19.759 Kms	Bagalkote	Bijapur	1192.6	500.0	92.6	
121	Talikote: Up-gradation of existing 33/11kV S/s to 2x10MVA, 110/11kV Sub-Station with associated line for a distance of 17.557Kms	Bagalkote	Bijapur	1403.3	389.0		
122	Rodagi (Khedagi cross) : Establishing 1x10MVA, 110/11kV Sub-Station with associated line for a distance of 10.969	Bagalkote	Bijapur	903.3	154.5		
123	Haveri: Providing spare 1x20MVA, 110/33-11kV Transformer	Bagalkote	Haveri	279.0	44.2		
124	Ambevadi: Replacing 2x55MVA, 220/110kV by 2x100MVA, 220/110kV Transformer with R&M works.	Bagalkote	North Canara	1466.4	100.0	517.7	



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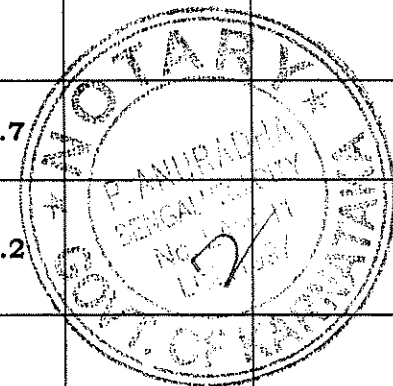
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125	Karwar(Shejwad): Providing additional 1x20MVA, 110/33-11kV Transformer	Bagalkote	Uttar Kannada	425.4	19.1		
126	110KV S/S Banahatti: Replacement of 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer	Bagalkote	Bagalkote	58.6			
127	Rampur: Replacement of 1x10MVA, 110/33kV by 1x20MVA, 110/33kV Transformer	Bagalkote	Bagalkote	216.4	30.0		
128	Hirebevanur: Providing additional 1x10MVA, 110/11kV Transformer.	Bagalkote	Bijapur	129.3	17.0		
129	Lachyan: Replacing 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer.	Bagalkote	Bijapur	305.0	76.1		
130	110 KV S/S Malaghan: Replacement of 1X10 MVA, 110/11 KV by 1X20 MVA, 110/11 KV transformer instead of Providing additional 1x10MVA, 110/11kV Transformer	Bagalkote	Bijapur	305.5	40.5		
131	B Bagewadi: 1x100MVA Transformer 220/110KV for arranging the power supply to the Chimmalagi LIS.	Bagalkote	Bijapur	847.0	267.0		
132	Guledgud - Ilkal: Construction of 110kV S.C. link line on D/C towers from 110kV Sub-Station Guledgudda to 110kV Sub-Station Ilkal for a distance of 34.575 Kms.	Bagalkote	Bagalkote	619.7	50.0	409.4	
133	Kudagi to Vajaramatti: Construction of 220kV DC Line from proposed Kudagi 400kV STPP to 220kV Sub-station Vajramatti for a distance of 79.42Kms.	Bagalkote	Bijapur/ Bagakot	5888.7	530.9		



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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
134	Providing 12.1kV 2.9MVAR Capacitor Bank and other allied equipment's in KPTCL Sub-stations of Bagalkote Zone.	Bagalkote	Bagalkote	1783.8	476.4		
135	Adavi Amareshwara: Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Kalaburagi	Raichur	541.8	41.8		
136	Kudligi: Establishing 2x100MVA, 220/66/11kV & 1x12.5MVA, 66/11kV Station at Kudligi (Badeladaku) along with associated lines & TB's for a distance of (220kV 32.63Kms & 66kV M/C 5.36Kms)	Kalaburagi	Bellary	4603.7	1000.0	128.0	
137	Bachigondanahalli: Establishing 1x8MVA, 66/11kV Sub-Station with associated line or a distance of 6.85Kms	Kalaburagi	Bellary	585.0	164.7		
138	Harivi : Establishing of 66/11kV Sub-station with installed capacity of 1x8MVA 66/11kV Transformer or a distance of 6.638Kms	Kalaburagi	Bellary	585.4	108.2		
139	Koppal : Establishing 2x100MVA, 220/110kV and 1x10MVA, 110/11kV Station at Koppal (Halavarthi) along with associated lines & TB's. 11.06 (11KM-110KV&0.06KM-220KV)	Kalaburagi	Koppal	2997.9	1219.7		
140	Thavaragera: Establishing 1x10MVA, 110/11kV and 1x20MVA, 110/33kV Sub-Station with associated 110kV line for a distance of 26.495 Kms.	Kalaburagi	Koppal	2018.4			
141	Ramasamudra: Establishing 220/110kV Sub Station with associated 220kV and 110kV lines	Kalaburagi	Yadgir	6284.1	2500.0	2000.0	784.1

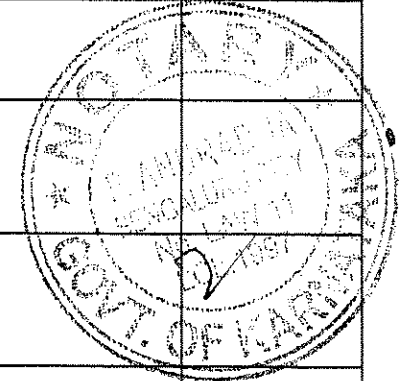
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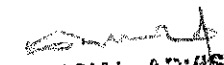


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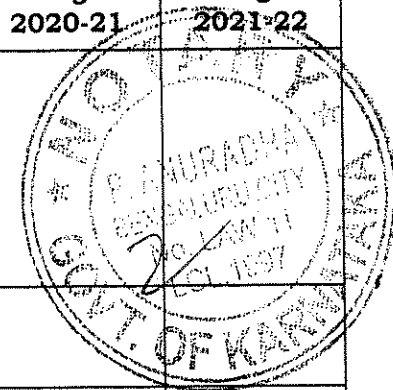
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
142	Alkod: Providing additional 1 x 10 MVA, 110/11 kV Power Transformer at Alkod S/s	Kalaburagi	Raichur	226.7	76.7		
143	Maliyabad : Providing additional 1 x 10 MVA, 110/11 kV Power Transformer at Maliyabad S/s	Kalaburagi	Raichur	226.8	76.8		
144	Gurugunta: Providing additional 1 x 10 MVA, 110/11 kV Power Transformer at Gurugunta S/s	Kalaburagi	Raichur	226.3	76.3		
145	BislaHalli : Creating 33kV reference by Providing 1x20MVA, 110/33kV Transformer.	Kalaburagi	Bellary	335.9	150.6		
146	Kampli: Repl of 1X10MVA by 1X20MVA, 110/11KV Trf at 110/11KV S/S Kampli	Kalaburagi	Bellary	182.8	1.1		
147	Munirabad : Installing of 1x10MVA, 110/11kV Power transformer at 220/110/66/33/11kV Munirabad Power House Station	Kalaburagi	Koppal	155.1	110.1		
148	YTPS to 400kV Bellary pooling station (BPS): Construction of 400kV DC Line with Quad Moose Conductor from YTPS to Proposed 400kV Bellary pooling station (BPS) for a distance of 142.49Kms	Kalaburagi	Raichur	51500.4	3979.1		
149	Munirabad - Ujjini: Dismantling of existing 66kV Munirabad-Sokke-Davangere line emanating from Munirabad Generating Station & Erecting a new 66kV line with Coyote conductor upto 66kV Ujjani Sub-Station in Kudligi Taluk for a distance of 204.31 Kms	Kalaburagi	Bellary	774.0	226.9	97.2	

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
150	Chincholi-Mannekalli-Sedam: i) Construction of 110kV DC link line between 110kV Chincholi and 110kV Manna-E-Khelly Sub-Stations 49.87Kms. ii) Stringing Second circuit on existing DC towers from 220kV Sedam Station to 110kV Chincholi Sub-Station for a distance of 32kMs.	Kalaburagi	Kalaburagi	925.0	50.0		
151	Providing 12.1KV, 2.9MVAR Capacitor Bank and other allied equipment's in KPTCL Sub-stations of Kalaburagi Zone.	Kalaburagi	Kalaburagi	619.5	325.1		
152	Renovation and Upgradation of Protection systems of 220kV Substations (12 Nos) in Kalaburagi Transmission Zone	Kalaburagi	Kalaburagi	1436.4	674.1		
153	EXORA Business park: Establishing 2x150MVA, 220/66/11kV Station with associated line.	Bengaluru	Bengaluru Urban	10403.9	1000.0	4000.0	5393.9
154	S.Medehalli: Establishing 2x12.5 MVA, 66/11kV sub-station at S.Medehalli, in Anekal Taluk, Bengaluru Urban District.	Bengaluru	Bengaluru Urban	1978.0	989.0	691.6	296.4
155	Muthanalur: Establishing 2x8 MVA, 66/11kV Sub-Station with associated line at anekal taluk.	Bengaluru	Bengaluru Urban	1080.0	540.0	377.3	161.7
156	Bagganadoddi: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	Bengaluru Urban	2913.0	1000.0	1000.0	763.0
157	Madappanahalli: Establishing 2x20MVA, 66/11kV Sub-Station with associated line for a distance of 3.604Kms	Bengaluru	Bengaluru Urban	1119.7	559.9	390.5	167.4
158	Nelamangala: Upgradation of existing 66/11kV Nelamanagala S/s to 2x100 MVA, 220/66/11kV sub station	Bengaluru	Bengaluru Urban	8740.0	1000.0	2000.0	5735.0



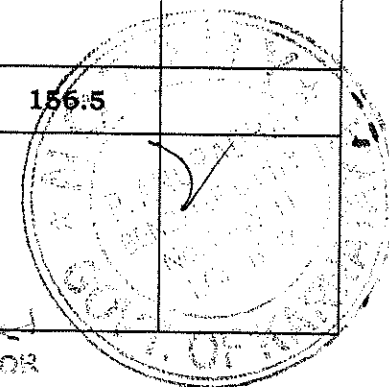
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
159	Sahakarinagar: Establishing 2x150 MVA, 220/66/11kV GIS sub station	Bengaluru	Bengaluru Urban	14960.7	1000.0	4000.0	9000.0
160	Channarayapattana: Establishing 2x8MVA, 66/11kV Sub-Station with associated line.	Bengaluru	Bengaluru Rural	854.6	144.6		
161	Sasalu(Sriramanahalli): Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	Bengaluru Rural	1118.0	559.0	384.3	164.7
162	Sathanur(Achalu): Establishing 2x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	Ramanagara	780.0	390.0	290.0	
163	Shivanahalli: Establishing. 1x8 MVA, 66/11kV S/s and associated line	Bengaluru	Ramanagara	601.9	300.9	200.9	
164	Tadigol Cross : Establishing 2x8MVA, 66/11kV Sub-Station with associated line.	Bengaluru	C.B.Pura	1060.5	424.2	500.0	131.3
165	Nandi (Muddenahalli): Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 3.466 Km.	Bengaluru	C.B.Pura	425.7	100.0	151.6	65.0
166	Bommepalli cross: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	C.B.Pura	661.6	330.8	228.1	97.7
167	Telecom Layout: Replacing 1x20MVA, 66/11kV by 1x31.5MVA, 66/11kV Transformer	Bengaluru	Bengaluru Urban	235.0	35.0		
168	Hoody: Providing 3rd additional 1x31.5 MVA, 66/11 kV transformer.	Bengaluru	Bengaluru Urban	555.0	388.5	156.5	
169	Naganathapura: Augumentation of 2x100 MVA, 220/66/11kV Power Transformer by 2x150MVA, 220/66/11kV Power Transformers at 220/66/11kV Naganathapura Receiving Station, Bangalore South Taluk, Bangalore Urban District.	Bengaluru	Bengaluru Urban	1777.6	1285.6		

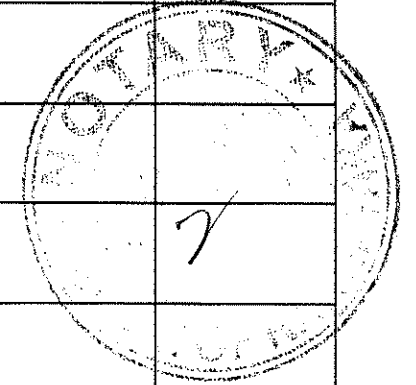
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
170	Somanahalli: Replacing 2x100MVA, 220/66/11kV Power Transformer by 2x150MVA at 220/66/11kV R/s Somanahalli, Bengaluru.	Bengaluru	Bengaluru Urban	1872.1	1500.0	172.1	
171	Rajarajeshwarinagar: Replacement of 2X20MVA by 2X31.5MVA transformer at 66/11kV Rajarajeshwarinagar S/s	Bengaluru	Bengaluru Urban	700.0	697.0		
172	Kumbalgodu: Replacement of 1x12.5MVA by 1x31.5MVA 66/11kV Transformer at 66/11kV Kumbalagodu Substation	Bengaluru	Bengaluru Urban	276.4	273.4		
173	Prestige Shanthinikethan: Replacing 1X20MVA by 1X31.5MVA 66/11kV Power transformer at 66/11kV Prestige Shanthinikethan substation.	Bengaluru	Bengaluru Urban	248.9	48.9		
174	Army Welfare Housing Organisation: Providing Additional 1X31.5MVA, 66/11kV Power Transformer	Bengaluru	Bengaluru Urban	400.0	320.0		
175	Attibele: Replacement of 1x20 MVA, 66/11 kV transformer by 1x31.5MVA 66/11kV Transformer	Bengaluru	Bengaluru Urban	319.1	129.1		
176	Peenya: Augmentation of 2x20MVA, 66/11kV power transformer no.II & III by 2x31.5MVA, 66/11kV power transformer at SRS Peenya 220/66/11kV Substation	Bengaluru	Bengaluru Urban	597.3	397.3		
177	Abbigere: Replacement of 2x12.5MVA, 66/11kV by 2x20MVA, 66/11kV transformer	Bengaluru	Bengaluru Urban	546.1	541.1		
178	IISC: Replacing of 2x20MVA, 66/11kV power transformer by 2x31.5MVA power transformer	Bengaluru	Bengaluru Urban	676.7	591.7		
179	Raj Mahal Vilas (RMV): Augmentation of 2x20MVA, 66/11kV by 2x31.5MVA, 66/11kV transformer	Bengaluru	Bengaluru Urban	530.0	445.0		

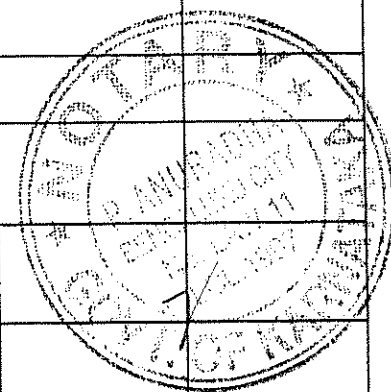
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
180	Byadarahally: Replacement of 1x20MVA, 66/11kV Power Transformer by 1x31.5MV, 66/11kV power transformer	Bengaluru	Bengaluru Urban	351.0	266.0		
181	Brindavaan: Replacement of 2x20MVA, 66/11kV Power Transformer II & III by 2x31.5MVA, 66/11kV power transformer	Bengaluru	Bengaluru Urban	635.3	435.3		
182	Naganathapura : Replacing 2X20MVA by 2X31.5MVA 66/11kV Power transformer	Bengaluru	Bengaluru Urban	500.0	300.0		
183	Adugodi: Replacing 3X20MVA by 3X31.5MVA 66/11kV Power transformer	Bengaluru	Bengaluru Urban	750.0	550.0		
184	Nelagadarannahalli: Replacing 2x20MVA, 66/11kV by 2x31.5MVA, 66/11kV transformer	Bengaluru	Bengaluru Urban	668.5	468.5		
185	Widia S/s: Providng addnl 1X20MVA, 66/11kV Power Transformer.	Bengaluru	Bengaluru Urban	235.0	230.0		
186	Budigere: Replacing 1x8MVA, 66/11kV by 1x20MVA, 66/11kV Transformer	Bengaluru	Bengaluru Rural	224.5	203.3		
187	Anekal.: Replacing 1X20MVA by 1X31.5MVA , 66/11KV Power transformer at 66/11KV S/S.	Bengaluru	Bengaluru Rural	282.6	82.6		
188	66/11KV S/s Volvo: Replacing of 1X6.3 MVA by 1X12.5 MVA Transformer at 66/11KV S/S Volvo	Bengaluru	Bengaluru Rural	139.4	19.4		
189	Providing additional 20 MVA TR at 220 kV KIADB Doddaballapura	Bengaluru	Bengaluru Rural	387.0	382.0		
190	Sulibele : Replacing of 2 x 12.5MVA Transformers by 2x 20MVA transformers	Bengaluru	Bengaluru Rural	206.9	200.9		
191	Nanadagudi : Replacing 2 x12.5MVA Transformers by 2x 20 MVA Transformers	Bengaluru	Bengaluru Rural	397.4	391.4		

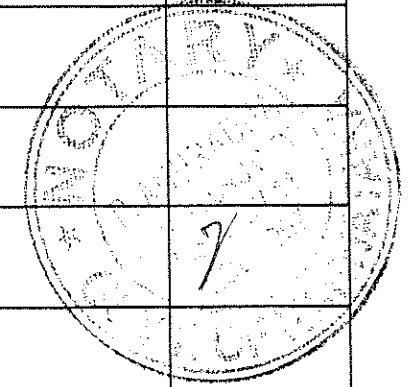
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
192	CBPura(I/A): Replacing 1x12.5MVA NGEF make Tr-1, 66/11kV by 1x20MVA, 66/11kV Transformer	Bengaluru	Bengaluru Rural	202.6	192.6		
193	220KV EKARAJAPURA: Additional 220/66kV,100MVA Transformer.	Bengaluru	Bengaluru Rural	1351.0	500.0	846.0	
194	Channapatna: Augmentation of 1X12.5 MVA 66/11 kV Tr. By 1 X 20 MVA at 66/11 kV Channapatna	Bengaluru	Ramanagara	181.7	11.7		
195	Magadi: Replacing 1x12.5MVA by 1x20MVA, 66/11kV Pwer Transformer at 66/11kV Magadi	Bengaluru	Ramanagara	176.0	171.0		
196	Gudemaranahalli: Replacing 2x8MVA by 2x20MVA 66/11kV Power Transformer	Bengaluru	Ramanagara	394.7	391.7		
197	Bidadi: Providing additional 1x20 MVA Power Transformer at 220/66/11 kV Bidadi Sub-station	Bengaluru	Ramanagara	359.0	309.0		
198	Hukunda: Providing additional 1x8MVA, 66/11kV Power Transformer at 66/11kV Hukunda Sub-station.	Bengaluru	Ramanagara	225.2	220.2		
199	V.G.Doddi: Providing additional 1x8MVA, 66/11kV Power Transformer at 66/11kV V.G.Doddi Sub-station.	Bengaluru	Ramanagara	225.3	220.3		
200	Replacement of second 12.5 MVA, by 20 MVA, Power Transformer at 66/11kV Ranganadoddi S/s	Bengaluru	Ramanagara	158.3	155.3		
201	Dalasanur: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	121.6	116.6		

