

**BEFORE THE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

O.P. No. 44 of 2019

In the matter of:

Petition for Determination of Tariff for intra-State transmission lines of APTRANSCO carrying interstate power for the FY 2019-20 to include the same in the PoC Mechanism.

In the matter of:

Transmission Corporation of Andhra Pradesh Limited

... Petitioner

FOR INDEX
PLEASE SEE INSIDE

INDEX

S NO.	PARTICULARS	PAGE NO.
1	Petition with Affidavit	1-17
2	Annexure I	
3	Annexure II	
4	Annexure III to XIV	
5	Annexure XV	
6	Annexure XVI	
7	Annexure XVII	
8	Annexure XVIII	
9	Annexure XIX	
10	Annexure XX	
11	Annexure XXI	

**BEFORE THE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

FILING NO._____/2019

CASE NO. ____/2019

In the matter of:

Petition for Determination of Tariff for intra-State transmission lines of APTRANSCO carrying interstate power for the FY 2019-20 to include the same in the PoC Mechanism.

**PETITION FILED UNDER SECTION 62 OF EA 2003, CERC (SHARING OF INTER
STATE TRANSMISSION CHARGES AND LOSSES) (THIRD AMENDMENT)
REGULATIONS, 2015 AND AS PER CERC (TERMS AND CONDITIONS OF TARIFF)
REGULATIONS, 2019**

In the matter of:

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

... Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE APPLICATION ACCOMPANYING FILING
OF PETITION FOR DETERMINATION OF TARIFF FOR INTRA-STATE TRANSMISSION
LINES OF APTRANSCO CARRYING INTERSTATE POWER FOR THE FY 2019-20.**

I, Sri. CH.V.S.Subba Rao, S/o Sesha Sai, 57 years, officiating as Chief General Manager/HRD & Planning, APTRANSCO, Vidyut Soudha, Gunadala, Vijayawada – 520008 do solemnly affirm and say as follows:

1. I am the Chief General Manager/HRD & Planning, APTRANSCO, the licensee company operating and controlling the Transmission Business & SLDC Activity of electricity in Andhra Pradesh pursuant to the license granted by the Hon'ble

Commission. I am competent and duly authorized by APTRANSCO to affirm, swear, execute and file this affidavit in the present proceedings.

2. I have read and understood the contents of the accompanying petition for determination of tariff for newly identified Intra-State Lines of APTRANSCO carrying interstate power for FY 2019-20. The statements made in the paragraphs of the accompanying application now shown to me are true to my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.

DEPONENT

VERIFICATION:

I, the above named Deponent solemnly affirm on this _____ day of May 2019 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

DEPONENT

**BEFORE THE ANDHRA PRADESH ELECTRICITY REGULATORY COMMISSION
HYDERABAD**

FILING NO._____/2019

CASE NO. ____/2019

In the matter of:

- 1.** Petition for determination of tariff for intra-State transmission lines of APTRANSCO carrying inter-state power for the FY 2019-20 to include the same in the PoC Mechanism.

PETITION FILED UNDER SECTION 62 OF EA 2003, CERC (SHARING OF INTER STATE TRANSMISSION CHARGES AND LOSSES) (THIRD AMENDMENT) REGULATIONS, 2015 AND AS PER CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2019

In the matter of:

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

... Applicant

The Applicant respectfully submits as under: -

- 2.** Pursuant to the applicable provisions of the Andhra Pradesh Electricity Reform Act, 1998, the Government of Andhra Pradesh undertook the reforms and restructuring of the erstwhile Andhra Pradesh State Electricity Board ('APSEB'). APTRANSCO was formed as a successor entity of the erstwhile APSEB through the First statutory transfer scheme notified in the official gazette on February 1, 1999 to manage the Transmission and Distribution business of erstwhile APSEB. Subsequently, the State Government notified the Second Transfer Scheme on March 31, 2000 ('the Second Transfer Scheme') wherein APTRANSCO retained the

Transmission, SLDC and Bulk Supply business of the state with itself, while transferring the Distribution and Retail supply of the state to the four Distribution Companies formed. Pursuant to obtaining independent licensees by the DISCOMs in December 2000, APTRANSCO has relinquished its Distribution & Retail Supply License. Subsequently on June 7, 2005, the State Government notified the Third Transfer Scheme in its official gazette wherein the Bulk Supply business that was being dealt by APTRANSCO is vested to the DISCOMs with effect from June 9, 2005. As a result, APTRANSCO is presently carrying out solely the Transmission business as the State Transmission Utility (STU) in the State.

