

Uttar Pradesh Power Transmission Corporation Limited



Public Hearing in the Matter of:

- True-up Petition of FY 2017-18,
- True-up Petition of FY 2018-19,
- APR Petition of FY 2019-20,
- Investment Plan for FY 2020-21
- ARR & Tariff Petition for FY 2020-21

2nd July 2020

UPPTCL welcomes Hon'ble Chairman (UPERC), Hon'ble Members & Staff of the UPERC and all stakeholders for the Public hearing in the matter of:

Petition No.	Petition Details
1515/2019	<ul style="list-style-type: none">▪ True-up petition for FY 2017-18
1571/2020	<ul style="list-style-type: none">▪ True-up petition for FY 2018-19▪ APR for FY 2019-20▪ ARR & Tariff Petition for FY 2020-21

The above petitions were admitted vide UPERC order dated 4th June 2020

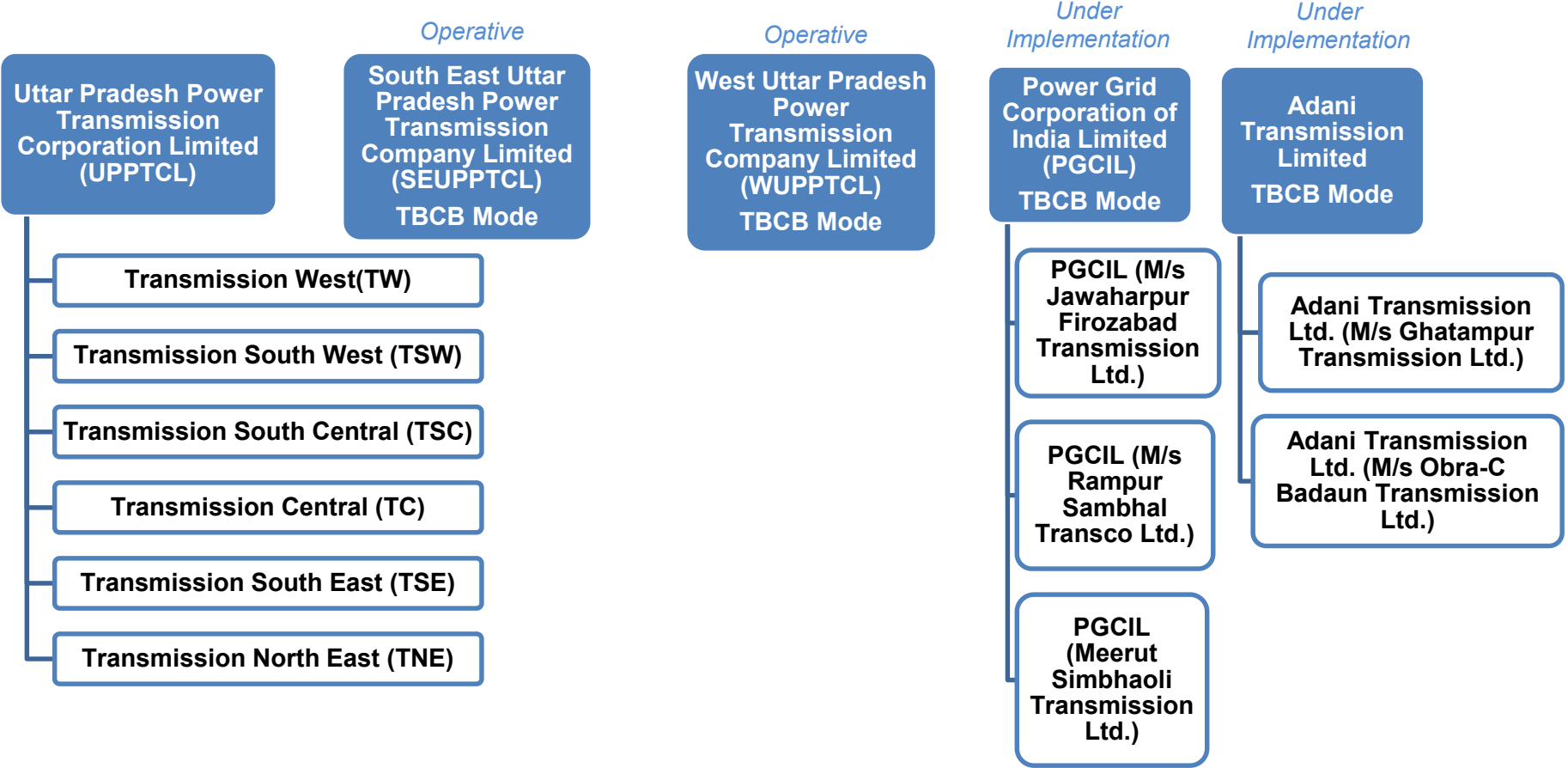


Uttar Pradesh Transmission Sector Overview

Uttar Pradesh Power Transmission Overview

Existing Transmission Licensees in the State

Transmission Licensees in Uttar Pradesh



UPPTCL is also designated as State transmission Utility (STU)



Uttar Pradesh Power Transmission Overview

Network of Transmission Licensees in the State

Network Details of the Transmission Licensees in the Uttar Pradesh (upto 31st March 2020)

Voltage Level (kV)		132 KV	220 KV	400 KV	765 KV	Total