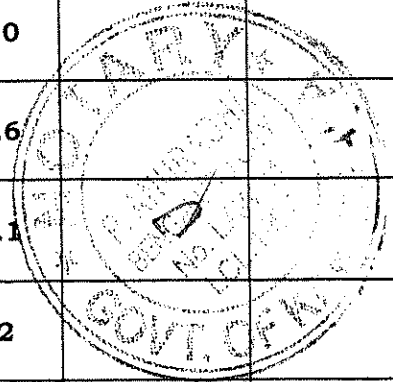
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
202	S.M.Mangala: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	121.6	118.6		
203	Masti: Replacing 2nd 2x12.5MVA, 66/11kV by 2x20MVA, 66/11kV Transformer	Bengaluru	Kolar	35.0			
204	Kyalanur: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	117.0	114.0		
205	Anderdsonpet : Replacing 2x8MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	269.6	266.6		
206	Srinivasapura: Replacing 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV Transformer	Bengaluru	Kolar	205.1	202.1		
207	Addagal: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	142.2	22.2		
208	Thayalur: Replacing 1x6.3MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	141.5	138.5		
209	Malasandra: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	140.9	137.9		
210	M.G.Halli: Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	C.B.Pura	110.5	107.5		
211	Cheemangala: Replacing 1x6.3MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	C.B.Pura	127.4	121.9		
212	Irragampalli: Replacing 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV transformer	Bengaluru	C.B.Pura	204.7	201.7		

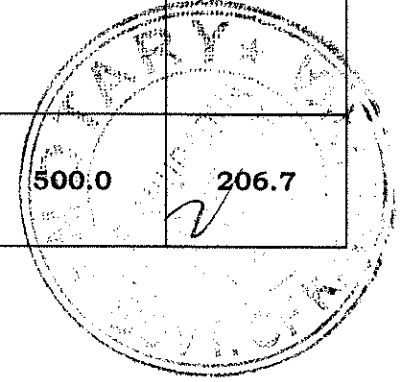
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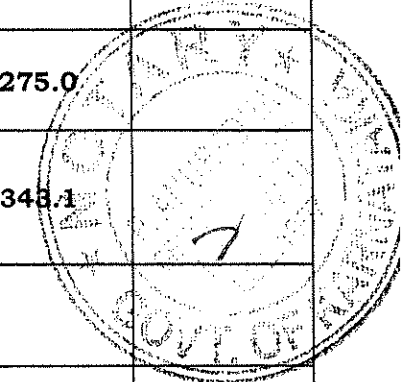
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
213	Talagavara: Replacing second 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV transformer	Bengaluru	C.B.Pura	204.7	201.7		
214	Cheemangala: Replacing second 1x6.3MVA, 66/11kV by 1x12.5MVA, 66/11kV transformer	Bengaluru	C.B.Pura	142.3	139.3		
215	Replacing of 2x8 MVA by 2x12.5 MVA at Manchenahalli	Bengaluru	C.B.Pura	272.1	269.1		
216	HAL-Amarjyothi: Strengthening of existing 66kV line by replacing Coyote by HTLS Conductor for a distance of 3.21 kms	Bengaluru	Bengaluru Urban	481.6	337.1	100.0	43.5
217	Amarjyothi-Audugodi: Replacement of Existing Coyote ACSR Conductor by HTLS Conductor for a route length of 4.20Kms in the existing 66kV DC Audugodi-Amarjyothi line.	Bengaluru	Bengaluru Urban	665.2	465.7	100.0	98.6
218	220-220kV MC line to 220/66/11kV Yerranadanahalli S/s: Construction of 220-220kV Narrow based Multi Circuit Lines for route length of 6.615kms from the proposed 220kV Sommanahally-Malur I & II Lines to the existing 220/66/11kV Yarandanahally S/s in existing 220kV Sommanahally-Singarpet SC line Corridor	Bengaluru	Bengaluru Urban	1550.6	500.0	700.0	340.6
219	Somanahalli : Replacing 66 kV North and South Strung bus by rigid bus at 220/66/11 kV Somanahalli sub-station	Bengaluru	Bengaluru Urban	657.0	357.0		
220	Nelagadarenahalli to WIDIA: Running of 66kV 1000sqmm SC UG cable from existing 66/11kV Nelagadarenahalli S/s to existing Widia S/s for a route length of 3.540Kms	Bengaluru	Bengaluru Urban	2359.0	1651.3	500.0	206.7

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
221	Kanteerava GIS Station: Establishing link line between 220/66/11kV Sir.M.V.GIS station(East Division Compound) and 66kV Kanteerava GIS station by laying kV SC 1000Sqmm UG cable for a route length of 2.488Kms	Bengaluru	Bengaluru Urban	1782.0	1247.4	524.6	
222	66KV D.B.Pura -Devanahalli line: Strengthening the 66KV D.B.Pura -Devanahalli line by Drake conductor 20KMS	Bengaluru	Bengaluru rural	950.0	665.0	275.0	
223	D cross to Thodebhavi: Strengthening of 66kV line from D cross to Thodebhavi limites (Existing fabricated small tower and rabbit conductor)	Bengaluru	Bengaluru Rural & CBPura	1177.0	823.9	343.1	
224	Ranganadoddi Sub-Station: Providing 66kV LILO arrangement to 66/11kV Sub-Station for a distance of 0.10 kms.	Bengaluru	Ramanagara	41.0	36.0		
225	Ramnagara Sub-Stn: Constructing additional 66kV circuit from Bidadi - Bevoor line to provide LILO arrangements for a distance of 0.65 kms.	Bengaluru	Ramanagara	34.1	24.1		
226	Kanakapura- Kothipura 220 kV S/s: Interlinking of existing 220/66 kV Kanakapura sub-station with proposed 220 kV Kothipura S/s by construction of 220 kV DC line for a distance of 27 Kms.	Bengaluru	Ramanagara	5798.0	2319.2	1739.4	1159.6
227	66kV Mattikere- Jalamangala Line: Construction of 66kV Line from 66/11kV Mattikere to Jalamangala for a distance of 10.78Kms	Bengaluru	Ramanagara	564.1	225.6	169.2	112.8

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
228	66kV DC line to 66/11kV Maralavadi S/s: Replacing of existing 66KV SC Tower of 66 KV Maralwadi line by constructing DC tower, drake DC line from tapping point of existing 66KV Kanakapura-Chatra(Tapping -Maralwadi tapping)-Hanumanthanagara-Yedamadu-Somanahalli line-1	Bengaluru	Ramanagara	656.0	262.4	196.8	131.2
229	Conversion of existing 66kV SC line to DC line from Harobebe station to Kodihalli station	Bengaluru	Ramanagara	142.0	56.8	42.6	28.4
230	66kV SC line from 220kV Kanakapura to Kunur station: Construction of 66kV SC line partially cable and partially overhead line from Kanakapura to proposed Kunur station for a distance of 7.481Km	Bengaluru	Ramanagara	3149.0	1259.6	944.7	629.8
231	Construction of 66kV MC/DC line in the existing corridor of 66kV Somanahalli - Kanakapura - T.K.Halli DC line B1 & B2 having old H frame towers and cat conductor	Bengaluru	Ramanagara	4157.0	1662.8	1247.1	831.4
232	Siddlaghatta - Y.Hunasehalli: Running of 2nd Circuit on existing DC Tower of Siddlaghatta 66kV line upto Tower No.51 and linking the same to Y.Hunasehalli line with TB at 220kV R/S Chintamani for a distance of 12.3 kms.	Bengaluru	C.B.Pura	529.9	371.0	158.0	
233	Jangamkote Sub-Station: Providing 66kV LILO arrangement to 66/11kV Sub-Station for a distance of 7.00 kms.	Bengaluru	C.B.Pura	55.0	38.5	15.5	
234	Sira(Kallukote) : Establishing 2x100MVA, 220/66/11kV Sub-station with associated line	Tumakuru	Tumakuru	5844.6	1000.0	2000.0	2794.6
235	Chikkanayakanahalli 400kV: Establishing 400KV switching station at Chikkanayakanahalli	Tumakuru	Tumakuru	25000.0	3000.0	5000.0	15000.0

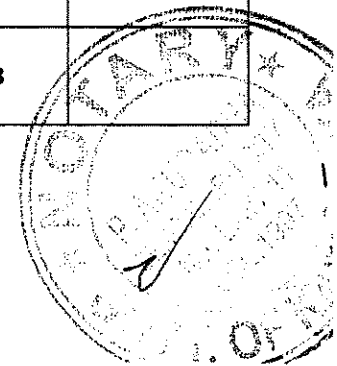
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
236	Karadi: Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Tumakuru	Tumakuru	590.7	378.5	162.2	
237	Changawara: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Tumakuru	Tumakuru	612.5	245.0	317.5	
238	Doddaguni: Providing Spare 1x10MVA, 110/11kV Transformer	Tumakuru	Tumakuru	186.2	130.3	54.9	
239	K.B Cross: Providing Spare 1x20 MVA, 110/11 kV Power Transformer at 110/11kV Station in K.B.Cross	Tumakuru	Tumakuru	307.0	214.9	91.1	
240	Kolala: Replacing 1x8 MVA,66/11kV by 1x 12.5 MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	136.5	95.6	36.0	
241	Thovinakere: Replacement of 1x12.5MVA, 66/11kV by 1x 20MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	177.1	123.9	52.1	
242	Gubbi : Replacing 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	201.6	1.6		
243	Huliyar: Providing Additional 1x10MVA, 110/11kV Power Transformer at 110/11kV Station.	Tumakuru	Tumakuru	253.9	126.9	26.9	
244	Ankasandra: Providing Additional 1x8MVA, 66/11kV Power Transformer at 66/11kV Station.	Tumakuru	Tumakuru	112.4	6.4	6.0	
245	Kadaba: Replacing 1x10 MVA,110/11kV by 1x 20 MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	204.2	142.9	11.3	

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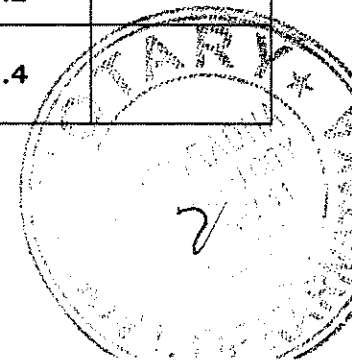
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
246	Kolala: Replacing 2nd 1x8 MVA, 66/11kV by 1x 12.5 MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	139.1	69.5	19.5	
247	Sampige: Replacing 1x10MVA,110/11kV by 1x 20MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	204.2	102.1	2.1	
248	K.G Temple: Replacing 1x10MVA,110/11kV by 1x 20MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	204.5	102.3	2.3	
249	Kallur: Replacing 1x10 MVA,110/11kV by 1x 20 MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	204.5	102.3	2.3	
250	Bellavi: Replacing 1x12.5MVA Power Trnsformer-1 by 1x20MVA Power Transformer at 66/11kV Bellavi Substation	Tumakuru	Tumakuru	203.5	142.4	11.0	
251	Heggere: Providing additional 1x8MVA Power Transformer at 66/11kV Substation	Tumakuru	Tumakuru	273.1	136.6	36.6	
252	Tavarekere: Replacing 1x8MVA, 66/11kV Power transformer-1 by 1x12.5MVA 66/11kV Power transformer	Tumakuru	Tumakuru	142.3	71.1	21.1	
253	Koratagere: Replacement of 1x 12.5MVA 66/11kV Power Transformer by 1x 20 MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	206.3	103.2	3.2	
254	Thimmasandra: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	136.4	68.2	18.2	
255	Hebbur: Replacing 1x12.5 MVA, 66/11kV by 1x 20 MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	212.0	63.6	28.4	

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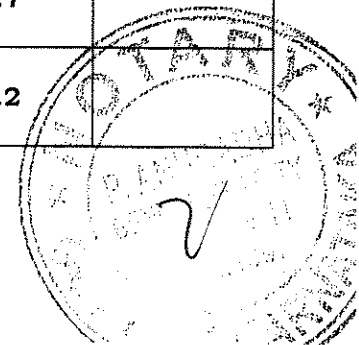
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
256	Sira: Replacing 12.5MVA,66/11kV by 1x 20 MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	214.0	107.0	7.0	
257	Hirehalli: For replacement of 1 x 12.5 MVA Tr.-1 by 1 X20 MVA Tr. at 66/11 KV Sub-station with 1IC+4F+1BC	Tumakuru	Tumakuru	204.2	142.9	11.2	
258	Yadiyur: For replacement of 1 x 6.3 MVA by 1 X 20 MVA Tr. at 66/11 KV Sub-station	Tumakuru	Tumakuru	205.7	102.8	2.8	
259	Kunigal: For replacement of 1 x 12.5 MVA Tr-2 by 1 X 20 MVA Tr. 1Bank + 4Feeders at 66/11 KV Sub-station	Tumakuru	Tumakuru	204.5	102.3	2.3	
260	Honnudike: Replacing 1x8 MVA-1 66/11kV by 1x 12.5 MVA, 66/11kV Transformer (2nd Tr.)	Tumakuru	Tumakuru	145.0	72.5	22.5	
261	Kattige: Providing additional 1x8MVA, 66/11kV Transformer	Tumakuru	Davanagere	173.5	86.7	33.9	
262	Kundur: Providing additional 1x8MVA, 66/11kV Transformer	Tumakuru	Davanagere	174.7	87.3	34.5	
263	Davanagere: Providing Spare 1x20MVA, 66/11kV Transformer at 220/66kV Davanagere SRS.	Tumakuru	Davanagere	253.2	177.3	75.0	
264	Bidarekere: Providing Additional 1x8MVA, 66/11kV Power Transformer.	Tumakuru	Davanagere	179.0	125.3	33.7	
265	Obbajjihalli: Providing Additional 1x8MVA, 66/11kV Power Transformer	Tumakuru	Davanagere	179.0	125.3	3.7	
266	Avaregare: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA, 66/11kV Tranformer.	Tumakuru	Davanagere	136.5	27.3	9.2	

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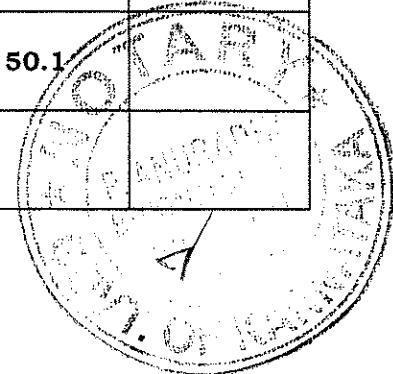
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
267	Mayakonda: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA, 66/11kV Transformer.	Tumakuru	Davanagere	137.8	27.6	10.3	
268	Uchhagidurga: Replacing 2x8MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformer	Tumakuru	Tumakuru	271.9	27.2	19.2	
269	Harapanahalli: Replacing 1x12.5 MVA, 66/11kV by 1x 20 MVA, 66/11kV Transformer.	Tumakuru	Davanagere	201.5	80.6	20.9	
270	Bennihalli: Replacing 1x6.3 MVA, 66/11kV by 1x 12.5 MVA, 66/11kV Tranformer.	Tumakuru	Davanagere	140.1	28.0	12.1	
271	Halavagalu: Replacing 2x6.3M VA, 66/11kV by 2x 12.5MVA, 66/11kV Transformer.	Tumakuru	Davanagere	274.7	137.4	37.4	
272	Telagi: Replacing 2x6.3 MVA, 66/11kV by 2x12.5MVA, 66/11kV Transformer.	Tumakuru	Davanagere	272.8	136.4	16.4	
273	Sasuvehalli : Replacing of 1x6.3 MVA 1x8MVA by 2x12.5MVA 66/11kv Power Transformer	Tumakuru	Davanagere	273.9	54.8	19.1	
274	Savalanga: Providing additional 1x8MVA,power Transformer at 66/11kV Savalanga S/S.	Tumakuru	Davanagere	223.5	123.5		
275	Bharamasagara: Providing Spare 1x12.5MVA, 66/11kV Transformer	Tumakuru	Chitradurga	198.5	139.0	54.6	
276	Kanchipura: Providing Additional 1x8 MVA, 66/11kV Power Transformer.	Tumakuru	Chitradurga	183.7	128.6	50.1	
277	Pandarahalli : Replacing 2nd 12.5 MVA, 66/11kV by 20MVA, 66/11kV Transformer.	Tumakuru	Chitradurga	203.9	3.9		

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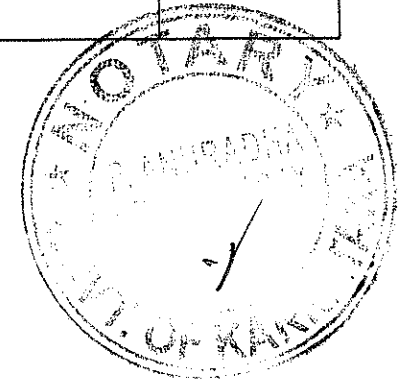
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
278	Mylanahalli : Replacing 1x8 MVA, 66/11kV by 1x 12.5 MVA, 66/11kV Transformer.	Tumakuru	Chitradurga	142.4	71.2	21.2	
279	Thallak : Replacing 1x6.3 MVA, 66/11kV by 1x 12.5 MVA, 66/11kV Transformer.	Tumakuru	Chitradurga	139.8	69.9	19.9	
280	Hanagal: Replacing 1x8 MVA, 66/11kV by 1x12.5 MVA, 66/11kV Transformer.	Tumakuru	Chitradurga	156.7	78.4	28.4	
281	Chilur Station to Chilur Tap point: Conversion of SC line on SC towers to DC line on DC towers from Tap point to Chilur 66kV Sub-Station for a distance of 1 Km with TB at Chilur station for LILO arrangement.	Tumakuru	Davanagere	54.1	27.1	17.1	
282	Jagalur-Sokke 66KV line: Reconstruction of existing 66kV, age old coyote conductor SC line from 66kV Sub-Station Jagalur to 66kV Sub-Station Sokke as SC line on DC towers with coyote conductor for a distance of 20.961 Kms.	Tumakuru	Davanagere	401.1	200.6	190.6	
283	Sasvehalli Station to Sasvehalli Tap point: Providing LILO arrangement at 66kv station Sasvehalli from tap point of Lingadahalli-Channagiri line for a distance of 0.5 kms with TB.	Tumakuru	Davanagere	53.3	26.7	16.7	