- 3.** The erstwhile Andhra Pradesh state is reorganized into the Andhra Pradesh state and Telangana state on 2nd June, 2014. As per A.P. Reorganization Act and by the effect of the bifurcation of erstwhile Andhra Pradesh, it is resulted in to number of Inter-State lines between the divided Andhra Pradesh and Telangana state. This has resulted in 38 lines which are remained as partly/wholly owned by AP (As per section 2(36) (i) of the Act). Further there were 4 lines connecting with Tamilnadu, Karnataka and Pondicherry.

Since, the transmission lines are inter-state in nature of connecting two states, APTRANSCO has filed a petition before Hon'ble CERC for determination of tariff of the 42 transmission lines for FY 2016-17 and Hon'ble CERC has issued the orders for 40 Nos. lines on 21.06.2018. The assets were included in the PoC Mechanism by POSOCO.

Also, APTRANSCO has filed a petition for determination of tariff for the interstate lines for FY 2014-15 (40 Nos. ISTS lines), FY 2015-16 (40 Nos. ISTS lines), FY 2016-17 (2 Nos. ISTS lines), FY 2017-18 (42 Nos. ISTS lines) and FY 2018-19 (42 Nos. ISTS lines) before Hon'ble CERC.

4. The National Electricity Policy (NEP) issued by the Government of India, mandates transmission prices to be the distance and direction sensitive and must capture the utilization of the network by each network user. In line with the said mandate the Central Electricity Regulatory Commission (CERC), has issued Sharing of Interstate Transmission Charges and Losses, 2010 and it came into force with effect from 01.7.2011. Six amendments to the said Sharing Regulations were notified on 25.11.2011, 29.03.2012, 01.05.2015, 03.07.2015, 14.12.2017 and 27.03.2019.
5. There are a number of transmission lines which are intra-state, but are incidental to the power flow of Inter-state power. As per the CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2010, these intra-state transmission lines also can be included in the PoC Mechanism subject to if individual YTC for lines are available.
6. The extract of sub clause(y) of Clause 1 of Regulation 2 of principal Regulations and its amendments is as below

"(y) Yearly Transmission Charge (YTC) means the Annual Transmission Charges for the existing and new transmission assets of the inter-State transmission licensees, deemed ISTS Licensees, owners of inter-State transmission lines connecting two states and owners of non-ISTS lines certified by Regional Power Committees for inter-State transmission of power, determined by the Appropriate Commission under Section 62 of the Act or adopted by the Appropriate Commission under Section 63 of the Act or as otherwise provided in these Regulations.]

"Provided that in case of non-ISTS lines, the asset-wise tariff determined by the respective State Commissions or approved by the Central Commission based on the approved Annual Revenue Requirement of STU, shall be used:

Provided further that transmission charges received by the STU under these regulations shall be adjusted in the Annual Revenue Requirement of the concerned STU approved by the respective State Commission."

The copy of the CERC Regulation 2010 is attached as **Annexure-I**.

7. a) Accordingly, after obtaining the SRPC certification, APTRANSCO has filed a petition before Hon'ble APERC vide O.P. No. 40 of 2017 for determination of tariff for intrastate lines for FY 2017-18 based on indicative cost methodology. Hon'ble APERC has issued the orders on 06.01.2018. The said assets were included in the POC mechanism by POSOCO.

b) Also, APTRANSCO has filed a petition before Hon'ble APERC vide O.P No. 15 of 2018 for determination of tariff for intrastate lines for FY 2018-19 based on indicative cost methodology. Hon'ble APERC has issued the orders on 21.07.2018 based on the methodology adopted by CERC orders passed in the petition No. 237/TT/2016.