No. of Substations (Nos.)	UPPTCL	426	125*	22	2	575
	SEUPPTCL	-	1	1	1	3
	WUPPTCL	-	-	5	2	7
Transformation Capacity (MVA)	UPPTCL	50,410	44,900	20,820	6,000	1,22,130
	SEUPPTCL		200	630	1,000	1,830
	WUPPTCL		560	5,660	6,000	12,220
Transmission Lines (Ckt. Km)	UPPTCL	23,732	12,985	6,242	1,085	44,044
	SEUPPTCL			412	377	788
	WUPPTCL			358	257	615

**In addition to this 5 Nos. charged from LV side*

Uttar Pradesh Power Transmission Overview

Transmission Network Growth

UPPTCL's Transmission Network Growth in last 5 Years

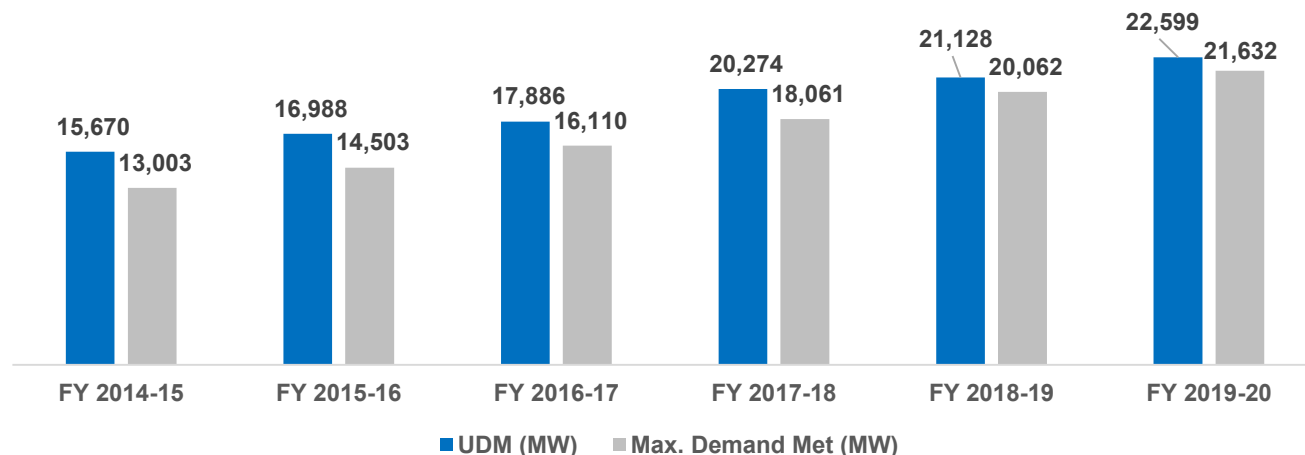
Voltage Level (kV)	2015-16	2016-17	2017-18	2018-19	2019-20	CAGR of last 5 years (%)
No. of Sub-stations (Nos.)						
132 KV	338	376	399	414	426	5.96%
220 KV	90	98	106	117	125	8.56%
400 KV	16	17	20	21	22	8.29%
765 KV	1	2	2	2	2	18.92%
Transformation Capacity (MVA)						
132 KV	34,563	40,297	44,488	48,001	50,410	9.88%
220 KV	27,810	30,760	35,490	39,290	44,900	12.34%
400 KV	11,955	12,955	16,480	17,900	20,820	14.88%
765 KV	2,000	5,000	6,000	6,000	6,000	31.61%
Transmission Line Length (Ckt. Kms.)						
132 KV	15,700	16,836	18,613	21,658	23,732	9.89%
220 KV	9,238	9,968	10,570	11,899	12,985	12.72%
400 KV	4,799	5,032	5,946	6,072	6,242	14.88%
765 KV	414	750	1,085	1,085	1,085	31.61%