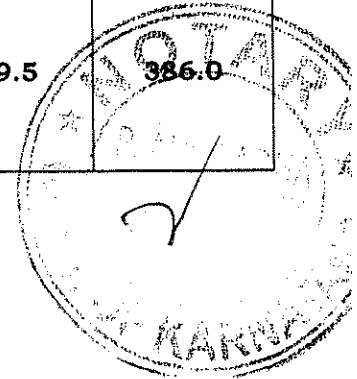
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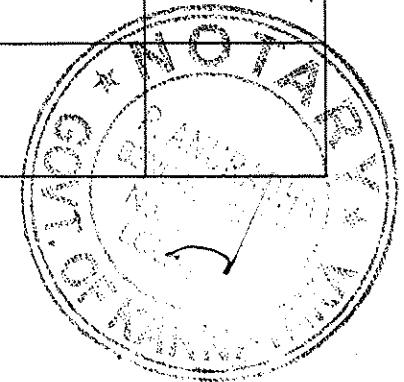
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
284	Construction of 220KV link lines: 1. Hiriyur PGCIL to Hiriyur: Construction of 220kv SC line on DC towers for a length of 15.168 Kms from existing 400/220KV PGCIL station at Beerahalli(Hiriyur) to existing 220/66/11KV Hiriyur S/s in existing Corridor of 220KV S/C line from Hoysala Katte to 220/66/11 KV Station Hiriyur(Partly in new Corridor i.e.from PGCIL point to link 220KV S/C line from Hoysala Katte to 220/66/11 KV SRS at Hiriyur). including re-arrangement of existing 220KV lines near Beerahalli 400KV Station & dismantling of existing 220KV line Tower.	Tumakuru	Chitradurga	5572.7	557.3	15.4	
285	Kundur Mata: Establishing 1 X 8 MVA ,66/11 KV S/S at Kunduru Mata in CR Patna Taluk Hassana Dist with construction of 66kv Tap line on DC towers from Bagur-Ramapura line to proposed 66/11kv S/S at Kundurmata for a dist of 6.2Kms	Hassana	Hassana	491.9	344.3	146.6	
286	Nagarthi: Establishing 1x6.3 MVA, 66/11KV S/S at Nagarthi in H.N.Pura Tq, Hassan Dist with construction of 66kV SC line of DC towers for a route length of 10.03Kms to tap the existing 66kV C.R.Patna-H.N.Pura-Singapura SC line to the proposed 66/11kv Nagarthi S/S.	Hassana	Hassana	680.7	476.5	203.2	
287	Belapu : Establishing 1x10MVA, 110/11kv Sub-Station at Belapu in Udupi Tq & Dist with construction of 110kV SC line on DC towers from the proposed 110kV Nandikur S/S for a dist of 10Kms with 110kV TB at Nandikur	Hassana	Dakshina Kannada	964.9	10.0	289.5	386.0

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
288	Sulia: Establishing 2x10MVA, 110/11kV, 1x20MVA, 110/33-11kV Sub-Station with associated line.	Hassana	Dakshina Kannada	1492.0	10.0	447.6	596.8
289	Heggunje : Establishing 2x100 MVA, 220/110 kV , 1x10 MVA 110/11kV Sub Station at Heggunje in Udupi Tq & Dist with Construction of 220/110kV MCMV LILO line from 220kV Varahi-Kemar SC line and 110kV Haladi-Hiriyadka SC line to proposed 220/110/11kV Station at Heggunje and a) Construction of 110kV DC line from the proposed Heggunje Station to the existing 110/11kV Brahmavara S/S for a dist of 17.5Kms b) Construction of 110kV DC line on Conventional, 110kV MC and 220/110kV MC towers from the proposed Heggunje Station to the existing Kundapura S/S for a dist of 25Kms. c) Construction of 2Nos of TB's for 110kV Heggunje-Brahmavara DC line at 110/11kV S/S Brahmavara d) Construction of 2Nos of 110kV TN's for 110kV Heggunje-	Hassana	Udupi	7996.8	2000.0	3998.4	1498.4
290	Belman(Nandalike): Establishing 1x10MVA, 110/11KV s/s at Belman(Nandalike) (in Karkala Taluk, Udupi district with associated line for a distance of 1.031 Kms.	Hassana	Udupi	878.8	527.3	350.5	
291	CR Patna: Replacement of 1 X 12.5MVA, 66/11 KV power Transformer by 1 X 20 MVA, 66/11kV Power Transformer at CR Patna S/S	Hassana	Hassana	155.0			
292	Salagame: Replacement of 2 X 8 MVA, 66/11 KV power Transformer by 2 X 12.5 MVA, 66/11kV Power Transformer at Salagame S/S in Hassana Taluk	Hassana	Hassana	275.3	125.3		

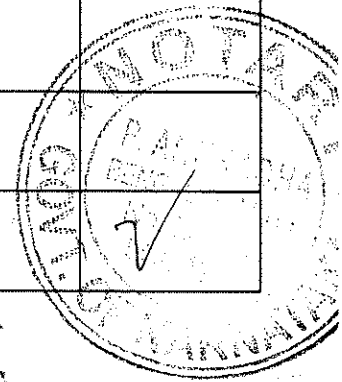
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
293	Shanthigrama: Replacement of 2 X 8 MVA, 66/11 KV power Transformer by 2 X 12.5 MVA , 66/11kV Power Transformer at Shanthigrama S/S in Hassana Taluk	Hassana	Hassana	275.3	125.3		
294	Juttanahally: Providing Additional 1x8MVA, 66/11kV Power Transformer at 66/11kV S/s Juttanahally in CR Patna Taluk	Hassana	Hassana	222.5	72.5		
295	Chikkabommenahally: Augmentation of 1 X 8 MVA, 66/11 KV power Transformer by 1 X 12.5 MVA @ Chikkabommenahally S/S in Arkalgud Taluk.	Hassana	Hassana	244.1	0.1		
296	Bychanahally: Providing additional 1x8MVA power transformer @ 66/11kV sub-station Bychanahally, in Arkalagud Taluk, Hassan District.	Hassana	Hassana	232.1	82.1		
297	K.Byrapura: Providing additional 1x8MVA, 66/11kV power transformer at K.Byrapura sub-station.	Hassana	Hassana	209.3	59.3		
298	Kallusadarahally :Providing additional 1x10 MVA, 110/11 kV power transformer at 110/11 kV Kallusadarahally Sub station in Arasikere Taluk, Hassan District.	Hassana	Hassana	271.3	121.3		
299	Arehalli :Providing additional 1x8 MVA, 66/11 kV power transformer at 66/11 kV Arehalli Sub station in Belur Taluk, Hassan District.	Hassana	Hassana	277.3	127.3		
300	Salethur: Providing additional 1X10 MVA 110/11kV Transformer.	Hassana	Dakshina Kannada	285.8			
301	Netlamudnur: Providing additional 1x20 MVA, 110/33 kV transformer at 220 kV Netlamadnur station, in Bantwal Taluk, DK District	Hassana	Dakshina Kannada	335.9	85.9		

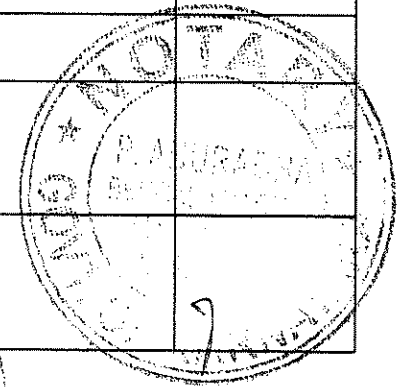
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
302	Bantwala: Providing additional 1x20 MVA, 110/33 kV transformer at 110 kV Bantwal station, in Bantwal Taluk, DK District.	Hassana	Dakshina Kannada	338.1			
303	Gurupura: Replacement of 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer's at 110/11KV Gurupura S/s	Hassana	Dakshina Kannada	249.5			
304	MSEZ: Providing 1 x20 MVA, 110/33/11kV Transformer as spare at 220kV Station MSEZ, Bajpe in Mangalore Taluk, DK Dist	Hassana	Dakshina Kannada	285.4	142.7	132.7	
305	Madhuvana: Providing additional 1x20 MVA, 110/11KV Power Transformer at 110/11KV Madhuvana Sub-station in Udupi Taluk and District.	Hassana	Udupi	256.4			
306	Hiriyadka: Replacement of existing 1x10MVA, 110/33KV Power Transformer by 20MVA, 110/33KV Power Transformer at 110/33/11kV Hiriadka Sub-station in Udupi Taluk & Dist.	Hassana	Udupi	212.1	162.1		
307	Balligavi (Shiralkoppa): Providing 1X20MVA, 110/11kV Spare Transformer at 220kV Balligavi (Shiralkoppa) Station.	Hassana	Shimoga	376.6	326.6		
308	Thogarsi: Providing additional 1 x 10MVA, 110/11KV Power Transformer	Hassana	Shimoga	289.7	139.7		
309	Tyvarachatnalli: Replacement of existing 1x 6.3MVA 66/11KV Power transformer to 1x 12.5 MVAPower transformer at 66/11KV MUSS Tyavarechatnahalli	Hassana	Shimoga	176.1	126.1		
310	Kumsi: Replacement of 2nd 1x 10MVA 110/11KV Power transformer by 1 x 20 MVA, 110/11KV power transformer at existing 110/11KV Kumsi S/s in Shimogga Taluk	Hassana	Shimoga	312.1	262.1		

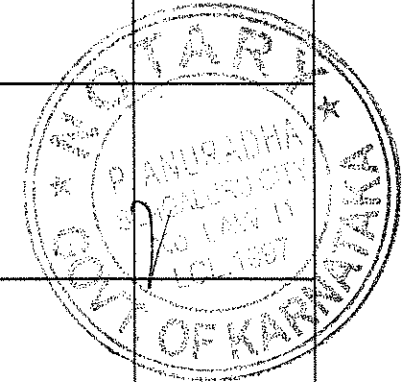
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
311	Mudigere: Replacement of 2x6.3MVA, 66/11kV Power Transformers by 2x12.5MVA, 66/11kV Power Transformer at Mudigere S/s in Mudigere Taluk, Chikkamagaluru District	Hassana	Chikkamagaluru	574.3	524.3		
312	Mudigere: Creating 33kV reference by installing 1x8MVA, 66/33kV Transformer at Mudigere S/s in Mudigere Taluk	Hassana	Chikkamagaluru	400.5	395.5		
313	Chikkamagalur: Replacing 2X12.5MVA, 66/11kV Transformer by 2X20MVA, 66/11kV transformer at 66kV Chikkamagaluru Substation.	Hassana		647.0	497.0		
314	Gendehally - Arehally: Construction of 66kV DC line from 66kV Arehalli Sub-station to LILO the existing 66kV SC line between Belur-Gendehally Sub-station along with two Nos of 66kV TB's at 66kV Arehalli Sub-station	Hassana	Hassana	612.1	428.5	100.0	82.6
315	Mosalehosahally: Providing LILO arrangements at 66/11kV Mosalehosahally Sub-station in Hassana Taluk & District by constructing 66kV DC line for a distance of 130 meters from new SMT-1 line.	Hassana	Hassana	13.2			
316	S K Pura to Arehall: Stringing of 2nd Circuit with Coyote ACSR Conductor on existing 66KV SC line on DC towers between 66/11KV S/s at Sakaleshpura and 66/11 KV S/s at Arehally with TB at both Sakaleshpura and Arehalli S/s.	Hassana	Hassana	245.8	172.1	68.8	

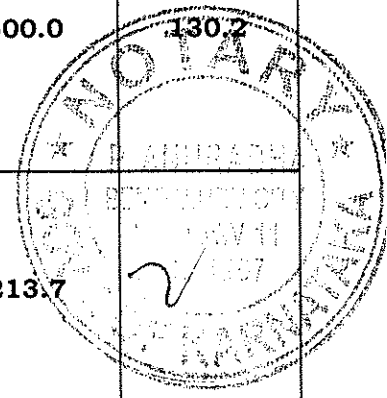
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
317	Reconstruction of 66kV SC line in existing corridor of 66kV SC MBT(FTS Mysuru-Bhadra) line on DC towers from Hassan to H.N.Pura and reconstruction of 66kV SC line in the existing 110kV SC SMT(Shimoga-Mysuru) line corridor on DC towers from HN Pura to Hootagalli	Hassana	Hassana	2108.4	500.0	1000.0	607.4
318	Baikampady: Providing 110KV, 20MVAR Capacitor Bank along with associated TB at existing 110/33/11KV Baikampady S/s.	Hassana	Dakshina Kannada	85.3	59.7	24.6	
319	Shimoga-Bengaluru 1 & 2 lines: Re-stringing of existing Drake Conductor, replacing of Ground Conductor, Disc Insulators, Hardwares of 220kV Shimoga-Bengaluru 1 & 2 DC line from MRS Shimoga to Basavanahalli gate (Loc.No.1 to 269)	Hassana	Shimoga	289.5	144.8	52.0	
320	Shimoga Station to 220kV Kadur Station: Construction of 110kV SBT-2DC line on DC tower for a distance of 60.281 kms in the existing Corridor of 110 KV SBT-2 SC line from 220/110/66/11 KV M.R.S Shivamogga to 220/110/11KV Kadur Station along with Construction of 110KV TB at 220KV M.R.S Shivamogga and 220KV Kadur Sation	Hassana	Chikkamagaluru	2134.1	1493.8	500.0	130.2
321	Kulashekar: 1) Re-arranging of existing 110kV lines at 110/33/11kV Kulashekara S/S inview of R&M works of S/S. 2) R&M of 110/33/11kV Kulashekara S/S and providing additional 1X20MVA, 110/33kV Tr at 110/33/11kV Kulashekara S/S	Hassana	Dakshina Kannada	716.0	501.2	213.7	

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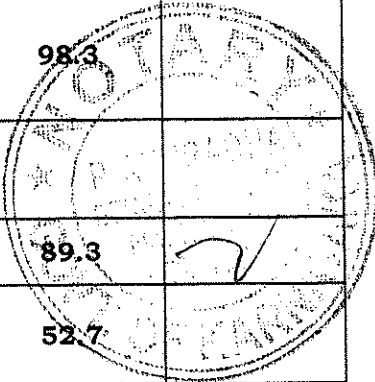
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
322	Kavoor: R & M Works at Kavoor 220kV Station.	Hassana	Dakshina Kannada	1948.2	100.0	1000.0	847.2
323	Formation of 220KV rigid bus at 220KV RS, Kemar	Hassana	Udupi	236.9	165.8	70.1	
324	Formation of 110KV rigid bus at 220KV RS, Kemar	Hassana	Udupi	50.0	35.0	14.0	
325	Chikkamagalur: Providing of 2Nos. of 66kV SF6 CB to Incoming lines from 220kV R/S Mugluvalli (Chikkamagalur) & 2Nos of 66kV SF6 CB to Incoming lines from Bhadra including 2Nos. bay at Chikkamagalur Sub-Station	Hassana	Chikkamagalur	211.3	147.9	13.4	
326	Kampalapura: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 1.837Kms	Mysuru	Mysuru	562.9	450.3	111.6	
327	Kaggere (Hampapura) Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 1.0Kms	Mysuru	Mysuru	528.4	422.7	104.7	
328	Chamalapura (B. Seehalli): Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 3.835Kms	Mysuru	Mysuru	618.1	494.5	113.6	
329	Mandakalli (Koppalur): Establishing 1x12.5MVA, 66/11kV Sub-Station with associated line	Mysuru	Mysuru	834.2	667.3	66.8	
330	Vyasarajapura Establishing 1x8 MVA 66/11kV Sub-Station with associated line for a distance of 3.498Kms	Mysuru	Mysuru	593.9	475.1	108.8	
331	Gargeshwari: Establishing 1x8MVA, 66/11kV Sub-station with associated line for a distance of 0.543Kms	Mysuru	Mysuru	780.9	624.7	106.2	

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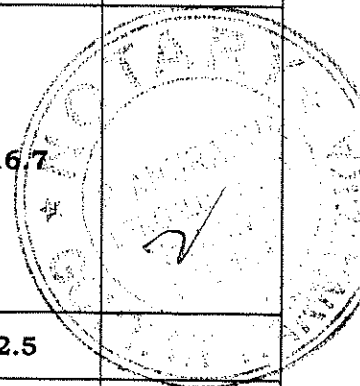
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
332	220kV Nagamangala: Establishing 2X100MVA, 220/66kV Station with associated lines	Mysuru	Mandya	9000.0	500.0	2000.0	6000.0
333	Kadukothanahalli Establishing 1x 8MVA, 66/11 KV Sub-Station with associated line for a distance of 0.08Kms	Mysuru	Mandya	507.3	316.7		
334	Hariyaldamma Temple Establishing 1 x 8MVA, 66/11 KV Sub-Station with associated line for a distance of 8.591Kms	Mysuru	Mandya	770.1	385.0	85.0	
335	220kV Begur: Establishing 2X100MVA, 220/66kV Station with associated lines	Mysuru	Chamarajana gara	11814.8	2000.0	4000.0	5000.0
336	Arkalavadi: Establishing 1x8MVA, 66/11kV Sub-Station with associated line for a distance of 10.368Kms	Mysuru	Chamarajana gara	736.1	100.0	500.0	135.1
337	Lokkanahalli : Establishing 1 x 8 MVA,66/11 KV sub-station.	Mysuru	Chamarajana gara	900.0	10.0	50.0	700.0
338	Bannur : Replacing 2nd 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV Transformer with additional SWG.	Mysuru	Mysuru	248.3	149.0	98.3	
339	T.N.Pura : Repl 2X12.5MVA by 2X20 MVA 66/11kV Transformer	Mysuru	Mysuru	427.0	252.0		
340	Bhogadhi: Providing Spare 1x20 MVA 66/11kV Transformer	Mysuru	Mysuru	225.7	135.4	89.3	
341	Jayapura: Replacing 2nd 8MVA, 66/11kV by 12.5MVA, 66/11kV Transformer	Mysuru	Mysuru	134.2	80.5	52.7	
342	Hebbal : Replacement of 2 X 12.5 MVA, 66/11 KV Power Transformer by 2 X 20 MVA .	Mysuru	Mysuru	230.7	138.4	42.3	