8. Now, SRPC has issued certification of Non-ISTS Lines carrying inter-state power for the period 2019-20 which were having more than 50% utilization during the year 2018-19 vide letter No. SRPC/SE-I/2019/1277-1309, dt.07.03.2019 for 34 lines. The copy of the SRPC certification is attached as **Annexure-II**.

9. The 34 Nos. intrastate lines of Andhra Pradesh carrying interstate power as given below.

Sl. No.	Asset	Voltage	Configuration	Length in KM	COD	Sl. No. as per SRPC certification	Asset Name
1	CHITTOOR 42 - CHITTOOR 1:2	220	D/C	17.1	14.02.2006	1	Asset I & II
2	CHITTOOR 42 - CHITTOOR 1:1	220				2	
3	SULURPET 1 - NELLORE 42:1	220	S/C	85.8	26.12.2006	4	Asset III
4	GOOTY - PG - DHONE 1:2	220	D/C	90.16	24.08.2011	6	Asset IV & V
5	GOOTY - PG - DHONE 1:1	220				7	

Petition for Determination of Tariff for Intra-State Lines of APTRANSCO for FY 2019-20

6	KONDAPALLI-CHILLAKALLU1:1	220	D/C	59.7	30.09.1989	8	Asset VI & VII
7	KONDAPALLI-CHILLAKALLU1:2	220				9	
8	SRISAILAMRB1-TALLAPLLI:1	220	D/C	98.82	1985	10	Asset VIII & IX
9	SRISAILAMRB1-TALLAPLLI:2	220				11	
10	SRISAILAMRB1-SOMYZULPALLI:1	220	S/C	106	1985	12	Asset X
11	TALLAPLLI-VTS1:1	220	S/C	125.14	30.06.1984	13	Asset XI
12	TALLAPLLI-VTS1:3	220	D/C	137.25	17.10.2012	14	Asset XII & XIII
13	TALLAPLLI-VTS1:2	220				15	
14	VTS1-CHILAAKALLU1:2	220	D/C	67.8	12.03.1997	16	Asset XIV & XV
15	VTS1-CHILAAKALLU1:1	220				17	
16	VTS1-RENTACHNTHALA1:2	220	S/C	111.49	30.06.1984	18	Asset XVI
17	KURNOOL1-BRAHMANKTKUR:1	220	S/C	23.18	29.10.2010	19	Asset XVII
18	GAZUWAKA2-KALPAKKA1:2	400	D/C	3.39	10.12.2000	28	Asset - XVIII & XIX
19	GAZUWAKA2-KALPAKKA1:1	400			27.01.2002	29	
20	SULURPET 1 - NELLORE 42:2	220	D/C	68.13	10.11.2014	3	Asset - XX & XXI
21	SULURPET 1 - NELLORE 42:3	220				5	
22	URAVAKONDA-VAJRAKARUR:2	220	D/C	16.826	14.07.2016	22	Asset - XXII & XXIII
23	URAVAKONDA-VAJRAKARUR:1	220				23	
24	HINDUJA- KV KOTA1:2	400	D/C Twin Moose	242.98	24.07.2017	31	Asset - XXIV & XXV
25	HINDUJA- KV KOTA1:1	400				32	
26	JAMALAMADUGU1-URAVAKONDA:2	400	D/C	127.62	15.07.2016	33	Asset - XXVI
27	JAMALAMADUGU1-URAVAKONDA:1	400				34	Asset - XXVII
28	CHITTOOR2-KALIKIRI1:1	400	D/C Twin Moose	96.87	01.04.2018	24	Asset - XXVIII & XXIX
29	CHITTOOR2-KALIKIRI1:2	400				25	
30	REGULAPADU-SUZLON-W1:1	220	D/C	5.129	31.03.2012	20	Asset - XXX & XXXI
31	SUZLON-W1-VAJRAKUR:1	220		5.2	12.08.2016	21	
32	NUNNA2-VEMAGIRI1:1	400	SC/DC	145	30.12.2005	26	Asset - XXXII
33	NUNNA2-SATTENAPALLI1:1	400	SC/DC	115.89	12.10.2015	27	Asset - XXXIII
34	VEMAGIRI1-SATTENAPALLI:1	400	SC/DC	244.85	12.10.2015	30	Asset - XXXIV