Uttar Pradesh Power Transmission Overview

Peak Demand & Demand Handled in Past Years

Demand Growth:

The Un-restricted Demand (UDM) was 22,599 MW in the FY 2019-20, the same has grown with an annual growth rate of ~8% in the last 5 years.



Peak Demand Handled & TTC in Past years

FY	FY 2018-19		FY 2019-20	
	Projected	Actual	Projected	Actual
Peak Demand (MW)	19,300 (as per UPPPCL) 18,821 (as per CEA)	20,062	22,500 (as per UPPCL) 20,334 (as per CEA)	21,632
UDM (MW)	-	21,128	-	22,599
TTC (MW) (at 10,000 MW internal generation)	9,500	10,700	13,500	13,900
Grid Capacity (MW) considering internal generation and TTC	21,000	20,700	24,000	23,900

Uttar Pradesh Power Transmission Overview

Transmission Losses & Transmission Availability

Particular	2016-17	2017-18	2018-19	2019-20*	2020-21*
Transmission Availability (%)					
Normative Annual Transmission System Availability factor as per the Regulations	98.00%	98.00%	98.00%	98%	98%
Actual (computed as per the procedure laid down by Hon'ble UPERC)	99.03%	99.07%	99.01%	99%	99%
Transmission Losses (%)					
As Approved by Hon'ble UPERC	3.59%	3.79%	3.60%	3.56%	-
Actual	3.55%	3.56%	3.56%	3.53%	3.50%

**Projected*

- 
- True-up of FY 2017-18,
 - True-up of FY 2018-19,
 - APR of FY 2019-20

As per the MYT Regulations 2014

Summary for True-up Petition for FY 2017-18

(in Rs. crore)

Particulars	As per Tariff Order dated 30 th November 2017	Actual as per annual accounts	True-up Petition
Employee cost	919.94	507.06	848.56
A&G expenses	33.81	52.69	38.14
R&M expenses	310.12	407.76	344.94
Interest on Loan Capital	1,453.40	1,228.09	1,127.39
Interest on Working Capital	77.64	0.00	81.11
Finance Charges	1.35	0.85	0.85
Depreciation	909.71	955.15	1,009.61
Gross Expenditure	3,705.97	3,151.59	3,450.60
Less: Employee cost capitalized	230.03	308.36	308.36
Less: A&G Capitalisation	6.85	0.00	0.00
Less: Interest Capitalisation	863.32	281.67	281.67
Net Expenditure	2,605.77	2,561.56	2,860.57
Provision for Bad & Doubtful debts			
Prior Period Items, Debits, write-offs & other expenses, other comprehensive income		2.95	0.00
Net Expenditure with provisions	2,605.77	2,564.51	2,860.57
Add: Return on Equity	125.04	0.00	140.74
Less: Non-Tariff Income	52.73	61.66	61.66
Annual Revenue Requirement (ARR)	2,678.08	2,502.85	2,939.64
Revenue from Operations pertaining to FY 2017-18	2,678.08*	2,069.41	2,069.41
Net Gain Sharing w.r.t of O&M Expenses			132.07
Balance ARR Recoverable	0.00	433.44	738.16
Energy Supplied to Discoms (MU's)	1,14,946	1,14,321	1,14,321
Wheeling Rate per unit (Rs/kWh)	0.2330	0.1810	0.2571
Transmission Losses (%)	3.79%	3.56%	3.56%