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
343	Hullahalli : Replacement of 2 X 8 MVA by 2 X 12.5 MVA, 66/11kV Transformer.	Mysuru	Mysuru	285.2	160.2		
344	Dattagalli: Replacing 1x5 MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Mysuru	Mysuru	168.5	101.1	57.4	
345	Hadli : Providing additional 1x12.5MVA, 66/11kV Transformer	Mysuru	Mandya	248.7	149.2	98.5	
346	Addihalli: Replacing 1X6.3MVA & 1X8MVA, 66/11kV Trs. by 2x12.5MVA, 66/11kV Trs. at Addihalli along with stringing of 2nd ckt 66kV line b/w 220kV K.R.Pet-Santhebachally and linking by 66kV SC line to Addihally Sub-station with construction of 2Nos of 66kV TBs at Santhebachahalli, One TB at Addihalli Sub-station and One TB at 220kV K.R.Pet station	Mysuru	Mandya	1216.7	500.0	416.7	
347	Guddenahalli : Replacement of 1 X 6.3 MVA by 1 X 12.5 MVA 66/11kV Transformer.	Mysuru	Mandya	158.9	95.3	62.5	
348	Akkihebbal : Replacement of 2 nd.8MVA by 12.5 MVA, 66/11kV Transformer.	Mysuru	Mandya	178.6	107.2	70.4	
349	Gamanahalli : Replacement of 1 X 8 MVA by 12.5 MVA, 66/11kV Transformer.	Mysuru	Mandya	167.0	100.2	65.8	
350	Mandagere : Providing additional 1 X 12.5 MVA, 66/11 KV Power Transformer.	Mysuru	Mandya	257.2	154.3	101.9	
351	Mandya KIADB: Replacing 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV Transformers with SWGs	Mysuru	Mandya	272.3	163.4	107.9	

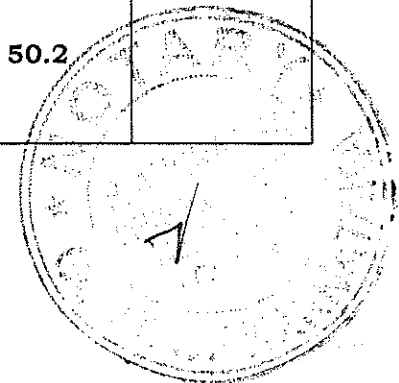


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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
352	Chinakuruli : Replacement of 1 X 8 MVA, 66/11 KV Power Transformer by 1 X 12.5 MVA, 66/11 KV.	Mysuru	Mandya	156.2	93.7	61.5	
353	Kadaballi : Providing additional 1 X 12.5 MVA, 66/11 KV Power Transformer.	Mysuru	Mandya	254.9	153.0	101.0	
354	Adichunchangiri: Additional 1X12.5MVA 66/11kV Power Transformer	Mysuru	Mandya	257.1	154.2	101.8	
355	Chandakavadi : Replacing 2X8 MVA,66/11 KV transformers by 2X12.5 MVA transformers .	Mysuru	Chamarajana gara	290.2	58.0	57.1	
356	Hanur : Replacement of 1 X 8 MVA by 1 X 12.5 MVA, 66/11kV Transformer.	Mysuru	Chamarajana gara	158.6	95.2	62.5	
357	Begur : Replacing the existing 2nd 8MVA Tr. By 12.5MVA Transformer.	Mysuru	Chamarajana gara	178.5	107.1	70.4	
358	Kunthur: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Chamarajana gara	235.3	141.2	84.1	
359	Bandalli: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Chamarajana gara	265.2	159.1	96.1	
360	Hootagalli - Bherya Limits: Replacing of H - Frames by Re-construction of 66kV SC line between Hootagalli - Bherya Limits to a distance of 54 km	Mysuru	Mysuru	1025.0	300.0	500.0	224.0
361	Hootagalli R/S, Vijayanagar and FTS Sub-Station: Stringing of 66kV 2nd circuit between Hootagalli R/S, Vijayanagar and FTS Sub-Station on existing D/C towers with Terminal Bays at both ends	Mysuru	Mysuru	128.0	76.8	50.2	

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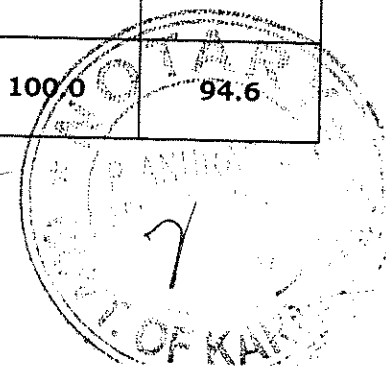
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
362	Bettadapura Sub-station: Reconstruction of 66 kV SC line on SC towers by LILO line from existing 66 kV Chunchanahatti-Kushalnagar line to 66/11 kV Bettadapura S/S for a distance of 2.457 km in Periyapatna Taluk, Mysuru District for a distance of 2.46 kms	Mysuru	Mysuru	94.3	56.6	36.7	
363	Jayapura : Providing additional 1 No. of 66 kV TB and LILO of Kadakola - Sargur 66kV line by constructing additional Circuit on existing towers for a distance of 6.0 kms along with Terminal Bay at Jaipura for a distance of 6 kms	Mysuru	Mysuru	58.0	34.8	22.2	
364	Hootgalli-Kanayanbetta upto Bavali limit: Re-Construction of 220kV Hootgalli-Kanayanbetta line upto Bavali limit for a distance of 81kms as per Southern Grid instruction.	Mysuru	Mysuru	415.2	100.0	200.0	105.2
365	K R Nagar to Chunchanakatte: Re-Construction of existing 66kV line between K R Nagar Sub-Station to Chunchanakatte Sub-Station for a distance of 5.8kms	Mysuru	Mysuru	156.0	93.6	61.4	
366	Kadakola-Devanur (Nanjangud) Drake Line: Strengthening of 66kv s/c line on s/c towers from Kadakola 220kv R/S TO 66KV Devanur s/s (Nanjanagud) by Drake Conductor on 110/66KV DC Tower to a distance of 23Kms	Mysuru	Mysuru	2574.0	10.0	800.0	1000.0
367	Shimsha - Mandya: Construction of 66kV SC link line in the existing corridor for a distance of 44.57KMs.	Mysuru	Mandya	346.9	100.0	100.0	94.6

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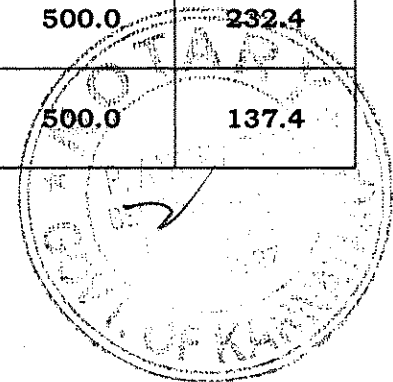
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
368	Hampapura : LILO of Kadakola -Santhesaguru 66kV line by constructing additional Circuit on existing towers for a distance of 6.5km along with Terminal Bay at Hampapura (HD Kote) for a distance of 6.5 kms	Mysuru	Mandya	60.6	36.3	23.2	
369	Kiragavalu LILO: Conversion of 66kV S/C Line on SC Tower to 66kV LILO line on DC Towers from the existing 66kV SFC-Vajamangala DC line.	Mysuru	Mandya	132.4	39.7	17.7	
370	Anegola LILO: Construction of 2nd circuit on existing 66kV DC towers for a distance of 2.965 Kms for Making LILO arrangement to Anegola Sub-Station	Mysuru	Mandya	74.1	44.5	28.6	
371	Santhamaranahalli Sub-station: Providing 66kV LILO arrangement to existing 66/11kV Santhamaranahally S/s along with 1 No TB	Mysuru	Chamarajana gara	154.8	92.9	11.9	
372	Ramapura LILO: Construction of 66kV 2nd circuit line for a distance 1.5Kms. on existing D/C towers for making LILO arrangement to Ramapura Sub-Station along with Terminal Bay.	Mysuru	Chamarajana gara	56.3	33.8	12.5	
373	Singatalur : Up-gradation of existing 33/11kV MUSS to 110/11kV Sub-Station with associated line.	Bagalkote	Gadag	1033.4	300.0	500.0	232.4
374	Banavasi: Establishing 1x10MVA, 110/11kV Sub-Station with associated line & TB.	Bagalkote	Uttar Kannada	938.4	300.0	500.0	137.4

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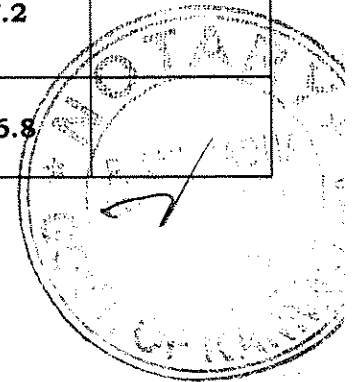
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
375	Mughalkod: Establishing 2x100MVA, 220/110kV & 1x10MVA, 110/11kV Station with associated 220kV & 110kV lines	Bagalkote	Belgaum	7249.0	3500.0	3748.0	
376	Shiraguppi: Up-gradation of 33kV MUSS to 1x10MVA, 110/11kV Sub-Station with associated line for a distance of 16.7 kms & TB.	Bagalkote	Belgaum	1075.4	300.0	500.0	274.4
377	Hangal: Providing additional 1X10MVA, 110/11kV Power Transformer at 110kV S/s Hangal	Bagalkote	Haveri	83.7	33.7		
378	Dambal: Providing additional 1x10MVA, 110/11kV Transformer	Bagalkote	Gadag	95.7	28.4		
379	Gadag: Providing additional 4th 1x100MVA, 220/110kV Transformer	Bagalkote	Gadag	1728.8	1000.0	228.8	
380	Konnur: Providing additional 1X10MVA, 110/11kV Power Transformer at 110kV Konnur S/s.	Bagalkote	Gadag	281.4	100.0	171.4	
381	110KV S/S Nagaramunnoli/Kabbur Replacement of 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer	Bagalkote	Belgaum	247.7	148.6	49.1	
382	110 kV S/S Sulthanpur : Replacement of 1x10 MVA, 110/11 kV transformer by 1x20 MVA, 110/11 kV transformer at 110 kV Sulthanpur sub-station, in Raibag Taluk, Belagavi District	Bagalkote	Belgaum	93.1	55.9	27.2	
383	Shiragaon : Replacing 1x10MVA, 110/11kV by 1x20MVA, 110/11kV Transformer	Bagalkote	Belgaum	286.8	100.0	176.8	

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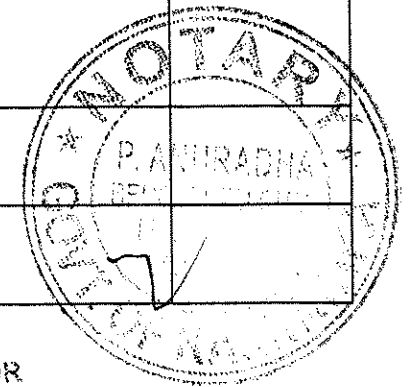
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
384	Hirebagewadi: Augmentation of 10 MVA ,110/11 KV by 20 MVA, 110/11 KV Power Transformer at 110 KV S/S Hirebagewadi	Bagalkote	Belgaum	295.1	100.0	185.1	
385	110 kV S/S Satti : Providing additional 1x10 MVA, 110/11 kV transformer at 110 kV Satti sub-station, in Athani Taluk, Belagavi District	Bagalkote	Belgaum	289.8	100.0	179.8	
386	110 kV S/S Itnal : Replacement of 1x10 MVA, 110/11 kV transformer by 1x20 MVA, 110/11 kV transformer at 110 kV Itnal sub-station, in Raibag Taluk, Belagavi District	Bagalkote	Belgaum	282.0	100.0	172.0	
387	Bagalkot: 3rd 1x100MVA Transformer at 220/110KV Bagalkote S/s	Bagalkote	Bagalkote	728.9	300.0	218.7	209.2
388	110 kV S/S Bisnal : Creating 33 kV reference by installing 1x20 MVA, 110/33 kV transformer at 110 kV Bisnal sub-station, in Bilagi Taluk, Bagalkot District	Bagalkote	Bagalkote	320.3	100.0	210.3	
389	Muddebihal: Providing additional 1x10MVA, 110/33kV Transformer	Bagalkote	Bijapur	179.3	100.0	63.6	
390	220KV Station, Indi: Providing Additional 1x10MVA, 110/11kV transformer	Bagalkote	Bijapur	53.2			
391	Zalaki: Replacement of 10MVA, 110/11kV by 20MVA, 110/11kV Transformer	Bagalkote	Bijapur	256.1	246.1		
392	Chadachan: Replacement of 1x10MVA, 110/11kV Transformer by 1x20, 110/11KV Transformer	Bagalkote	Bijapur	254.5	244.5		

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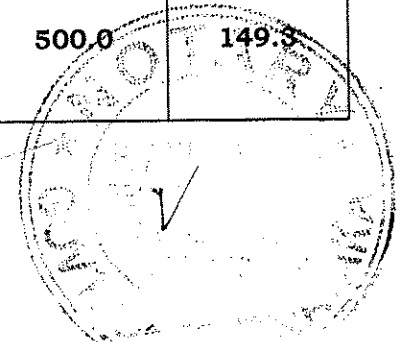
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
393	110KV Kawalwad-Hubli Line: Replacing of Exisisting Dog/Wolf conductor by Lynx Conductor of 110kV NK1 & NK2 Line from 110kV Kavalavad S/s 220kV SRS Hubali S/s for a distance of 32kms along with strenghtening of line by replacing weakened Towers for a distance of 32Kms	Bagalkote	Dharwad	869.9	200.0	400.0	268.9
394	220kV SRS Hubli -220kV Haveri Station: Conversion of existing S/C line on /SC Towers to SC line from 220/110kV SRS Hubli R/S to 220/110kV Haveri Station for a length of 68Kms	Bagalkote	Dharwad/Haveri/Uttara Kannada	2218.6	200.0	700.0	1317.6
395	Gadag-Naregal-Ron: Conversion of 110kV SC line to DC line from 220kV Gadag S/s to 110kV Naregal S/s and Stringing of 110kV 2nd Circuit from 110kV Naregal S/s to 110kV Ron S/s for a distance of 28.57 & 16.795Kms	Bagalkote	Gadag	1246.4	200.0	700.0	345.4
396	Jog-Sirsi: Replacement of Existing Towers Dog/Coyote Conductor by new towers and Lynx Conductor of 110kV NK1 & NK-2 DC line form MGHE PH Jog to 110kV Sirsi S/s for A distance of 49.71 Kms	Bagalkote	Uttar Kannada/ Shimogga	1534.9	200.0	700.0	633.9
397	Sirsi and Kavalawada line Replacement of 110kV Dog/coyote ACSR conductor by Lynx conductor of NK-1 and NK-2 lines between Sirsi and Kavalawada for a distance of 67.376Kms	Bagalkote	North Canara	1560.5	200.0	700.0	659.5
398	Ambewadi - Kawalwad Line: Replacement of detoriarated and rusted 19 Nos. of MS towers and Dog and coyote conductor by lynx conductor of 110kV NK-1 & 2 D/C Line between Ambewadi and Kawalwad.	Bagalkote	Uttar Kannada	850.3	200.0	500.0	149.3

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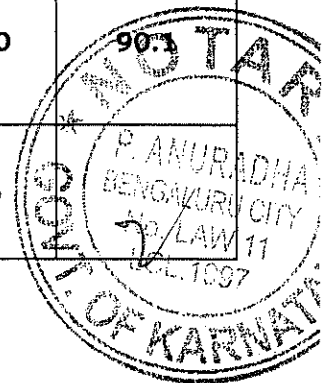
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
399	Nehru nagar-6 Pole Struture: conversion of 110 kV Nehrunagar-6 pole structure SC line constructed on 110 kV SC towers(MS towers)to 110 kV SC line on DC towers for a distance of 2.3 kms	Bagalkote	Belgaum	82.2			
400	Nidagundi: Shifting and Re-routing of 110 kV line from Loc 125-145 of Bagalkot-B.Bagewadi DC line in TLM section B.Bagewadi jurisdiction in Vijayapura District	Bagalkote	Vijayapura	583.2	50.0	523.2	
401	Chikkodi 220kV R/S: Construction of 2 Nos of 220kV TBs at 220kV Chikkodi S/s for Terminating 220kV Ghataprabh-Chikkodi DC line.	Bagalkote	Belgaum	362.3	361.3		
402	Bayappur: Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Kalaburagi	Raichur	1229.0	100.0	750.0	374.0
403	Ghanagapura: Establishing 2x100MVA, 220/110/11kV Station with associated 220kV and 110kV lines.	Kalaburagi	Kalaburagi	6911.7	1000.0	2000.0	3910.7
404	400 kV Kalaburagi Switching Station : Establishment of 400/220 kV Sub Station at Kalaburagi	Kalaburagi	Kalaburagi	47401.6	8000.0	10000.0	20000.0
405	Kukanoor(Dyamapura) : Upgradation of 2x5MVA,33/11KV Sub-station to 2x10MVA, 110/11kV and 1x20MVA 110/33kV Sub-station Kukanoor(Dyamapura) in Yelburga Taluk.	Kalaburagi	Koppal	1600.1	500.0	1000.0	
406	Mangalore: Up-gradation of 33/11kV MUSS to 2X10 MVA,110/11kV Sub-Station with associated lines for a distance of 7.426 Kms.	Kalaburagi	Koppal	1048.2	845.6	102.6	