- 10.** The methodology used to compute the tariff is in line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019.

11. Capital Cost

i. For the Assets I to XIX

The individual audited capital cost of these 19 lines are not available and hence the capital cost is considered in line with the Hon'ble CERC's methodology. The benchmark cost taken is the same as in order dated 21.06.2018 for petition 237/TT/2016 used for tariff calculation of interstate lines for the year 2016-17.

The methodology in order dated 21.06.2018 for petition 237/TT/2016 (14) is quoted as below:

"PGCIL's Annual Report data has been used as the reference data; based on which, year wise benchmark cost has been derived.

As per the petitions filed by the states, their ISTS lines generally have the configuration of 132 kV, 220 kV or 400 kV. In the absence of an established tariff data base, in order to develop this methodology Annual Reports of PGCIL from 1989-90 to 2013-14 have been referred to. The Annual Reports depict, inter alia, the information pertaining to year wise total transmission lines' length in ckt-km and corresponding Gross Block. This pan-India data represents all the five transmission regions and is a composite mix of parameters like terrains, wind-zones, tower and conductor type etc. +/- 500 kV HVDC and 765 kV & above voltage level AC lines too have come up in between and the data also includes those lines. Voltage level-wise data as on 30th April 2017, obtained from PGCIL indicates that the percentage of 220 kV, 132 kV and 66 kV TL taken together makes it around 8.3 % of the total line length owned by PGCIL. Further, 132 kV TLs were established in NER prior to 1990, and Transmission Lines of 220 kV voltage levels were

last commissioned in around the year 2004 in NR. Majority of the transmission lines consist of 400 kV which corresponds to 66% of the total transmission line lengths. Thus, the 400 kV and lesser voltage levels account for approximately 75% of the transmission lines. Assuming the above referred spread of voltage wise percentages for earlier years too, it can be said that the year wise average TL cost figures derived from PGCIL data, when further reduced by 25%, fairly represent the average transmission line capital cost corresponding to a 400 kV S/C line. Considering 400 kV S/C transmission line cost as reference cost, Analysis of PGCIL's indicative cost data (P/L Feb 2017) suggests the following:

Reference cost of 400 kV S/C TL		Rs X lakh/km
1	400 kV D/C TL	1.39 X
2	220 kV D/C TL	0.57 X
3	220 kV S/C TL	0.36 X
4	132 kV D/C TL	0.43 X
5	132 kV S/C TL	0.31 X

Therefore, for arriving at the costs of transmission lines of other voltage levels and circuit configurations, the average TL cost data shall be multiplied by the factors illustrated in the above table. Lower voltage levels can be treated as part of 132 kV. The above table contemplates Twin Moose conductor which is widely used in States' transmission lines."

The Capital Cost for the 19 assets has been considered as per Hon'ble Commission order dt. 21.07.2018 in O.P.No. 15 of 2018 and is as mentioned below:

S. No.	Asset name	Rationalised cost of 400 kV line in Rs Lakh per km	Transmission Line length, in km	Multiplication factor	Gross block in Rs Lakhs (Capital cost)
1	Asset-I and II	47.54	17.1	0.57	463.37
2	Asset-III	42.53	85.8	0.36	1313.67
3	Asset-IV & V	62.27	90.16	0.57	3200.13
4	Asset-VI and VII	0	59.7	0	0.0
5	Asset-VIII and IX	0	98.82	0	0.0