Note: FY 2015-16 onwards the A&G Capitalisation has been discontinued

*Considering No Revenue Gap or Surplus

Energy Delivered to respective Discoms & LTC in FY 2017-18

S No.	Name of Distribution Licensee	Energy Delivered (MU)	% of Energy Delivered to respective Discoms against Total Energy Delivered
1	Madhyanchal Vidyut Vitran Nigam Limited (MVVNL)	21,857.02	19.12%
2	Purvanchal Vidyut Vitran Nigam Limited (PuVVNL)	27,016.33	23.63%
3	Pashchimanchal Vidyut Vitran Nigam Limited (PVVNL)	34,438.67	30.12%
4	Dakshinanchal Vidyut Vitran Nigam Limited (DVVNL)	25,009.71	21.88%
5	Kanpur Electricity Supply Company Limited (KESCO)	3,677.92	3.22%
6	Noida Power Company Limited (NPCL)	1,811.01	1.58%
7	Open Access Customers	510	0.45%
	Total Energy Delivered	1,14,321	100%

Summary for True-up Petition for FY 2018-19

(in Rs. crore)

Particulars	As per order dated 8 th January 2019	Actual as per Audited Annual Accounts	True-up Petition
Employee cost	782.09	553.70	1,054.67
A&G expenses	27.79	59.60	37.81
R&M expenses	289.19	429.40	423.70
Interest on Loan Capital	1,140.35	1,170.57	1,188.34
Interest on Working Capital	71.04	-	102.00
Finance Charges	0.54	0.44	0.44
Depreciation	968.49	1,044.97	1,146.77
Gross Expenditure	3,279.50	3,258.67	3,953.72
Less: Employee cost capitalized	327.63	278.84	278.84
Less: A&G Capitalisation	-	-	0.00
Less: Interest Capitalisation	631.65	107.69	107.69
Net Expenditure	2,320.22	2,872.13	3,567.18
Provision for Bad & Doubtful debts	-	-	
Prior Period Items, Debits, write-offs & other expenses / Comprehensive Incomes	-	-2.28	
Net Expenditure with provisions	2,320.22	2,869.85	3,567.18
Add: Return on Equity	138.17	-	164.08
Less: Non-Tariff Income	72.55	151.59	68.55
Annual Revenue Requirement (ARR)	2,385.83	2,718.27	3,662.70
Revenue from Operations	2,385.83*	2,364.28	2,364.28
True-up Adjustment of Previous years		193.14	193.14
Net Gap / (Surplus)	-	547.13	1,491.56
Net Gain Sharing as per MYT Regulations			236.74
Net Gap / (Surplus) after adjusting Gain Sharing			1,254.82
Energy Supplied to Discoms (MU's)	1,25,271	1,11,745	1,11,745
Wheeling Rate per unit (Rs/kWh)	0.1905	0.2433	0.3278
Transmission Losses (%)	3.60%	3.56%	3.56%

Note: FY 2015-16 onwards the A&G Capitalisation has been discontinued

#Hon'ble UPERC had restricted the investment to 70%

*Considering No Revenue Gap or Surplus

Energy Delivered to respective Discoms & LTC in FY 2018-19

S No.	Name of Distribution Licensee	Energy Delivered (MU)	% of Energy Delivered to respective Discoms against Total Energy Delivered
1	Madhyanchal Vidyut Vitran Nigam Limited (MVVNL)	21,287.18	19.05%
2	Purvanchal Vidyut Vitran Nigam Limited (PuVVNL)	26,153.55	23.40%
3	Pashchimanchal Vidyut Vitran Nigam Limited (PVVNL)	33,336.73	29.83%
4	Dakshinanchal Vidyut Vitran Nigam Limited (DVVNL)	24,082.45	21.55%
5	Kanpur Electricity Supply Company Limited (KESCO)	3,468.97	3.10%
6	Noida Power Company Limited (NPCL)	2,010.92	1.80%
7	Northern Railway U.P.	735.41	0.66%
8	Open Access Customers	669.83	0.60%
9	Total Energy Delivered	1,11,745.04	100%

Summary for APR Petition for FY 2019-20

(in Rs. crore)