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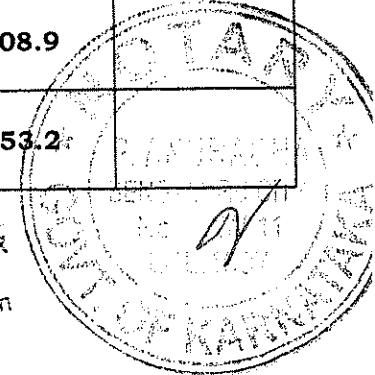
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
407	Valkamdinni: Replacement of 1x10MVA by 1x20MVA 110/33KV Power Transformer at 110KV S/S Walkamadinni.	Kalaburagi	Raichur	202.3	50.0	151.3	
408	Sindhanoor: Replacement of 1x10MVA by 1x20MVA 110/11KV Power Transformer at 110KV S/S Sindhanoor	Kalaburagi	Raichur	217.6	50.0	162.6	
409	Raichur: Providing spare 10 MVA, 110/11 kV Power Transformer at 220 kV R/S Raichur	Kalaburagi	Raichur	227.8	50.0	176.8	
410	Kogali: Providing additional 1x8MVA, 66/11kV Transformer	Kalaburagi	Bellary	178.2	50.0	127.2	
411	Sovenahalli: Providing additional 1x8MVA, 66/11kV Transformer	Kalaburagi	Bellary	178.5	50.0	127.5	
412	Banavikallu: Providing additional 1x8MVA, 66/11kV Transformer	Kalaburagi	Bellary	180.8	50.0	129.8	
413	HB Halli: Replacement of 1X 8MVA,66/11KV Transformer by 1X12.5MVA,66/11KV	Kalaburagi	Bellary	136.5	50.0	85.5	
414	Somasamudra: Providing additional 1x10MVA, 110/11kV Transformer	Kalaburagi	Bellary	209.7	50.0	158.7	
415	Kamalapur (Hospet Tq.): Providing additional 1 X10MVA, 110/11kV Power Transformer at kamalapur in Hospet Tq.	Kalaburagi	Bellary	268.9	50.0	208.9	
416	Tekkalakote: Providing 1x20 MVA, 110/33 kV Power transformer	Kalaburagi	Bellary	304.2	50.0	253.2	

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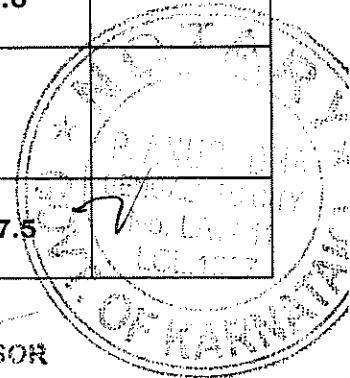
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
417	66/11KV S/S Ujjini: Construction of new control room building along with shifting of equipments from existing control to the proposed control with providing protection for the existing equipment . Providing LILO arrangement for 66KV incoming Line (66KV Kottur-Kudigi-Ujjini) along with Constuction of TB at Ujjini.	Kalaburagi	Bellary	131.5	100.0	26.5	
418	Sankalapura: Repl of 1X10MVA by 1X20MVA, 110/11KV Trf at 110/11KV S/S Sankalapura	Kalaburagi	Bellary	258.6	100.0	148.6	
419	Venkatapura: Repl of 1X8MVA by 1X12.5MVA, 66/11KV Trf at 66/11KV S/S Venkatapura	Kalaburagi	Bellary	155.5	93.3	52.2	
420	Kalaburagi University: Replacement of 1X10MVA by 1X20MVA power Transformer at 110/11KV S/s Kalaburagi University	Kalaburagi	Kalaburagi	172.8	100.0	71.8	
421	Bevoor : Providing additional 1 x 10 MVA, 110/11 kV Power Transformer at Bevoor S/s	Kalaburagi	Koppal	243.7	100.0	93.7	
422	Ganadal : Providing additional 1 x 10 MVA, 110/11 kV Power Transformer at Ganadal S/s	Kalaburagi	Koppal	241.5	100.0	91.5	
423	Koppal: Providing spare 20 MVA, 110/33/11 kV Power Transformer at 110 kV S/S Koppal	Kalaburagi	Koppal	200.0	100.0	50.0	
424	Enhancement of 10MVA, 110/33kV power Transformer (NGEF Make) by 20MVA, 110/33 KV POWER Transformer at 110/33/11kV MUSS Betagera in Koppal Tq.	Kalaburagi	Koppal	200.5	100.5		
425	Venkatgiri : Enhancement of 10 MVA, 110/11kV Power Transformer by 20 MVA 110/11kV Power Transformer at 110/11kV S/s Venkatgiri.	Kalaburagi	Koppal	267.5	100.0	117.5	

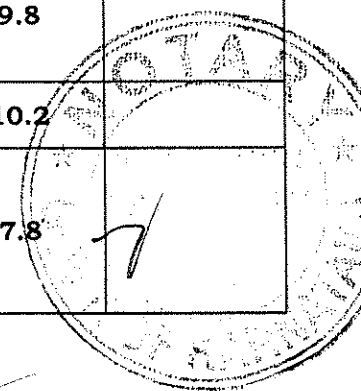
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
426	Enhancement of 10MVA, 110/11kV power Transformer NGEF Make) by 20MVA, 110/11kV POWER Transformer at 110/33kV MUSS Koppal in Koppal Tq, District.	Kalaburagi	Koppal	175.0	100.0	25.0	
427	110KV Sriramnagar: Replacement of 1X10 MVA, 110/11kV by 1x20MVA 110/11kV Power Transformer at 110/11kV Sriram Nagar S/s.	Kalaburagi	Koppal	265.8	100.0	115.8	
428	Creating 33 KV reference by providing additional 1 x 20 MVA 110/33 kv Power Transformer along with construction of 33kv Terminal Bay at Existing 110/11kV Gurmitkal Sub-Station in Yadgir Tq. yadgir Dist.	Kalaburagi	Yadgir	326.1	100.0	225.1	
429	Enhancement of 1x10MVA, 110/11kV Power Transformer No. 1 by 1x20 MVA 110/11kV Power Transformer at 110/11kV Shorapur .	Kalaburagi	Yadgir	294.3	100.0	189.3	
430	Enhancement of 1x10MVA, 110/33kV power transformer No.III by 1X20MVA 110/33kV Power Transformer at 110/11kV Shahapur S/S	Kalaburagi	Yadgir	207.6	10.0	70.0	100.0
431	Alipur to Bellary(South): Stringing of 110kV 2nd Circuit on existing DC towers from Alipur Station to Bellary, (South) Sub-Station for a distance of 8.00 Km.	Kalaburagi	Bellary	52.0	31.2	19.8	
432	66KV link line from proposed 66KV Hire Mallana Hole to 66KV Hosahalli	Kalaburagi	Bellary	278.0	166.8	110.2	
433	Jewargi Sub-station: Construction of 110kV LILO line from existing Shahabad-Shahapur line to 110/33-11kV Jewargi sub-station in the existing corridor for a distance of 0.86Kms	Kalaburagi	Kalaburagi	128.8	50.0	77.8	

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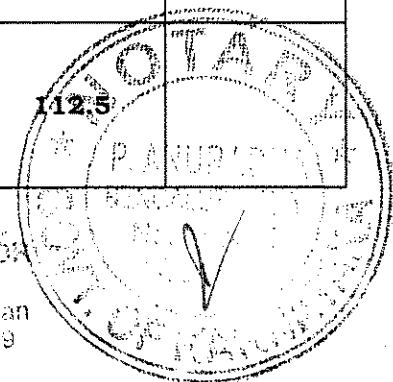


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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
434	Betagera to proposed 220kV Station at Koppal: Construction of 110kV SC line on DC towers from proposed 220/110/11kV Halavarthy(Koppal) S/s to the existing 110/33/11kV Betagera S/s for a distance of 23.836Kms	Kalaburagi	Koppal	1029.5	300.0	308.8	410.6
435	Gangavathi: LILoing of 110kV Munirabad-Sindhur line - II and construction of 2 Nos. TBs at 110kV Gangavathi Sub-Station	Kalaburagi	Bellary	162.7	50.0	111.7	
436	Munirabad Power House Station: Shifting of existing Control Room at 220kV Munirabad Power House to existing work shop building at 220kV Munirabad Power House yard	Kalaburagi	Koppal	315.8	100.0	213.8	
437	Guddadahalli: Providing Bus Bar protection to 220kV KPTCL Bays at 400/220kV, Guddadahalli, PGCIL Sub-station in Koppal Taluk and District	Kalaburagi	Koppal	160.4	48.1	12.3	
438	Somanahalli Station to T.K.Halli Station: Construction of 220kV DC line on DC towers in the existing SC corridor	Bengaluru	Ramanagara	5000.0	500.0	1000.0	2500.0
439	Ukkali : Establishing 110/11kV Sub-Station with associated line.	Bagalkote	Vijayapura	920.0	100.0	500.0	319.0
440	Ronihal: Establishing 110/11kV Sub-Station with associated line.	Bagalkote	Bijapur	1097.3	500.0	596.3	
441	Manvi: Replacement of 1x10MVA by 1x20MVA 110/11KV Power Transformer at 110KV S/S Manvi and providing 3 Nos of 1x100Sqmm XLPE cable to 11kV bank II at 110/11kV manvi station	Kalaburagi	Raichur	213.5	100.0	112.5	

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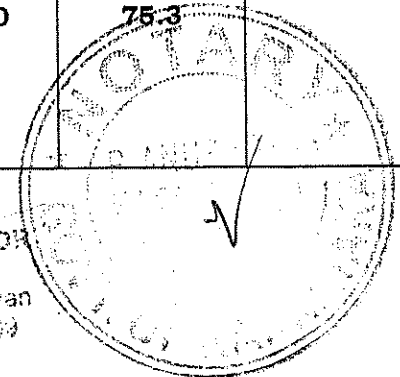
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
442	Raichur: Enhancement of 1x10MVA, 110/11KV Power Transformer by 20MVA ,110/11kV power transformer & providing 3 no's of 1x1000sq.mm XLPE CABLES TO 11Kv Bank III at 220KV S/S Raichur.	Kalaburagi	Raichur	227.8	100.0	126.8	
443	Providing additional 1x10MVA, 110/33kV Power Transformer at 110/11kV Mandewal Sub Station.	Kalaburagi	Kalaburagi	287.7	100.0	186.7	
444	Providing additional 1 X 10MVA, 110kV Power Transformer at 110/33/11kV MUSS, Chowdapur.	Kalaburagi	Kalaburagi	298.1	100.0	197.1	
445	Mallapanahalli: Establishing 2x8MVA, 66/11kV Sub-Station with associated line	Tumakuru	Chitradurga	900.9	500.0	399.9	
446	Godabanalu : Establishing 2x12.5MVA, 66/11kV Sub-Station with associated line in Chitradurga Taluk & Dist.	Tumakuru	Chitradurga	1053.6	500.0	552.6	
447	Neralagunte: Establishing 1x12.5MVA, 66/11KV substation with associated line in Challakere Taluk ,Chitradurga dist	Tumakuru	Chitradurga	745.5	500.0	244.5	
448	a) Construction of 110KV LILÓ line to 110/11KV Kamalapura sub-station on the existing DC towers from the tapping point for a distance of 5.8Kms in Bellary Taluk and District. b) Construction of 110KV Terminal bay for the proposed 110KV LILÓ line at existing 110/11KV Kamalapura sub-station on the existing DC towers from the tapping point for a distance of 5.8Kms in Bellary Taluk and District.	Kalaburagi	Bellary	86.3	10.0	75.3	

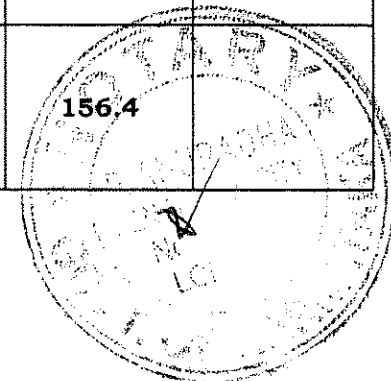
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
449	a) Construction of 110KV LILO line to 110/11KV Bisilahalli sub-station on the existing DC towers from the tapping point for a distance of 1.906Kms in Bellary Taluk & District. b) Construction of 110KV Terminal Bay for the proposed line to 110KV/11KV Bisilahalli Substation on the existing DC towers from the tapping point for a distance of 1.906Kms in Bellary Taluk & District.	Kalaburagi	Bellary	57.4	10.0	46.4	
450	Hampasagara: Enhancement of 1X6.3MVA, 66/11KV. Power Transformer by 1X12.5MVA, 66/11KV Power Transformer at 66/11KV Hampasagara Sub-station in H.B.Halli Taluk, Bellary District.	Kalaburagi	Bellary	151.8	50.0	100.8	
451	Vitla Sub-Station : Construction of 1 No. of 110KV Terminal Bay at existing 110KV Vitla substation for making LILO of the proposed 110KV Line from existing 110KV Netlamandur-Salethur SC Line for a Distance of 0.55 with 110KV MC towers.	Hassana	Dakshina Kannada	262.4	100.0	161.4	
452	Javagal: Replacement of 1 X 10 MVA, 110/11 KV power Transformer by 1 X 20 MVA 110/11KV power transformer at 110/11KV Javagal S/S in Arasikere Taluk	Hassana	Hassana	204.2	50.0	153.2	
453	Ramnathapura: Augmentation of 1x6.3MVA 66/11kv power transformer by 1x12.5 MVA 66/11 KV Power Transformer at 66/11 KV Ramanathapura S/s in Arakalagud Taluk, Hassan District.	Hassana	Hassana	207.4	50.0	156.4	

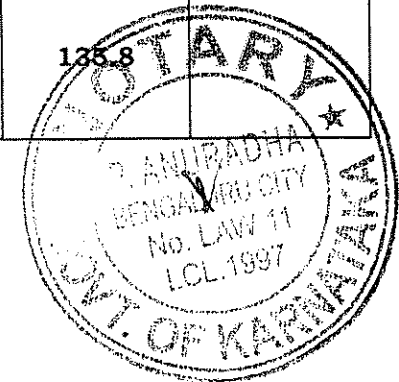
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
454	Bagur: Replacement of 1 X 8 MVA, 66/11 KV Power Transformer by 1 X 12.5 MVA, 66/11 KV Power Transformer at 66/11 KV Bagur S/S in C. R. Patna Taluk	Hassana	Hassana	166.9	50.0	115.9	
455	Belur: Replacement of 1x6.3MVA, 66/11kV Power Transformer-2 by 1x12.5MVA, 66/11 KV Power Transformer at 66/11KV Belur S/s in Belur Taluk, Hassan District	Hassana	Hassana	152.7	50.0	101.7	
456	Rameshwaranagara: Replacement of 2x8MVA, 66/11kV Power Transformer by 2x12.5MVA, 66/11KV Power Transformer at 66/11 KV Rameshwaranagara S/s in Hassan Taluk, Hassan District	Hassana	Hassana	292.4	50.0	241.4	
457	Basavaghatta Replacement of 2x8MVA, 66/11kV Power Transformers by 2x12.5MVA 66/11KV Power Transformers at 66/11KV Basavaghatta S/s in Hassan Taluk, Hassan District	Hassana	Hassana	282.1	50.0	231.1	
458	Halebeedu: Replacement of 1x12.5MVA, 66/11kV Power Transformer by 1x20 MVA 66/11KV Power Transformer at 66/11KV Halebeedu S/s in Belur Taluk, Hassan District	Hassana	Hassana	229.1	50.0	178.1	
459	Singapura: Enhancement of 1x8MVA, 66/11kV Power Transformer-2 by 1x12.5MVA 66/11 kV power transformer at 66/11kV Singapura S/s in Holenarasipura Taluk, Hassan District	Hassana	Hassana	186.8	50.0	136.8	

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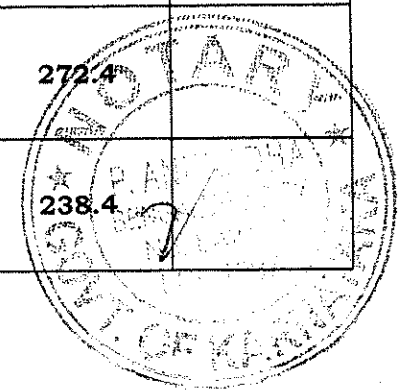
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
460	Shanivarsanthe: Providing additional 1X8MVA, 66/11kV Power Transformer at 66/11kV at Shanivarsanthe Substation Somavarpeta Taluk.	Hassana	Hassana	234.9	50.0	183.9	
461	Re-conductoring of the existing Lynx conductor by drake conductor of 110kV Kemar-Hiriyadka-Mudabidare DC line between Khemar 220kV substation and Kuntalpada village limits (from Loc 01 to Loc 16) for a distance of 1.727Kms in Karakala Taluk.	Hassana	Udupi	84.6	50.0	33.6	
462	Nittur: Replacement of 1x10MVA, 110/11KV Power Transformer by 1x20MVA, 110/11KV Power Transformer at 110/11kV Nittur S/s .	Hassana	Udupi	355.2	50.0	304.2	
463	Kundapura: Providing additional 1X20MVA, 110/11KV Power Transformer at existing 110/33/11kV Kundapura substation in Kundapura Taluk.	Hassana	Udupi	329.5	50.0	278.5	
464	Manipal: Providing additional 1X20 MVA, 110/11KV Power Transformer at 110/33/11KV Manipal Sub-station in Udupi Taluk and District.	Hassana	Udupi	440.7	50.0	389.7	
465	Karaya: Creating 33KV reference by installing 1x20MVA, 110/33KV Power Transformer at 110/11kV Karaya S/s in Belthangudi Taluk	Hassana	Dakshina Kannada	323.4	50.0	272.4	
466	Singtagere: Providing additional 1x10MVA, 110/11KV Power Transformer at 110/11kV Singtagere S/s Kadur Taluk	Hassana	Chikkamagaluru	289.4	50.0	238.4	