6	Asset- X	0	106	0	0.0
7	Asset- XI	0	133	0	0.0
8	Asset-XII and XIII	65.67	137.25	0.57	5137.60
9	Asset- XIV and XV	38.2	67.8	0.57	1476.28
11	Asset-XVI	0	111.49	0	0.0
12	Asset-XVII	52.26	23.18	0.36	436.10
13	Asset- XVIII & XIX	44.28	3.39	1.39	208.65

ii. For the Assets XX to XXXIV

As these lines are commissioned after 2014, the Audited capital cost has been taken for calculation of YTC.

a) **For the Assets XX to XXVII**, the Gross Block is as given below.

Asset	Gross block in Rs Lakhs (Capital cost)	Audited certificate enclosed at
Asset XX & XXI	5129.92	Annexure - XV
Asset XXII & XXIII	1981.04	Annexure – XVI
Asset XXIV & XXV	36970.67	Annexure – XVII
Asset XXVI & XXVII	16004.00	Annexure - XVIII

b) For the Assets XXVIII & XXIX.

Regarding the assets XXVIII & XIX (Chittoor - Kalikiri I & II feeders), it is to submit that, the 400 KV Chittoor-RTPP TMDC line was constructed for evacuation of RTPP stage-IV, 600 MW thermal generation in the year 2017. Recently in the year 2018 the 400 KV Chittoor – RTPP TMDC line was made LILO at 400 KV Kalikiri substation. Then the 400 KV chittoor –RTPP TMDC line became 400 KV Chittoor – Kalikiri TMDC line and 400 KV Kalikiri-RTPP TMDC line. The above arrangement is shown in the Annexure -XIX enclosed.

For computing YTC for 400 KV Chittoor – Kalikiri I & II feeders, the 400 KV Chittoor – RTPP feeder upto LILO point from Chittoor end is taken as section- 1 (proportionate audited capital cost of Chittoor – Pedajangampalli part) and LILO point to Kalikiri is taken as section-2 (proportionated audited capital cost of LILO point to Kalikiri). The YTC for section-1 and section-2

combined together for arriving total YTC of Chittoor – Kalikiri I & II feeders.

The Gross block (capital cost) for section – 1 is **23526.14 Lakhs** and for section – 2 is **4841.995 Lakhs**. The audited certificate is enclosed at Annexure – XIX.

c) For the Assets XXX & XXXI.

Regarding the assets XXX & XXXI (Regulapadu – Suzlon-W1:1 and Suzlon – W1-Vajrakur:1), Regulapadu and Vajrakur substations are in same compound but are not interconnected. Regulapadu is a LIS substation and Vajrakur is a Wind power evacuation Substation. Both the 220 KV Regulapadu – Suzlon & Suzlon - Vajrakur feeders are carried on a DC line starting from Suzlon substation and terminating near the substations i.e Regulapadu and Vajrakur with SC/DC line. The existing arrangement is shown in the Annexure - XX. The line was constructed by M/s Suzlon only under DC work. Hence, O&M charges was only taken into consideration for computation of YTC.

d) For the Assets XXXII, XXXIII & XXXIV

Regarding the Assets XXXII, XXXIII & XXXIV, the 400 KV Vemagiri-Nunna TMDC line was commissioned in the year 2005. The 400 KV TMDC line from Sattenapalli to LILO point of 400 KV Vemagiri – Nunna Feeder-1 was commissioned in the year 2015. After made LILO the 400 KV Vemagiri-Nunna Feeder -1 became 400 KV Vemagiri – Sattenapalli and 400 KV Nunna – Sattenapalli feeder. The single line diagram for the above arrangement is shown in the Annexure - XXI.

For computing the YTC for the above three lines, the Gross block (capital cost) for 400 KV Vemagiri - Nunna TMDC line is taken as Section-1 based on the rationalized capital cost and 400 KV TMDC line from Sattenapalli upto

LILO point of Vemagiri-Nunna feeder – 1 is taken as Section-2 based on audited capital cost and combined together.