Particulars	As per MYT Order dated 30 th November 2017	As per Order dated 27 th August 2019	APR Petition*
Employee cost	1,223.39	744.89	1,214.13
A&G expenses	43.26	26.06	41.40
R&M expenses	535.02	332.35	495.49
Interest on Loan Capital	2,314.60	1,307.28	1,320.47
Interest on Working Capital	119.29	54.99	105.29
Finance Charges	1.45	0.56	0.45
Depreciation	1,456.46	1,205.52	1,252.54
Gross Expenditure	5,693.47	3,671.65	4,429.77
Less: Employee cost capitalized	305.91	734.98	611.44
Less: A&G Capitalisation	8.77	0.00	0.00
Less: Interest Capitalisation	1,374.87	904.73	119.67
Net Expenditure	4,003.92	2,031.94	3,698.67
Add: Return on Equity	189.46	86.13	182.33
Less: Non-Tariff Income	56.75	66.26	71.23
Annual Revenue Requirement (ARR)	4,136.63	2,051.81	3,809.76
Energy Supplied to Discoms (MU's)	1,66,939.85	1,11,013.97	1,16,732
Wheeling Rate per unit (Rs/kWh)	0.2478	0.1848	0.3264
Transmission Losses (%)	3.79%	3.56%	3.53%

As per Revised Estimates

Note: FY 2015-16 onwards the A&G Capitalisation has been discontinued
 *Hon'ble UPERC had restricted the investment to 70%

Energy Delivered to respective Discoms & LTC in FY 2019-20

S No.	Name of Distribution Licensee	Energy Delivered (MU)	% of Energy Delivered to respective Discoms against Total Energy Delivered
1	Madhyanchal Vidyut Vitran Nigam Limited (MVVNL)	22,851.68	19.58%
2	Purvanchal Vidyut Vitran Nigam Limited (PuVVNL)	26,651.59	22.83%
3	Pashchimanchal Vidyut Vitran Nigam Limited (PVVNL)	34,432.42	29.50%
4	Dakshinanchal Vidyut Vitran Nigam Limited (DVVNL)	24,689.23	21.15%
5	Kanpur Electricity Supply Company Limited (KESCO)	3,600.00	3.08%
6	Noida Power Company Limited (NPCL)	2,259.13	1.94%
7	Northern Railway U.P.	1,225.55	1.05%
8	Open Access Customers	1,022.20	0.88%
9	Total Energy Delivered	1,16,731.81	100%



UPPTCL's Investment Plan for FY 2020-21

Projected Peak Demand and Energy to be Handled

Particulars	FY 2019-20	FY 2020-21	% Growth
Peak Demand (MW) of the Discoms (Projections as per the UPSLDC, considering the impact of COVID-19)	21,632 (Actual)	22,500*	4.01%
Energy (MU) to be Delivered to Discoms & Open Access (Projections as per UPSLDC)	1,16,732 (Actual)	1,17,500	0.66%
<i>Peak Demand (MW) Projections (as per the CEA's 19th EPS)</i>	20,334	21,948	7.94%
<i>Energy Requirement (MU) Projections (as per the CEA's 19th EPS)</i>	99,564	1,07,507	7.98%

**22,400 MW of actual demand met on 12th June 2020, which has increased by 3.55% as compared to the previous year*

UPPTCL Investment Plan for FY 2020-21

Network Details - No. of Sub-stations

Voltage (kV)	UPPTCL / PPP	Upto FY 2019-20	Addition during FY 2020-21	Upto FY 2020-21
132	UPPTCL	426	27	453
	PPP	0	0	0
220	UPPTCL	125	16	141
	PPP	1	0	1
400	UPPTCL	22	5	27
	PPP	6	2	8
765	UPPTCL	2	0	2
	PPP	3	0	3
Total	UPPTCL	575	48	623
	PPP	10	2	12

PPP – Public Private Partnership projects awarded through TBCB (Tariff based Competitive Bidding)

UPPTCL Investment Plan for FY 2020-21

Network Details - Capacity Addition (in MVA)

Voltage (kV)	UPPTCL / PPP	Upto FY 2019-20	Addition during FY 2020-21	Upto FY 2020-21
132	UPPTCL	50,410	6,258	56,668
	PPP	0	0	0
220	UPPTCL	44,900	7,280	52,180
	PPP	760	640	1,400
400	UPPTCL	20,820	5,800	26,620
	PPP	6,290	1,630	7,920
765	UPPTCL	6,000	1,500	7,500
	PPP	7,000	0	7,000
Total	UPPTCL	1,22,130	20,838	1,42,968
	PPP	14,050	2,270	16,320

PPP – Public Private Partnership projects awarded through TBCB (Tariff based Competitive Bidding)

UPPTCL Investment Plan for FY 2020-21

Network Details - Transmission Line Length (in ckm.)