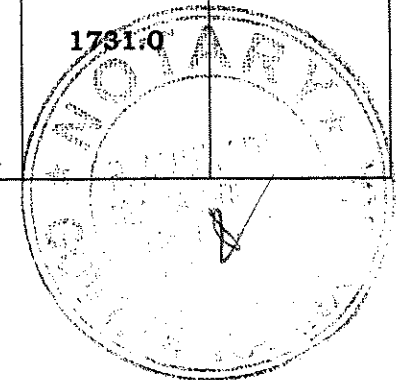
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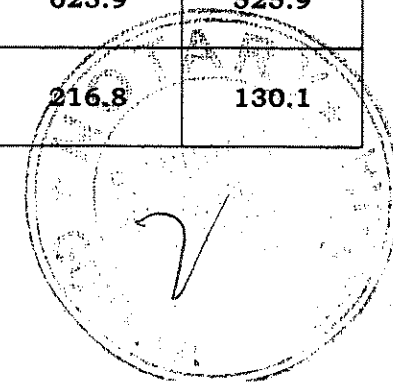
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
467	Tangli: Enhancement of 1 x 10MVA 110/11KV Power transformer 2 by 1 x 20 MVA, 110/11KV power transpower at 110/11kv Tangli S/s in Kadur Taluk.	Hassana	Chikkamagaluru	319.4	50.0	268.4	
468	Panchanahalli : Replacement of 1x6.3 MVA, 66/11 kV Power Transformer-2 by 12.5MVA, 66/11 kV power transformer at 66/11kv Panchanahalli sub-station, in Kadur Taluk, Chikkamagalur District	Hassana	Chikkamagaluru	277.3	50.0	226.3	
469	Holaluru: Replacement of 1x 8 MVA, 66/11KV Power transformer by 1x 12.5,66/11kv power transformer at 66/11kv Holalur S/s in Shivamogga taluk .	Hassana	Shimoga	148.8	50.0	97.8	
470	Linganamakki to Iduvani: Re-construction of two numbers of 110kv Dc lines from iduvani limits to Linganamakki power House in the existing corridor of 110kv JLT-3&4 DC line(4.6 Kms) and 110kv LST-3 &4 DC line, (4.7Kms) using Lynx conductor for a distance of 9.28kms in Shimoga District.	Hassana	Shimoga	566.8	50.0	515.8	
471	Magadi-Byadarahalli: Conversion of existing 66kv Byadarahalli-Magadi S/C line to DC line with Drake ACSR conductor using proposed 110kv Narrow based DC towers for a distance of 28.990Kms and 66Kv 1000sqmm, UG cable from existing 66/11Kv Byadarahalli station to U.G. cable terminating tower for a route length of 0.098 Kms.	Bengaluru	Bengaluru Urban Ramanagara	2232.0	500.0	1731.0	

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
472	Hosur Gate : Providing additional 1x8MVA, 66/11 KV Power Transformer at Hosur Gate S/s at Hunsur Taluk & Mysuru Dist.	Mysuru	Mysuru	230.8	50.0	179.8	
473	Gavadagere: Providing additional 1x8MVA, 66/11kV Power Transformer at Gavadagere substation Hunsur Taluk Mysuru District.	Mysuru	Mysuru	230.3	50.0	179.3	
474	Ajjipura: Establishing 1x8MVA, 66/11kV Sub-Station with associated line.	Mysuru	Chamarajana gara	645.2	300.0	345.2	
475	Alnavar: Up-gradation of 33/11KV sub-station to 2X10MVA, 110/11KV & 1x20 MVA, 110/33 kV Sub-station with 110 kV SC line from 110 kV Halyal S/S.	Bagalkote	Dharwad	1757.1	500.0	1257.1	
476	66KV D.B.Pura - Vijayapura line : Strengthening the 66KV D.B.Pura - Vijayapura line of covote conductor by drake	Bengaluru	Bengaluru rural	1586.0	500.0	1086.0	
477	Establishing 1x12.5 MVA, 66/11 kV sub-station at Vijapaura in Chitradurga Taluk & District.	Tumakuru	Chitradurga	550.5	100.0	450.5	
478	Yerahally Hand post : Upgradation of 33/11KV SS to 66/11KV SS.	Mysuru	Mysuru	935.1	100.0	467.5	367.5
479	Talagawadi / Dugganahalli limits : Establishing 1x12.5MVA, 66/11kV Sub-Station with associated line.	Mysuru	Mandya	863.0	100.0	431.5	331.5
480	Yakatpur (Mannalli): Establishment of 2x10MVA 110/11 kV S/S at Yakatpur (Mannalli)	Kalaburagi	Bidar	1251.8	100.0	625.9	525.9
481	Construction of 2nd circuit line from 220kV Shahapur to Khanapur on existing DC tower for a distance of 19.25 Kms & TB at both ends.	Kalaburagi	Yadgir	433.6	86.7	216.8	130.1

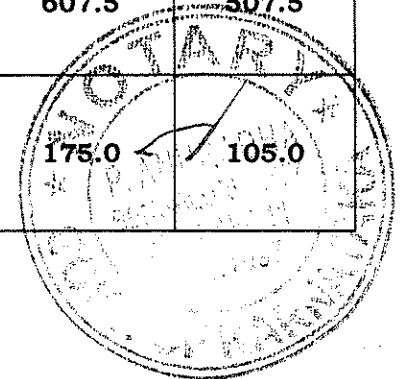
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
482	Sindagi: Establishing 220/110kV Receiving Station with associated 220kV and 110kV lines	Bagalkote	Bijapur	11180.0	300.0	5590.0	5290.0
483	110 KV S/S Alamel: Replacement of 1X10 MVA, 110/11 KV by 1X20 MVA, 110/11 KV transformer	Bagalkote	Vijayapura	202.0	40.4	101.0	60.6
484	B.Bagewadi - Shahabad-Moratagi line : Replacement of MS towers by GI towers along with conductor and ground wire from 220kV S/S B.Bagewadi to 220kV S/S Shahabad-up to Moratagi S/S (Loc.No194 to 415)	Bagalkote	Bijapur	3276.0	300.0	1638.0	1338.0
485	Construction of 110 KV SC Line Line on DC Towers with Lynx Conductor from 110 KV Ainapur to 110 KV Kagwad Sub Station for a distance of 25 Kms in Belagavi Dist (Approved 110 KV Link Line between proposed 110 KV Shiraguppi and existing 110 Kagwad Sub Station for a distance of 9 Kms)	Bagalkote	Belgaum	450.0	90.0	225.0	135.0
486	Conversion of 110 KV SC Line on SC Towers (Partially MS and Partially GI) by DC Line with GI Towers from 220 KV Mahalingpur S/S to 220 KV Athani S/s from Loc No-1 to 117 in Bagalkot and Belagavi Dist	Bagalkote	Belagavi-Bagalkot	1272.0	100.0	636.0	536.0
487	Conversion of 110 KV SC Line on SC towers to DC towers from 220 KV Mahalingpur S/S to 110 KV Yalaparhatti S/S in Bagalkot / Belagavi Dist	Bagalkote	Belagavi-Bagalkot	1215.0	100.0	607.5	507.5
488	110 kV S/S Aremallapura : Providing additional 1x10 MVA, 110/11 kV transformer at 110 kV Aremallapura sub-station, in Ranebennur Taluk, Haveri District	Bagalkote	Haveri	350.0	70.0	175.0	105.0

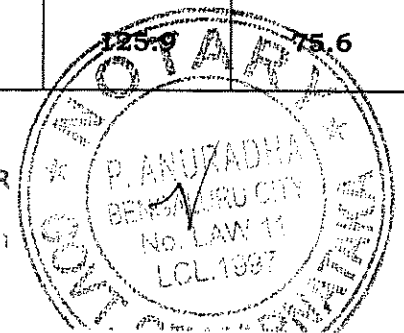
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
489	Halyal: Up-gradation of existing 33/11kV MUSS to 110/11kV Sub-Station with associated line.	Bagalkote	Belgaum	961.0	100.0	480.5	380.5
490	Providing spare 1X20MVA, 110/33-11KV Trfr at 110KV Sambapur Road Sub station in Gadag Taluk, Gadag District instead of providing at 110KV Mundaragi Sub station.	Bagalkote	Gadag	291.0	58.2	145.5	87.3
491	Replacement of 1x10 MVA, 110/11 kV transformer by 1x20 MVA, 110/11 kV transformer at 110 kV Tikota sub-station, in Vijayapura Taluk, Vijayapura District.	Bagalkote	Vijayapura	315.0	63.0	157.5	94.5
492	Creating 33kV reference by providing 1x20 MVA, 110/33 kV transformer along with 33kV bank & feeders bay at 110 kV Uchagaon sub-station in Belgavi Taluk & District.	Bagalkote	Belgaum	446.0	89.2	223.0	133.8
493	Creating 33kV reference by providing 1x20MVA, 110/33 kV Power Transformer at 110kV Taushi (Balligeri) sub station in Athani Taluk.	Bagalkote	Belgaum	340.0	68.0	170.0	102.0
494	New proposal for alternate power supply to 110kV Akshay Colony S/s to 110kV Tarihal S/s by installing 110kV U.G. Cables for about 5 kms.	Bagalkote	Dharwad	5564.0	500.0	2782.0	2282.0
495	Replacement of 1 x 6.3 MVA, 66/11kV Power Transformer by 1 x 12.5 MVA, 66/11kV Power transformer at 66/11kV Magge Sub-station in Alur Taluk, Hassan District.	Hassana	Hassana	145.8	87.5	58.3	
496	Providing additional 1 x 20 MVA, 110/11kV Transformer at 110/33/11kV Kulashekar station in Mangaluru Taluk, D.K. District.	Hassana	Dakshina Kannada	251.9	50.4	125.9	75.6

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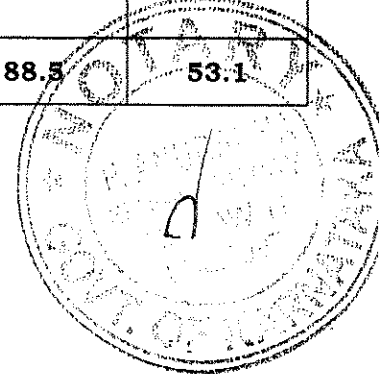
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
497	Replacement of 1 x 10MVA, 110/11kV Power Transformer by 1 x 20MVA, 110/11kV Power Transformer at 110/11kV Muthinakoppa sub-station, Narasimharajapura (N.R. Pura) Taluk and Shivamogga District	Hassana	Shimoga	266.3	159.8	106.5	
498	Kammaradi: Providing additional 1X10MVA Power Transformer at 110/11kV sub-station.	Hassana	Shimoga	269.2	161.5	107.7	
499	Providing additional 1x8MVA, 66/11kV Power Transformer with additional 11 kV switchgears 1I/C+3F+1C @ 66/11kV Bandishettyhally Sub-station, Holenarasipura Taluk, Hassan District	Hassana	Hassana	217.0	130.2	86.8	
500	Thirthahalli: Enhancement of 1X10MVA Power Transformer -2 by 20MVA capacity power transformer at 110/33/11kV substation	Hassana	Shimoga	289.6	173.8	115.9	
501	Mattanavile: Augmentation of 1x8MVA, 66/11kV Power Transformer by 1x12.5MVA@Mattanavile S/s in Channarayapattana Taluk, Hassan District	Hassana	Hassana	162.5	97.5	65.0	
502	Providing LILO arrangement to 66/11kV Attichowdanahally Sub-station from 66kV Channarayapatna-Malali SC line in C.R. Patna Taluk in Hassan District	Hassana	C.R.PATNA	154.7	92.8	61.9	
503	Hassan 220: Providing additional 1x100 MVA, 220/66kV power transformer at 220/66 kV Hassan Receiving station in Hassan District.	Hassana	Hassana	922.9	100.0	461.4	361.4
504	Providing LILO arrangement 110KV SS2 line 110/11KV MUSS at Kumsi sub-station.	Hassana	Shimoga	177.0	35.4	88.5	53.1

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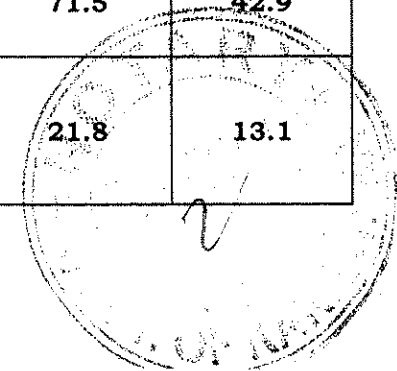
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
505	Yagati: Enhancement of 1 x 10MVA, 110/11kV power transformer No.1 by 1 x 20MVA, 110/11kV sub-station Yagati, Kadur Taluk, Chikkamagaluru Dist.	Hassana	Chikkamagaluru	301.2	60.2	150.6	90.3
506	Providing additional 1x8 MVA, 66/11 kV transformer at 66 kV Sokke sub-station.	Tumakuru	Davanagere	329.0	197.4	131.6	
507	Augementation of existing 1x5 MVA by 1x12.5 MVA at 66/11 kV Venkatapura sub-station.	Tumakuru	Tumakuru	144.0	28.8	72.0	43.2
508	Replacement of 1x12.5 MVA, 66/11 kV power transformer by 1x20 MVA, at 66/11 kV Pavagada sub-station.	Tumakuru	Tumakuru	210.0	42.0	105.0	63.0
509	Hosakere_Madhugiri: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA,66/11kV Transformer.	Tumakuru	Tumakuru	143.0	28.6	71.5	42.9
510	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Nagalamadike sub-station.	Tumakuru	Tumakuru	143.0	28.6	71.5	42.9
511	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Holavanahalli sub-station.	Tumakuru	Tumakuru	143.0	28.6	71.5	42.9
512	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Pulamaghatta sub-station.	Tumakuru	Tumakuru	143.0	28.6	71.5	42.9
513	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Badavanahalli sub-station.	Tumakuru	Tumakuru	143.0	28.6	71.5	42.9
514	Providing LILO arrangement to 66 kV Harihara sub-station from 66 kV Harihara-Hospet line at Loc. 78-79 by stringing SC on DC tower.	Tumakuru	Tumakuru	43.5	8.7	21.8	13.1

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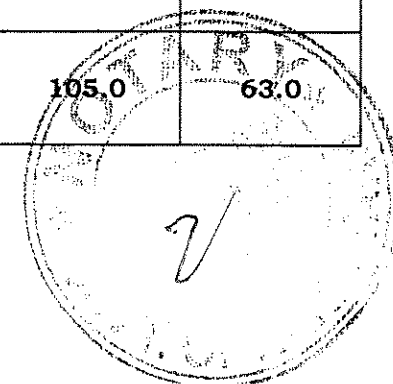
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
515	Augementation of existing 1x6.3 MVA by 1x12.5 MVA at 66/11 kV Rampura sub-station.	Tumakuru	Tumakuru	155.0	31.0	77.5	46.5
516	Providing additional 1x100 MVA, 220/66 kV transformer at 220/66 kV Thallak sub-station.	Tumakuru	Tumakuru	920.0	100.0	460.0	360.0
517	Augementation of existing 1x6.3 MVA by 1x12.5 MVA at 66/11 kV Turuvanur sub-station.	Tumakuru	Chitradurga	150.0	30.0	75.0	45.0
518	Augementation of existing 1x12.5 MVA by 1x20 MVA at 66/11 kV Chitradurga sub-station.	Tumakuru	Chitradurga	210.0	42.0	105.0	63.0
519	Augementation of existing 1x12.5 MVA by 1x20 MVA at 66/11 kV Aimangala sub-station.	Tumakuru	Chitradurga	210.0	42.0	105.0	63.0
520	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Chitrahalli sub-station.	Tumakuru	Chitradurga	140.0	28.0	70.0	42.0
521	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Sirigere sub-station.	Tumakuru	Chitradurga	140.0	28.0	70.0	42.0
522	Replacement of 1x8 MVA, 66/11 kV power transformer by 1x12.5 MVA at 66/11 kV Balenahalli sub-station.	Tumakuru	Chitradurga	140.0	28.0	70.0	42.0
523	Augementation of existing 1x12.5 MVA by 1x20 MVA at 66/11 kV Nayakanahatti sub-station.	Tumakuru	Chitradurga	210.0	42.0	105.0	63.0

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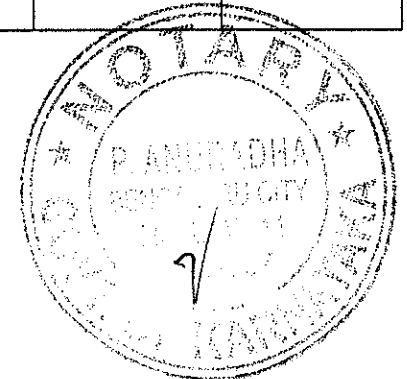
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
524	Augementation of existing 2x12.5 MVA by 2x20 MVA at 66/11 kV Bharamasagar sub-station.	Tumakuru	Chitradurga	400.0	80.0	200.0	120.0
525	Replacement of 2x8 MVA, 66/11 kV power transformer by 2x12.5 MVA at 66/11 kV Hireguntur sub-station.	Tumakuru	Chitradurga	288.0	57.6	144.0	86.4
526	Replacement of 1x8 MVA, 66/11 kV power transformer-II by 1x12.5 MVA at 66/11 kV Kurubarahalli sub-station.	Tumakuru	Chitradurga	144.0	28.8	72.0	43.2
527	Kanakapura: Providing 1X100MVA, 220/66kV Power transformer as SPARE with associated terminal bay.	Bengaluru	Ramanagara	900.0	100.0	450.0	350.0
528	Kanakapura : Providing 1X20MVA, 66/11kV Power transformer as a SPARE at Kanakapura 66/11kV S/s with associated bay equipments	Bengaluru	Ramanagara	307.0	61.4	153.5	92.1
529	Erection of 1X20MVA spare power transformer by extending existing 66KV bay at 66/11 KV sub station, Gudemaranahalli in TL&SS Division, Nelamangala.	Bengaluru	Ramanagara	256.0	51.2	128.0	76.8
530	Audugodi GIS: Conversion of existing 66/11 kV Audugodi substation(AIS) to GIS substation	Bengaluru	Bangalore Urban	4483.0	500.0	2241.5	1741.5
531	Establishing 2x500 MVA ,400/220 kV GIS sub-station at existing SRS, Peenya premises	Bengaluru	Bangalore Urban	43345.9	8500.0	10000.0	20000.0