The Gross block (capital cost) for section – 1 is **8128.512 Lakhs** and for section – 2 is **16131.65 Lakhs**. The audited certificate for Section-2 is enclosed at Annexure – XXI.

12. Debt- Equity Ratio for all the assets

The debt- Equity ratio is considered to be the normative debt-equity ratio of 70:30.

13. Depreciation for all the assets

In line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, asset is depreciated up to 90% of the capital cost, remaining 10% being the salvage value of the asset. For the assets commissioned before 2014 for which the audited capital costs are not available, the rate of depreciation is taken as 5.28% till 12 years and 2.05% beyond that till 25 years as per the methodology adopted by CERC while issuing the orders in Petition No. 237/TT/2016 filed by APTRANSCO. For the assets commissioned after 2014, the rate of depreciation is taken as 5.28%. Further, Normative loan repayment during a year shall be deemed to be equal to the depreciation allowed for that year.

14. Interest on Loan

i. For the Assets I to XIX

The rate of interest on loan for the assets has been considered from the weighted average rate of loan for APTRANSCO as a whole, as there is no individual line wise breakup of interest rates available. The rate of interest for 2019-20 has been considered as the weighted average rate of loan of FY 2018-19

Year	2019-20
Rate of Interest on Loan	9.98%

ii. For the Assets XX to XXXIV

The rate of interest on loan for the assets XX to XXXIV for FY 2019-20 is as given below.

Asset	Loan Funded by	Rate of Interest on Loan (%) for FY 2019- 20
Asset XX & XXI	NABARD	10.30%
Asset XXII & XXIII	REC	9.375%
Asset XXIV & XXV	REC	9.375%
Asset XXVI & XXVII	REC	9.375%
Asset XXVIII & XXIX	REC	9.375%
Asset XXX & XXXI	Under DC works	
Asset XXXIII & XXXIV	REC	9.375%

15. Return on Equity

Clause (1) and (2) of Regulations 30 and Clause (2) of Regulation 31 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 specify as under:-

"30. Return on Equity: (1) *Return on equity shall be computed in rupee terms, on the equity base determined in accordance with regulation 18.*

(2) *Return on equity shall be computed at the base rate of 15.50% for thermal generating stations, transmission system including communication system...."*

"31. Tax on Return on Equity:

..(2) *Rate of return on equity shall be rounded off to three decimal places and shall be computed as per the formula given below:*

Rate of pre-tax return on equity = Base rate / (1-t)

Where "t" is the effective tax rate in accordance with Clause (1) of this regulation and shall be calculated at the beginning of every financial year based on the estimated profit and tax to be paid estimated in line with the provisions of the relevant Finance Act applicable for that financial year to the company on pro-rata basis by excluding the income of non-generation or

non- transmission business, as the case may be, and the corresponding tax thereon. In case of generating company or transmission licensee paying Minimum Alternate Tax (MAT), "t" shall be considered as MAT rate including surcharge and cess."

In line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, the ROE considered is as follows:

APTRANSCO is a profit-making entity, the total tax rate (including surcharge and Education cess) for the 2019-20 is as below

	2019-20
Base Rate	30%
Surcharge	12%
Education Cess	4%
Total Tax	34.9440%

Return on Equity	2019-20
Return on Equity (Base Rate) (%)	15.50%
Tax Rate for respective year (%)	34.94%
Rate of Return on Equity (%)	23.83%

16. O & M Expenses

The O & M expenses has been considered in line with the Clause 3(a) of Regulation 35 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 which specify the norms for O&M Expenses for the transmission system viz norms for sub-stations bays (Rs Lakh per bay), Norms for Transformers (Rs Lakh per MVA) and Norms for AC and HVDC lines (Rs Lakh per km)

Bays has been arrived duly considering the connected bays of that asset. Utilization of PTR's capacity in MVA for each feeder is proportionated by

considering 50% of total Sub Station PTR's capacity per feeder connected at that Voltage level.