Voltage (kV)	UPPTCL / PPP	Upto FY 2019-20	Addition during FY 2020-21	Upto FY 2020-21
132	UPPTCL	23,732	3,415	27,147
	PPP	0	250	250
220	UPPTCL	12,985	1,702	14,687
	PPP	0	90	90
400	UPPTCL	6,242	1,063	7,305
	PPP	770	520	1,290
765	UPPTCL	1,085	187	1,272
	PPP	634	655	1,289
Total	UPPTCL	44,044	6,367	50,411
	PPP	1,404	1,515	2,919

UPPTCL Investment Plan for FY 2020-21

Up-coming Generating Stations

STU (UPPTCL) has planned the Evacuation System against the following Up-coming Intra & Inter State Generating Stations in next 5 years

Name of the Project/Scheme	Name of the Developer	Capacity Addition in MW	Total Share of UP (MW)	Expected COD
Obra C TPS	UPRVUNL	2x660	1320	U#1 – Dec'21 U#2 – Apr'22
Ghatampur TPS	UPRVUNL & NLC	3x660	1275 (Share of U.P. is 85% of Installed Capacity)	U#1 – Mar'21 U#2 – Oct'21 U#3 – Mar'22
Harduagnaj Ext. TPS	UPRVUNL	1x660	660	Dec'20
Panki Extension	UPRVUNL	1x660	660	Sep'22
Jawaharpur TPS	UPRVUNL	2x660	1,320	U#1 – Dec'21 U#2 – Apr'22
Khurja STPP (Inter State)	NHDC	2x660	1,320 MW (Share of U.P. is 60%)	U#1 – Nov'23 U#2 – May'24
Tanda TPS – II (Inter State)	NTPC	2x660	1,320 MW (Share of U.P. is 70%)	U#2 – Oct'20
Up-coming Solar Power Generation Capacity	UPNEDA / Open Access	6,000 MW	6,000 MW	The planned capacity is expected to be commissioned in different phases during the period from FY 2020-21 to FY 2024-25
Total		14,580	13,359	

UPPTCL Investment Plan for FY 2020-21

Capital Expenditure for FY 2020-21

(in Rs. crore)

Particulars	FY 2020-21 (Claimed in ARR Petition)	
	Earlier Submission	Revised Submission, Considering COVID-19 Impact
CAPEX / Investment	6,785.29	4,810.49
Capitalization	4,217.93	3,535.53



ARR & Tariff Petition for FY 2020-21

As per the MYT Regulations, 2019

ARR & Tariff Petition for FY 2020-21

Broad Consideration

- *Hon'ble UPERC notified the new MYT Regulations viz. Uttar Pradesh Electricity Regulatory Commission (Multi Year Tariff for Distribution and Transmission) Regulations, 2019 on 23rd September 2019.*
- *UPPTCL is required to file yearly ARR and tariff petition for the MYT period (FY 2020-21 to FY 2024-25).*
- *Accordingly UPPTCL has filed the ARR & Tariff Petition for FY 2020-21, as mentioned below:*

(in Rs. crore)

Particulars	ARR Petition for FY 2020-21
O&M Expenses	913.56
Interest & Finance Cost	1,397.07
Depreciation	1,472.25
Add: Return on Equity	201.73
Less: Non-Tariff Income	75.36
Annual Revenue Requirement (ARR)	3,909.25

- *Key considerations/assumptions and computation of ARR are provided in the following slides.*

ARR & Tariff Petition for FY 2020-21

Computation of O&M Expenditure

- The Petitioner has considered the O&M expenses for FY 2014-15 to FY 2016-17 as allowed by the Hon'ble UPERC while truing-up. For FY 2017-18 and FY 2018-19, the Petitioner has considered the O&M Expenses as per the True-up Petition under the current proceedings for arriving at the average true-up O&M expenses.
- O&M Expenses for base year (i.e. FY 2019-20) are determined by escalating the average trued-up expenses for the past five years with applicable escalation rate.