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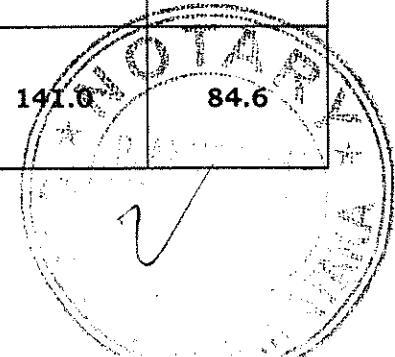
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
532	Establishing 2X150MVA, 220/66/11kV Sub-Station at Nagarbhavi, Bangalore North Taluk, Bangalore Urban District - 220 kV Incoming lines. Further it was instructed to CEE, TRZ, Bengaluru to explore the alternate 220 kV incoming line to proposed Nagarbhavi s/s in view of upstream loading restriction at proposed 400 kV Peenya s/s .	Bengaluru	Bangalore Urban	5410.0	100.0	1500.0	3000.0
533	A) Providing 3rd 500 MVA, 400/220kV Power Transformer and 220kV Terminal bays at KIADB Hardware Park, Devanahalli, Bengaluru Rural District.	Bengaluru	Bengaluru Rural	2820.0	564.0	1410.0	846.0
534	B) Providing alternate 66 kV source to 66 kV Vidyanagar sub-station by running 1000sqmm UG Cable from 220 kV Devanahalli Hardware Park sub-station for a distance of 9.1 km. c) 4 runs of 220 kV UG cable from 400 kV DWHP to link 220 kV Nelamangala-Hoody DC line.	Bengaluru	Bengaluru Rural	28210.0	3000.0	14105.0	11105.0
535	Work of providing 66kV alternate source to 66/11kV Brigade Metropolis by tapping existing 66kV HAL-1 or 2 line (Bagmane 1 or 2 feeding from 220/66kV Hoody) by laying 66kV, 1000sq mm single circuit XLPE insulated copper UG cable	Bengaluru	Bengaluru Urban	130.7	26.1	65.3	39.2
536	Bommasandra I/A: Providing 1X20MVA, 66/11kV Power transformer as a SPARE at Bommasandra I/A 66/11kV S/s with associated bay equipments	Bengaluru	Bengaluru Rural	256.0	51.2	128.0	76.8
537	Augmentation of 2 No.s of existing 8 MVA, 66 /11 kV transformers by 2 X 12.5MVA 66/11 kV transformers at 220/66/11 kV T K Halli sub-station.	Bengaluru	Bengaluru Rural	281.9	56.4	141.0	84.6

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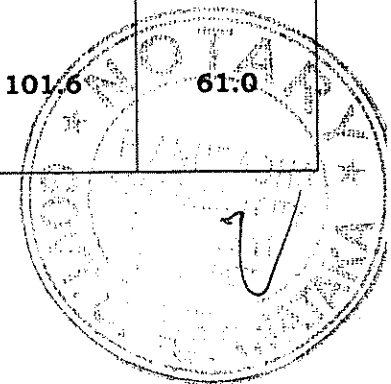
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
538	Providing additional 12.5 MVA Transformer-2 at 66/11 kV Sankalgere sub-station in Channapatna Taluk, Ramanagara District	Bengaluru	Ramanagara	257.7	51.5	128.8	77.3
539	Doddaballapura : Providing additional 1X100MVA, 220/66kV Power transformer at Doddaballapura S/s.	Bengaluru	Bengaluru Rural	1030.4	100.0	515.2	415.2
540	KGF : Replacing 1x8MVA, 66/11kV by 1x12.5MVA, 66/11kV Transformer	Bengaluru	Kolar	202.5	40.5	101.3	60.8
541	Releasing the overload on 66kV Gowribidanur-Peresandra S/C line by making LILO arrangement from 66/11kV S/s Somenahalli to Somenahalli tap point.	Bengaluru	CB Pura	156.5	31.3	78.2	46.9
542	Gownpalli : Establishing 2x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	Kolar	1141.9	100.0	570.9	470.9
543	220/66/11kV NRS Doddaballapura to CBPura 1 &2 DC lines: Replacement of coyote ACSR by Drake ACSR conductor	Bengaluru	Bengaluru Rural	1156.7	100.0	578.4	478.4
544	Bangarpet: Replacing second 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV Transformer	Bengaluru	Kolar	212.2	42.4	106.1	63.7
545	Augmentation of 1x12.5MVA Power Transformer-I by 1x20MVA Power Transformer at 66/11KV Vemagal Sub-station in Kolar Taluk of TL & SS Division Kolar.	Bengaluru	Kolar	189.2	37.8	94.6	56.8
546	Augmentation of 1x8MVA by 1x20MVA Power Transformer (Instead of DPR approved for replacement of 1X8MVA by 1x12.5MVA Power Transformer) at 66/11KV Addagal Sub-station in Srinivasapura Taluk, Kolar district.	Bengaluru	Kolar	203.3	40.7	101.6	61.0

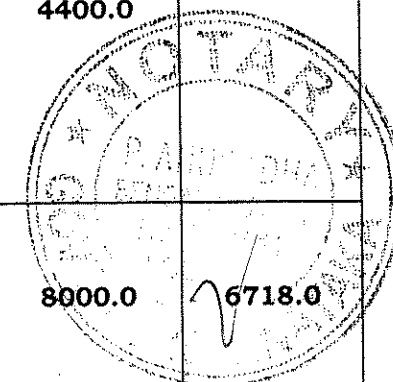
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
547	Jigani-RBI - Strengthening 66kV Jigani-2A & 2B circuit lines from Coyote to Drake in the existing corridor from RBI tapping point(Kotthur dinne) to Jigani.	Bengaluru	Bengaluru Rural	1010.2	100.0	505.1	405.1
548	Sarjapura station to 66 kV Lakkur : Construction of 66 kV DC line from 220 kV Sarjapura station to 66 kV Lakkur sub-station	Bengaluru	Bengaluru Urban	698.0	139.6	349.0	209.4
549	Providing 66KV, 1000sqmm cable from existing Jigani 1/2 line to 66/11kV Anjanapura S/s for a distance of 3.5 Kms.	Bengaluru	Bengaluru Urban	1516.0	200.0	758.0	558.0
550	Augmentation of 2x20MVA Power Transformers by 2x31.5MVA Power Transformer at 66/11KV Koramangala Sub-station in Bengaluru.	Bengaluru	Bengaluru Urban	537.6	107.5	268.8	161.3
551	Establishing 1x12.5 MVA, 66/11 kV sub-station at Mandur in Bengaluru East Taluk, Bengaluru Urban District and construction of 66 kV SC line on DC towers from the proposed 66/11 kV Budigere sub-station and linking the line to the tower No. 39 of proposed 66 kV SC Hoskote-Mandur line for a distance of 9.0 Kms and construction of 66 kV TB at Budigere Sub-station for terminating the proposed 66 kV Hosakote - Mandur line Alternative routes by constructing 66 kV UG cable.	Bengaluru	Bangalore Urban	5400.0	1000.0	4400.0	
552	Establishing 2x150 MVA, 220/66 kV sub-station at HBR Layout along with 220 kV Incoming line and additional 220 kV evacuation lines from 400/220 kV Devanahalli to link 220kV Nelamangala-Hoody DC line	Bengaluru	Bangalore Urban	16718.0	2000.0	8000.0	6718.0

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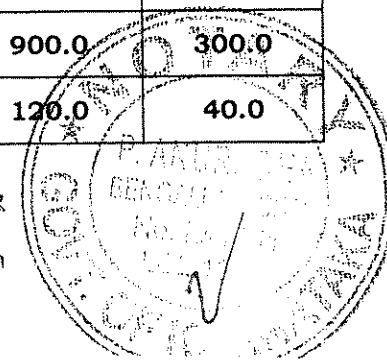


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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
553	Construction of 220 kV multi-circuit, multi-voltage line between 400/220 kV Somanahalli and 220/66 kV Subramanyapura s/s in the existing 66 kV line corridor.	Bengaluru	Bangalore Urban	8030.0	1000.0	3000.0	4030.0
554	Hunsur: Establishing 220kV Station with 220kV line and 66kV evacuation lines .	Mysuru	Mysuru	6000.0	100.0	2000.0	3000.0
555	Adakanahalli: Establishing 2X100MVA, 220/66kV R/s & 2X12.5MVA66/11kV S/s with associated lines	Mysuru	Mysuru	8000.0	100.0	2000.0	4000.0
556	Providing spare 1X100MVA, 220/66kV Power transformer at 220/66kV Malur sub-station.	Bengaluru	Kolar	700.0	10.0	190.0	500.0
557	Attur Yelahanka: Providing additional 1x31.5 MVA, 66/11kV Transformer	Bengaluru	Bengaluru Urban	250.0	10.0	90.0	150.0
558	220kV R/S Gowribidanur: Additional 1x20. MVA, 66/11kV Transformer with 66kV Bay	Bengaluru	CB Pura	200.0	10.0	70.0	120.0
559	Tamaka : Replacing 1x12.5MVA, 66/11kV by 1x20MVA, 66/11kV Transformer	Bengaluru	Kolar	180.0	10.0	50.0	120.0
560	Pottery Road: Replacing 1x20MVA, 66/11kV by 1x31.5MVA, 66/11kV Transformer along with one incommer pannel	Bengaluru	Bengaluru Urban	250.0	5.0	95.0	150.0
561	LR bande: Replacing 1x20MVA, 66/11kV by 1x31.5MVA, 66/11kV Transformer along with one incommer panel	Bengaluru	Bengaluru Urban	250.0	5.0	50.0	195.0
562	Augmentation of 2*100MVA by 2*150MVA Power Transformer 2 & 3 at 220kV R/S Hoody	Bengaluru	Bengaluru Urban	1500.0	300.0	900.0	300.0
563	Providing additional 1x20MVA Power Transformer in 66/11kV Elita station	Bengaluru	Blore	200.0	40.0	120.0	40.0

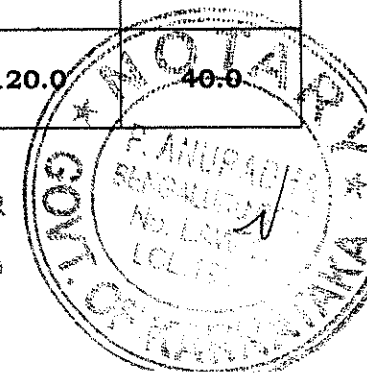
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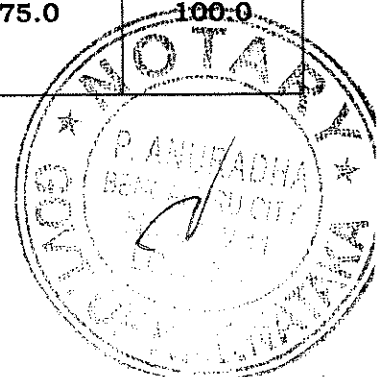
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
564	Viduraswatha: Replacing 1x8MVA, 66/11kV by 1x20MVA, Power Transformer-II 66/11kV transformer at 66/11kV Muss Viduraswatha	Bengaluru	CB Pura	200.0	10.0	70.0	120.0
565	Providing additional 31.5MVA transformer at BTM 4th phase	Bengaluru	Bengaluru Urban	250.0	50.0	150.0	50.0
566	Providing 1X12.5MVA, 66/11kV Power transformer as a SPARE at Ganjigunte 66/11kV S/s with associated bay equipments	Banagaluru	Chikkaballapura	180.0	5.0	75.0	100.0
567	D Cross: Providing 1X12.5MVA, 66/11kV Power transformer as spare power transformer with associated bay at D-cross s/s	Banagaluru	Bengaluru Rural	180.0	5.0	75.0	100.0
568	Erection of 1X20MVA spare power transformer by extending existing 66KV bay at 66/11 KV sub station, Gudemaranahalli in TL&SS Division, Nelamangala	Bengaluru	Ramnagar	200.0	40.0	120.0	40.0
569	Erection of 1X20MVA spare power transformer by extending existing 66KV bay at 66/11 KV sub station, Kodigehalli in TL&SS Division, Nelamangala	Bengaluru	Bengaluru Urban	200.0	40.0	120.0	40.0
570	Goppenhalli: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA, 66/11kV Transformer.	Tumakuru	Davanagere	180.0	36.0	108.0	36.0
571	Challakere: Providing Additional 1x12.5 MVA, 66/11kV Power Transformer.	Tumakuru	Chitradurga	180.0	5.0	75.0	100.0
572	Hosadurga: Replacing 1x12.5 MVA, 66/11kV by 1x 20 MVA, 66/11kV Transformer.	Tumakuru	Chitradurga	200.0	5.0	75.0	120.0
573	Honnnavalli: Replacing 1x10 MVA, 110/11kV by 1x 20 MVA, 110/11kV Transformer.	Tumakuru	Tumakuru	200.0	40.0	120.0	40.0

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
574	Bevinahalli: Replacing 1x8MVA, 66/11kV by 1x 12.5MVA, 66/11kV Transformer.	Tumakuru	Tumakuru	180.0	36.0	108.0	36.0
575	Chikkanayakanahalli: Replacing 1x10 MVA, 110/11kV by 1x 20 MVA, 110/11kV Transformer	Tumakuru	Tumakuru	200.0	40.0	120.0	40.0
576	Replacement of existing 1x8 MVA power transformer-1 by 1x20 MVA power transformer and 1x8 MVA power transformer-2 by 1x12.5 MVA power transformer at 66/11 kV Anagodu sub-station in Davanagere Taluk, Davanagere District-	Tumakuru	Davanagere	200.0	5.0	95.0	100.0
577	Replacement of existing 1x8 MVA power transformer-1 by 1x20 MVA power transformer at 66/11 kV Kora sub-station in Tumakuru Taluk, Tumakuru District	Tumakuru	Tumakuru	200.0	5.0	95.0	100.0
578	Providing additional 1x12.5 MVA, 66/11 kV Power Transformer at 220/66/11 kV Station Neelagunda in Harapanahalli Taluk, Davanagere District	Tumakuru	Davanagere	180.0	5.0	75.0	100.0
579	Replacement of 1x8 MVA; 66/11 kV Power Transformer-II by 1x12.5 MVA, 66/11 kV Power Transformer at 66/11kV Station at Kurubarahalli in Harihara Taluk, Davanagere District	Tumakuru	Davanagere	180.0	36.0	108.0	36.0
580	Replacement of existing 1x8 MVA power transformer 2 by 1x12.5 MVA power transformer with 2 No.s of additional 11 kV Switchgears at 66/11 kV Garaga sub-station in Hosadurga Taluk, Chitradurga District.	Tumakuru	Chitradurga	180.0	5.0	75.0	100.0

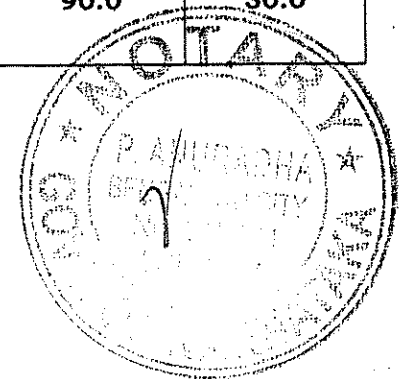
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
581	Replacement of existing 1x8 MVA power transformer by 1x12.5 MVA power transformer at 66/11 kV Nyamathi Sub-station in Honnali Taluk, Davanagere District.	Tumakuru	Davanagere	180.0	5.0	75.0	100.0
582	Replacement of existing 1x8 MVA power transformer-1 by 1x12.5 MVA power transformer at 66/11 kV sub-station Mavinakatte in Davanagere Taluk, Davanagere District.	Tumakuru	Davanagere	180.0	5.0	75.0	100.0
583	For replacement of existing 1x6.3 MVA power transformer-1 by 1x12.5 MVA power transformer at 66/11 kV Benkikere sub-station in Channagiri Taluk, Davanagere District	Tumakuru	Davanagere	180.0	5.0	75.0	100.0
584	Providing 1 x 100MVA, 220/66KV Power Transformer with 66KV bus coupler and 4 Nos. of 66kV bays at 220KV MRS Shivamogga	Hassana	Shimoga	700.0	10.0	300.0	390.0
585	Providing additional 1x8 MVA, 66/11 kV transformer at 220/66/11KV Sub-station, Mugalavalli in Chikkamagalure Taluk, Chikkamagalure District.	Hassana	Chikkamagalur	150.0	30.0	90.0	30.0
586	Providing spare 1x12.5 MVA, 66/11 kV transformer at 220/66/11KV Sub-station, Mugalavalli in Chikkamagalure Taluk, Chikkamagalure District.	Hassana	Chikkamagalur	150.0	30.0	90.0	30.0
587	Providing spare 1x12.5 MVA, 66/11 kV transformer at 66/11KV Sub-Station, Juttanahalli in Channarayapatna Taluk, Hassan District.	Hassana	Hassan	150.0	30.0	90.0	30.0

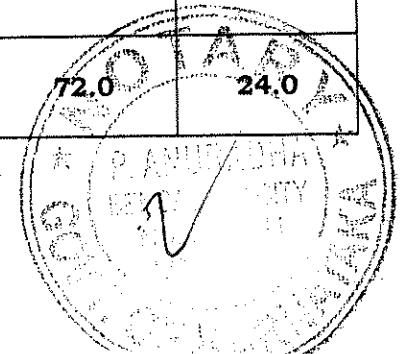
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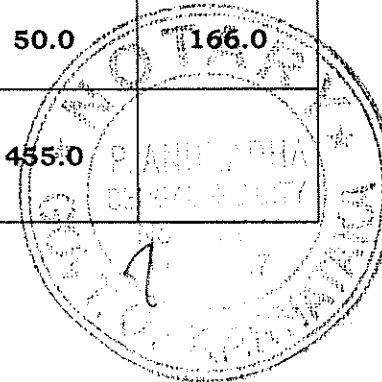
Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
588	Enhancement of 1x5MVA, 66/11kV Power Transformer-1 by 1x8MVA, 66/11kV Power Transformer along with additional two numbers SWGs (one number in each 11kV Bank) with strengthening of 11kV ODS and Providing Metering & Protection to 66kV Incoming line and strengthening of 66kV ODS (replacement of existing coyote conductor by drake) with necessary civil works (viz replacement of un even and un-sized jelly as per standards and formation of Cable duct) at 66/11kV Hallymysore sub-station in Holenarasipura Taluk, Hassan District.	Hassana	Hassan	200.0	10.0	90.0	100.0
589	Enhancement of existing 1x10 MVA 110/33KV Power Transformer-1 by 1 x20 MVA,110/33kv power transformer at 110/33/11kV Sagar Sub-station in Sagar Taluk, Shivamogga District.	Hassana	Shivamogga	200.0	10.0	90.0	100.0
590	Kadakola R/S : Spare 1X100 MVA 220/66/11kV Power Transformer	Mysuru	Mysuru	700.0	10.0	200.0	490.0
591	Doddainduvadi : Replacing 1X8 MVA,66/11 KV transformers by 1X12.5 MVA transformers.	Mysuru	Chamarajana gar	180.0	10.0	70.0	100.0
592	Madhuvanahalli : Replacing 1X6.3 MVA,66/11 KV transformers by 1X12.5 MVA transformers .	Mysuru	Chamarajana gar	113.0	22.6	67.8	22.6
593	Sathegala : Replacing 1X6.3 MVA,66/11 KV transformers by 1X12.5 MVA transformers .	Mysuru	Chamarajana gar	150.0	30.0	90.0	30.0
594	Yelandur : Replacing 2 nd 8 MVA,66/11, KV transformers by 1X12.5 MVA transformers .	Mysuru	Chamarajana gar	120.0	24.0	72.0	24.0