17. Interest on Working Capital

In accordance with the Clause 7 of Regulation 3 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, one year marginal cost of lending rate (MCLR) of the State Bank of India as on 1.4.2019 is 8.55%, so the rate of interest on working capital is considered to be 12.05%. In accordance with the Clause 1(c) of Regulation 34 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019 the working capital is taken as the sum of Maintenance Spares (@15% of the yearly O&M Expenses), O&M Expenses for 1 month and Receivables (equivalent to equivalent to 45 days of annual fixed cost).

- 18.** The detailed calculations of the Assets I to XXXIV is enclosed at Annexures III to XXI. The transmission charges for the 34 transmission assets for the FY 2019-20 are summarized as below: -

(In Rs. Lakhs)

Sl. No.	Asset	Asset Name	YTC for FY 2019-20
1	Asset I & II	CHITTOOR 42 - CHITTOOR 1:2	236.53
2		CHITTOOR 42 - CHITTOOR 1:1	
3	Asset III	SULURPET 1 - NELLORE 42:1	260.84
4	Asset IV & V	GOOTY - PG - DHONE 1:2	662.12
5		GOOTY - PG - DHONE 1:1	
6	Asset VI & VII	KONDAPALLI-CHILLAKALLU1:1	177.02
7		KONDAPALLI-CHILLAKALLU1:2	
8	Asset VIII & IX	SRISAILAMRB1-TALLAPLLI:1	233.07
9		SRISAILAMRB1-TALLAPLLI:2	
10	Asset X	SRISAILAMRB1-SOMYZULPALLI:1	126.75
11	Asset XI	TALLAPLLI-VTS1:1	144.71
12	Asset XII & XIII	TALLAPLLI-VTS1:3	1118.20
13		TALLAPLLI-VTS1:2	
14	Asset XIV & XV	VTS1-CHILAAKALLU1:2	323.69

Petition for Determination of Tariff for Intra-State Lines of APTRANSCO for FY 2019-20

15		VTS1-CHILAAKALLU1:1	
16	Asset XVI	VTS1-RENTACHNTHALA1:2	150.33
17	Asset XVII	KURNOOL1-BRAHMANKTKUR:1	147.26
18	Asset - XVIII & XIX	GAZUWAKA2-KALPAKKA1:2	186.27
19		GAZUWAKA2-KALPAKKA1:1	
20	Asset - XX & XXI	SULURPET 1 - NELLORE 42:2	1115.34
21		SULURPET 1 - NELLORE 42:3	
22	Asset - XXII & XXIII	URAVAKONDA-VAJRAKARUR:2	506.57
23		URAVAKONDA-VAJRAKARUR:1	
24	Asset - XXIV & XXV	HINDUJA- KV KOTA1:2	7087.21
25		HINDUJA- KV KOTA1:1	
26	Asset – XXVI & XXVII	JAMALAMADUGU1-URAVAKONDA:2	3340.22
27		JAMALAMADUGU1-URAVAKONDA:1	
28	Asset - XXVIII & XXIX	CHITTOOR2-KALIKIRI1:1	5562.81
29		CHITTOOR2-KALIKIRI1:2	
30	Asset - XXX & XXXI	REGULAPADU-SUZLON-W1:1	38.93
31		SUZLON-W1-VAJRAKUR:1	
32	Asset - XXXII	NUNNA2-VEMAGIRI1:1	4065.49
33	Asset - XXIII	NUNNA2- SATTENAPALLI1:1	
34	Asset - XXXIV	VEMAGIRI1-SATTENAPALLI:1	
Total YTC (in Lakhs)			25483.37
Total YTC (in Crores)			254.834

PRAYER

19. In the above circumstances, the petitioner respectfully prays the Hon'ble Commission

- i. to approve the annual fixed charges for the assets covered under this Petition;
- ii. to determine the tariff of the Intra-State transmission lines of APTRANSCO carrying interstate power for FY2019-20 and
- iii. to pass any other order or relief as this Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

PETITIONER