(in Rs. crore)

Particulars	Base Year Expenses Considered for FY 2019-20	FY 2020-21
Employee Expenses	767.00	806.50
A&G Expenses	44.26	45.56
R & M Expenses*	454.30	467.65
Gross O&M Expenses	1265.56	1319.71
Less: Expenses Capitalised	386.26	406.15
<i>Employee Expenses Capitalised</i>	386.26	406.15
Net O&M Expenses	879.30	913.56

*Petitioner has considered the actual R&M expenses as per the audited accounts for FY 2018-19 and escalated the same for determining the base year expenses.

ARR & Tariff Petition for FY 2020-21

Computation of Depreciation

- The Depreciation is computed with straight line method, considering the depreciation rates as per the Annexure A of the MYT Regulations 2019 for different asset category.
- Petitioner has considered the closing gross fixed asset base for FY 2019-20 (as per the APR petition) as the opening GFA balance for FY 2020-21 while computing the allowable depreciation. (in Rs. crore)

Depreciable Assets	Projected Opening GFA as on 1.4.2020 (Depreciable Assets)	Net Addition (Depreciable Assets)	Projected Closing GFA as on 31.3.2021 (Depreciable Assets)	Rate of Depreciation (%)	Gross Allowable Depreciation
Buildings	1209.40	149.93	1359.34	3.3%	42.90
Other Civil Works	102.13	12.66	114.79	3.3%	3.62
Plant & Machinery	14290.36	1771.62	16061.98	5.3%	801.30
Lines, Cables, Network etc.	12610.44	1563.36	14173.80	5.3%	707.10
Vehicles	3.76	0.47	4.22	9.5%	0.38
Furniture & Fixtures	9.75	1.21	10.95	6.3%	0.66
Office Equipment	10.64	1.32	11.96	6.3%	0.72
Intangible Assets	4.75	0.59	5.34	5.3%	0.27
Other assets	117.52	14.57	132.09	5.3%	6.59
Total	28358.74	3515.73	31874.47		1563.53

Particulars	Amount (Rs. crore)
Gross Allowable Depreciation	1563.53
Less: Equivalent amount of depreciation on assets acquired out of the consumer contribution	91.28
Net Allowable Depreciation	1472.25

ARR & Tariff Petition for FY 2020-21

Computation of Interest & Finance Charges

(in Rs. crore)

Interest on Long Term Loans:

- The capital investment for FY 2020-21 has been estimated at Rs. 4,810.49 crore
- A normative debt equity mix of 70:30 has been considered for CAPEX funding after netting off the CAPEX funded through consumer contributions & grants.
- Repayment for the loan has been considered equivalent to depreciation expense
- Interest capitalisation @ 9.06% for FY 2020-21 considered as per the actual capitalisation rate for FY 2018-19
- Rate of Interest on loan @ 10.72% for FY 2020-21 considered is as per the actual weighted average rate of interest of the long term loan portfolio of FY 2018-19.

CAPEX	FY 2020-21
Ongoing Projects	2,891.38
New Projects	541.36
Green Energy Corridor II (Solar Power)	334.64
Augmentation	597.54
System Strengthening	358.98
Addition of Capacitor/Reactor	86.60
Total	4,810.49

Financing Structure	FY 2020-21
Grant	133.86
Consumer Contribution/Deposit Works	236.08
Debt (70% of the Capital Cost)	3,108.39
Equity (30% of the Capital Cost)	1,332.17
Total Investment	4,810.49

Interest on Loan	FY 2020-21
Opening Loan	13,062.73
Loan Additions (70% of Investments)	3,108.39
Less: Repayments (Depreciation allowable for the year)	1,472.25
Closing Loan Balance	14,698.86
Weighted Average Rate of Interest	10.72%
Interest on long term loan	1,487.45

ARR & Tariff Petition for FY 2020-21

Computation of Interest & Finance Charges

Finance Charges:

- Rs. 0.48 crore, claimed towards the finance charges

Interest on Working Capital:

- Working capital computed normatively as follows:
 - *O&M expenses for one month.*
 - *45 Days equivalent of expected revenue based on prevailing tariff.*
 - *Maintenance spares @ 40% of R&M expenses for two month.*
- Rate of Interest @ 10.65% (Applicable SBI MCLR Rate as on 1st October 2019 plus 250 basis points)