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
595	Chunchanakatte: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	150.0	30.0	90.0	30.0
596	Berya: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	150.0	30.0	90.0	30.0
597	Hura: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	180.0	10.0	70.0	100.0
598	Antharasanthe: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	150.0	30.0	90.0	30.0
599	B.Matkere: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	150.0	30.0	90.0	30.0
600	Ramapura : Replacement of 2X8MVA, 66/11kV Power Tr. By 2X12.5MVA Tr.	Mysuru	Chamarajana gara	226.0	10.0	116.0	100.0
601	Martalli : Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Chamarajana gara	150.0	10.0	50.0	90.0
602	DMG Halli : Replacement of 1 X 8 MVA, 66/11 KV Power Transformer by 1 X 12.5 MVA	Mysuru	Mysuru	120.0	24.0	72.0	24.0
603	Nanjangud : Replacement of 1 X 8MVA, 66/33 KV Power Transformer by 1 X 12.5 MVA, 66/33/11 KV.	Mysuru	Mysuru	120.0	24.0	72.0	24.0
604	Doora: Providing additional 1x8MVA, 66/11kV Power Tr.	Mysuru	Mysuru	150.0	10.0	50.0	90.0
605	Megalapura : Replacement of 2nd 8MVA, 66/11kV Power Tr. By 12.5MVA Tr.	Mysuru	Mysuru	120.0	24.0	72.0	24.0
606	K.Honnalagere: Replacement of 2 X 8 MVA, 66/11 KV Power Transformer by 2 X 12.5 MVA, 66/11 KV.	Mysuru	Mandya	226.0	10.0	50.0	166.0
607	Belagavi: Providing 3 rd 100 MVA ,220/11 KV Transformer at 220 KV Belagavi Receiving Station , Belagavi Dist	Bagalkote	Belagavi	755.0	250.0	455.0	

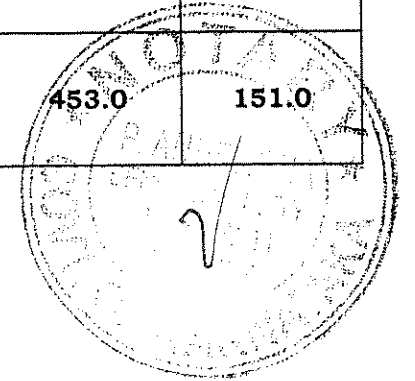
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
608	Katkol: Augmentation of 10 MVA ,110/11 KV by 20 MVA, 110/11 KV Power Transformer at 110 KV S/S Katkol	Bagalkote	Belagavi	235.0	47.0	141.0	47.0
609	110 kV S/S Tumminakatti : Creating 33 kV reference by installing 1x20 MVA, 110/33 kV transformer at 110 kV Tumminakatti sub-station, in Ranebennur Taluk, Heveri District	Bagalkote	Haveri	285.0	57.0	171.0	57.0
610	Yalparahatti: Providing additional 1x10MVA, 110/11KV Power Transformer	Bagalkote	Belgaum	185.0	37.0	111.0	37.0
611	Sirsi: Providing additional 1X50MVA,220/110kV Trf at 220kV Sirsi(Else) S/S.	Bagalkote	Uttara Kannada	650.0	10.0	300.0	340.0
612	Hirehal:Replacement of 1X10MVA,110/33kV Trf by 1X20MVA,110/33kV Trf at Hirehal S/S and RON:Replacement of 1X20MVA,110/33kV Trf by 1X10MVA,110/33kV Trf at Ron S/S.	Bagalkote	Gadag	450.0	90.0	270.0	90.0
613	Mundargi:Replacement of 1X10MVA,110/11kV Trf by 1X20MVA,110/11kV Trf at Mundargi S/S.	Bagalkote	Gadag	235.0	47.0	141.0	47.0
614	Providing Addl 1X10MVA, 110/11KV Trfr at 110KV Hosa Honnatti Sub station in Ranebennur Taluk, Haveri District.	Bagalkote	Haveri	185.0	37.0	111.0	37.0
615	Replacement of 1X10MVA, 110/33KV Trfr by 1X20MVA, 110/33KV Trfr at 110KV Dambal Sub station in Mundaragi Taluk, Gadag District.	Bagalkote	Gadag	235.0	47.0	141.0	47.0
616	Replacement of 1X10MVA, 110/11KV Trfr by 1X20MVA, 110/11KV Trfr at 110KV Tiluvalli Sub station in Hanagal Taluk, Haveri District.	Bagalkote	Haveri	185.0	37.0	111.0	37.0
617	220 KV Chikkodi Providing additional 3rd 1X100 MVA ,220/110 KV Power Transformer at 220/110/11 KV Chikkodi Sub Station in Belagavi District	Bagalkote	Belagavi	755.0	151.0	453.0	151.0

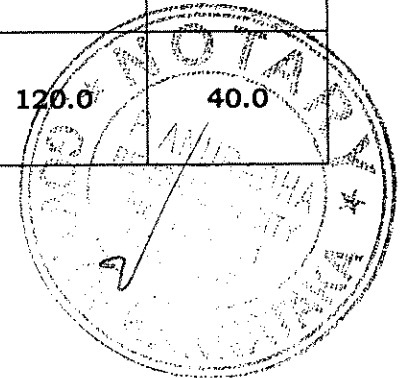
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
618	110 KV S/S Yalapharatti Creating 33 KV reference by installing 1X20 MVA ,110/33 KV Transformer at 110 KV Yalapharatti Sub station in Raibag Taluka, Belagavi Dist	Bagalkote	Belagavi	235.0	47.0	141.0	47.0
619	110 KV S/S Sadalaga Providing spare 1X10 MVA,110/33-11 KV Transformer at 110 KV Sadalaga Sub -Station in Chikkodi Taluka, Belagavi Dist	Bagalkote	Belagavi	185.0	37.0	111.0	37.0
620	220 KV Ghataprabha Providing additional 1X100 MVA ,220/110 KV Power Transformer at 220/110/11 KV Ghataprabha Sub Station in Belagvai District	Bagalkote	Belagavi	755.0	151.0	453.0	151.0
621	110 KV Udyambagh Creating 33 KV Reference by providing additional 1X20 MVA 110/33 KV Transformer at 110 KV Udyambagh Sub Station in Belagavi Taluka, Belagavi Dist	Bagalkote	Belagavi	235.0	47.0	141.0	47.0
622	Jambagi K.D.: Providing additional 1x10 MVA, 110/11 KV Transformer at 110 KV Jambagi K.D. S/S in Mudhol Tq. Bagalkot Dist.	Bagalkote	Bagalkote	182.0	36.4	109.2	36.4
623	Additional 100 MVA, 220/110 kV transformer at 220/110/11 KV Athani	Bagalkote	Belgaum	750.0	50.0	200.0	500.0
624	Allipur: Providing spare 100 MVA, 220/110 kV Power Transformer at 220 kV R/S Allipur	Kalaburagi	Bellary	700.0	140.0	420.0	140.0
625	Raichur: Providing spare 10 MVA, 110/11 kV Power Transformer at 220 kV R/S Raichur	Kalaburagi	Raichur	150.0	30.0	90.0	30.0
626	Mukkunda: Replacement of 1x10MVA by 1x20MVA 110/11KV Power Transformer at 110KV S/S Mukkunda	Kalaburagi	Raichur	200.0	40.0	120.0	40.0

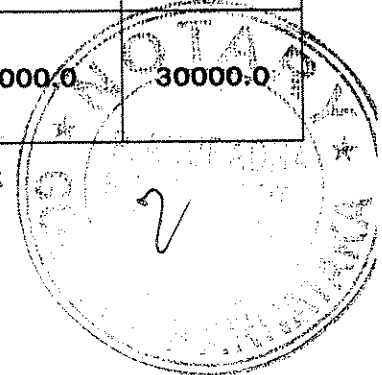
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
627	Turvihal: Replacement of 1x10MVA by 1x20MVA 110/11KV Power Transformer at 110KV S/S Turvihal.	Kalaburagi	Raichur	200.0	40.0	120.0	40.0
628	66KV S/S Hoovinahadagali: Augumentation 6.3MVA by 12.5 MVA Trf	Kalaburagi	Ballari	180.0	36.0	108.0	36.0
629	Enhancement of 1x10MVA, 110/11kV Power Transformer No-1 by 1x20 MVA, 110/11kV Power Transformer at 110/11kV S/S Chidri	Kalaburgi	Bidar	200.0	40.0	120.0	40.0
630	Manihambal: Establishing 1X8 MVA, 66/11 kV s/s with construction of 66kV SC line on DC towers from existing 66kV Maralawadi S/s for a distance of 7kms.	Bengaluru	Ramanagara	450.0	180.0	225.0	45.0
631	Establishing 2X150MVA, 220/66/kV Gas Insulated Switchgear sub-station at Shobha Dreams	Bengaluru	Bangalore Urban	10000.0	1000.0	3000.0	5000.0
632	Huliyurdurga 220/66 kV: Establishing 2x100 MVA, 220/66 kV sub-station at Huliyurdurga.	Tumakuru	Tumakuru	9473.4	100.0	1000.0	7000.0
633	Srinivasapura: Establishing 2x100MVA, 220/66kV Station with associated lines	Bengaluru	Kolar	8000.0	10.0	100.0	6000.0
634	Anathanagara: Establishing 2x31.5MVA, 66/11kV Sub-Station with associated line at anekal taluk.	Bengaluru	Bengaluru	1500.0	10.0	500.0	990.0
635	Thorlakki: Establishing 2x8MVA, 66/11kV Sub-Station with associated line	Bengaluru	Kolar	500.0	100.0	250.0	150.0
636	400kV S/s Dommasandra: Establishing 2X500 MVA; 400/220kV GIS Sub-station at Dommasandra with associated 400kV source line and 220kV evacuation lines.	Bengaluru	Bengaluru Rural	45000.0	1000.0	3000.0	30000.0

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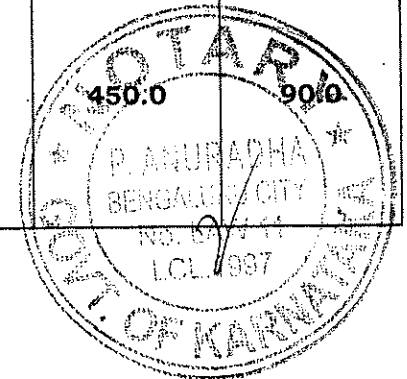
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
637	Kudapura : Establishing 2x8MVA, 66/11kV Sub-Station with associated line in Challakere Tq & Chitradurga Dist.	Tumakuru	Chitradurga	750.0	150.0	375.0	75.0
638	Arasikere: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Tumakuru	Davanagere	550.0	110.0	275.0	55.0
639	Establishing 2X100MVA, 220/66 kV Sub-Station at P D Kote in Hiriyur Taluk, Davanagere District.	Tumakuru	Davanagere	8500.0	100.0	3000.0	5000.0
640	Establishing 2X100MVA, 220/66 kV Sub-Station near 66/11 kV Hangal sub-station, Davanagere District.	Tumakuru	Davanagere	8500.0	100.0	3000.0	5000.0
641	Establishing 1x8 MVA, 66/11 kV Sub-station at Harakanalu (Hulikatte Cross) in Harapanahalli Taluk, Davanagere District by constructing 66kV LILO line on DC towers from 66kV Neelagunda-Harapanahalli line for a distance of 7kms using coyote conductor	Tumakuru	Davanagere	550.0	110.0	275.0	55.0
642	Bhramasagara: Establishing 2x100MVA, 220/66/11kV Sub-station with associated line	Tumakuru	Chitradurga	6800.9	100.0	2000.0	3000.0
643	Sirvara: Establishing 2x100MVA, 220/66/11kV Sub-station with associated line	Tumakuru	Tumakuru	6500.0	100.0	2000.0	3000.0
644	Siddakatte: Establishing 2x10MVA, 110/11kV Sub-Station at Siddakatte in Bantwala Tq, D.K. Dist with Construction of 110kV LILO line with Lynx ACSR conductor for a dist of 2.52Kms from one circuit of the proposed Moodabidri-Mulibettu 110kV DC line to the proposed 110/11kV S/S at Siddakatte.	Hassana	Dakshina Kannada	900.0	180.0	450.0	90.0

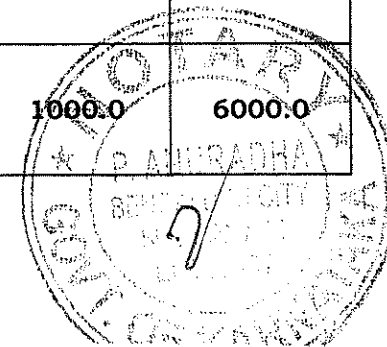
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
645	Hosmar: Establishing 1x10MVA, 110/11kV Sub-Station at Hosmar in Karkala tq, Udupi Dist with construction of 110kV LILO line from 220/110kV Multi circuit Kemar-Guruvayankere line to the proposed 110/11kV S/S at Hosmar for a dist of 0.14Km	Hassana	Udupi	650.0	130.0	325.0	65.0
646	Kaniyaru: Establishing 1X100MVA and 1X8MVA ,220/66/11kV substatopn near Kaniyaru village in Arakalagudu TQ,Hassan dist with associated 220kV and 66kV lines	Hassana	Hassan	6000.0	100.0	2000.0	3000.0
647	Kyathanahalli Establishing 1 x 8 MVA, 66/11 KV Sub-Station with associated line	Mysuru	Mandya	550.0	110.0	275.0	55.0
648	Thalabetta: Establishing 1x8MVA 66/11kV Sub-Station with associated line	Mysuru	Chamarajana- nagar	550.0	110.0	275.0	55.0
649	Dwaraka Nagar: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Mysuru	Mandya	550.0	110.0	275.0	55.0
650	Padukote/Chikkereyur : Establishing 1 x 8 MVA,66/11 KV sub-station.	Mysuru	Mysuru	550.0	110.0	275.0	55.0
651	Shindenahally : Establishing 1 x 8 MVA,66/11 KV sub-station.	Mysuru	Mysuru	550.0	110.0	275.0	55.0
652	Maddur : Establishing 220/66 kV Gas Insulated Substation .	Mysuru	Mandya	9000.0	100.0	1000.0	6000.0

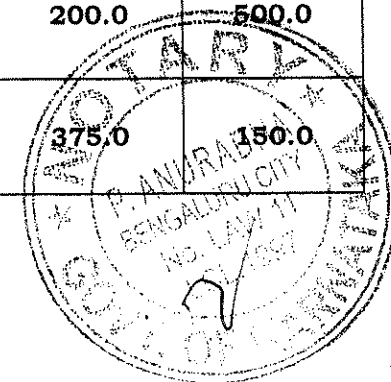
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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
653	SreeMangala: Upgradation of 33kV to 66kV line & station by Establishing 2x 8 MVA,66/11 KV sub-station.	Mysuru	Kodagu	700.0	140.0	350.0	70.0
654	Hanagallu Shettalli(Hanagallu bani) : Establishing 1 x 8 MVA,66/11 KV sub-station.	Mysuru	Kodagu	550.0	110.0	275.0	55.0
655	Bilagi: Establishing 2x100 MVA, 220/110 kV S/S with associated line.	Bagalkote	Bagalkot	6250.0	100.0	1000.0	4000.0
656	Diggewadi: Establishing 2x10MVA, 110/11kV Sub-Station with associated line.	Bagalkote	Belgaum	1024.0	512.0	204.8	102.4
657	Gosbal: Establishing 110/11kV Sub-Station with associated line.	Bagalkote	Belgaum	1177.1	588.5	235.4	117.7
658	Yalwar: Establishing 2x500 MVA, 400/220 KV S/S at Yalwar in B.Bagewadi Tq., Vijayapur Dist.	Bagalkote	Vijayapur	20000.0	100.0	2000.0	15000.0
659	Establishing 2 x 10 MVA, 110/11 kV sub-station at Jumnal in Vijayapura Taluk, Vijayapura District	Bagalkote	Vijayapur	1000.0	200.0	200.0	500.0
660	Masarakal: Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Kalaburagi	Raichur	750.0	150.0	375.0	150.0

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Sl. No.	Name of the Work	ZONE	District	Total Work Cost	Budget 2019-20	Budget 2020-21	Budget 2021-22
661	Pamanakallur: Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Kalaburagi	Raichur	775.0	155.0	387.5	155.0
662	Chilakana Hatti: Establishing 1x8MVA, 66/11kV Sub-Station with associated line	Kalaburagi	Bellary	550.0	110.0	275.0	110.0
663	Nimbalagere: Establishing 1X8 MVA 66/11 KV S/S at Nimbalagere	Kalaburagi	Ballari	534.0	106.8	267.0	106.8
664	Gangavathi: Establishing 220/110/11kV Receiving Station	Kalaburagi	Koppal	6000.0	100.0	2000.0	3000.0
665	Ballatgi : Establishing 1 x10 MVA, 110/11 Kv S/S at Ballatgi along with associated 110kV Line in Manvi Taluka	Kalaburagi	Raichur	750.0	150.0	375.0	75.0
666	Tavergera:Establishing 1x10MVA, 110/11kV Sub-Station with associated line	Kalaburagi	Kalaburgi	750.0	150.0	375.0	75.0
667	M-Kollur: Establishing of 1X10MVA, 110/11kV Sub-Station at M-Kollur Village in Shahapur Tq, Yadgir Dist.	Kalaburagi	Yadgir	750.0	150.0	375.0	75.0
GCB,Civil & Misc					45000.0	43000.0	47000.0
Grand Total in Crores				12691.4	3207.97	3269.65	3287.77

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