Total Interest & Finance Charges claimed for FY 2020-21 are provided in the table below:

(in Rs. crore)

Particulars	FY 2020-21
A: Interest on Long Term Loans	
Gross Interest on Long Term Loan	1,487.45
Less: Interest Capitalisation	134.80
Net Interest on Long Term Loans	1,352.65
B: Finance and Other Charges	0.48
C: Interest on Working Capital	43.94
Total (A+B+C)	1,397.07

ARR & Tariff Petition for FY 2020-21

Computation of Return on Equity

- Petitioner has been claiming the return on equity @ 2% since the financial year 2009-10 onwards. Return on equity has been computed on the normative equity portion (30%) of capitalised assets.

(in Rs. crore)

Particulars	FY 2020-21
Equity Base at the beginning of the year	9,555.95
Assets Capitalised	3,535.53
Addition to Equity Base (30% of assets capitalised)	1,060.66
Closing Equity Base	10,616.61
Average Equity Base	10,086.28
Rate of Return	2.00%
Allowable Return on Equity	201.73

Note: As per the provisions of the MYT Regulations 2019, the Petitioner is allowed a return of @ 14.5% on equity base. However, in view of the huge gap in the recovery of cost of supply at the Discom level, the Petitioner is of the view that return on equity would only result in accumulation of receivables. As such, the Licensee has been claiming return on equity @ 2% since the financial years 2009-10 onwards. Return on equity for FY 2020-21 has been computed on the normative equity portion (30%) on capitalized assets

ARR & Tariff Petition for FY 2020-21

Summary for ARR

(in Rs. crore)

Particulars	ARR Petition for FY 2020-21
Employee cost	806.50
A&G expenses	45.56
R&M expenses	467.65
Interest on Loan Capital	1,487.45
Interest on Working Capital	43.94
Finance Charges	0.48
Depreciation	1,472.25
Gross Expenditure	4,323.84
Less: Employee cost capitalized	406.15
Less: A&G Capitalisation	0.00
Less: Interest Capitalisation	134.80
Net Expenditure	3,782.88
Add: Return on Equity	201.73
Less: Non-Tariff Income	75.36
Annual Revenue Requirement (ARR)	3,909.25

ARR & Tariff Petition for FY 2020-21

Transmission Tariff

As per the UPPTCL's ARR & Tariff Petition:

Particulars	Unit	FY 2020-21
		ARR Petition
Annual Revenue Requirement	Rs. Crore	3,909.25
Energy Handled**	MU	1,17,500*
Transmission Charges	Rs./kWh	0.3327
Transmission Losses (%)	%	3.50%

*As provided by UPSLDC

**As per the Petitions filed by the Distribution Licensees before Hon'ble UPERC, the Energy to be delivered is as follows:

Name of Distribution Licensee	Energy Delivered (MU)
Madhyanchal Vidyut Vitran Nigam Limited (MVVNL)	22,616.87
Purvanchal Vidyut Vitran Nigam Limited (PuVVNL)	26,884.09
Pashchimanchal Vidyut Vitran Nigam Limited (PVVNL)	32,399.30
Dakshinanchal Vidyut Vitran Nigam Limited (DVVNL)	24,044.00
Kanpur Electricity Supply Company Limited (KESCO)	3,365.00
Noida Power Company Limited (NPCL)	1,867.12
Northern Railway U.P [#]	1,225.55
Open Access Customers [#]	1,022.20
Total Energy Delivered	1,13,424.13

[#]Assuming total energy handled as in FY 2019-20

In line with the above submissions of the Distribution Licensees the Revised Transmission Tariff is as follows:

Particulars	Unit	FY 2020-21
		ARR Petition
Annual Revenue Requirement	Rs. Crore	3,909.25
Energy Handled	MU	1,13,424.13
Transmission Charges	Rs./kWh	0.3447

A large blue trapezoidal shape is positioned on the left side of the page, partially overlapping a background image. The background image shows a tall, lattice-structured power line tower against a light sky, with power lines extending from it. The blue shape is a solid, dark blue color and has a trapezoidal form, wider at the top and narrower at the bottom. The text "Thank You" is centered within this blue shape in a white, bold, sans-serif font.

Thank You