

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION

AT NEW DELHI

PETITION NO. _____ /TT/2022

AND IN THE MATTER OF:

Transmission Corporation of Telangana Limited,


Petitioner

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FILED BY:

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PLACE: NEW DELHI


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**BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
AT NEW DELHI
PETITION NO. _____/TT/2022**

IN THE MATTER OF:

Petition for determination of tariff of the Intra-State Transmission Lines of the TSTRANSCO-owned transmission lines/system certified by the SRPC as non-ISTS lines carrying more than 50% Inter-State power, for inclusion in POC Transmission charges for the FY 2016-17, FY 2018-19 and FY 2020-21 in accordance with CERC (Terms and Conditions of Tariff) Regulations, 2014, CERC (Terms and Conditions of Tariff) Regulations, 2019 and CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020.

AND IN THE MATTER OF:

Transmission Corporation of Telangana Limited,
Vidyut Soudha, Khairatabad,
Hyderabad, Telangana-500082

... Petitioner

PETITION FOR DETERMINATION OF TARIFF OF THE INTRA-STATE TRANSMISSION LINES OF THE TSTRANSCO-OWNED TRANSMISSION LINES/SYSTEM CERTIFIED BY THE SRPC AS NON-ISTS LINES CARRYING MORE THAN 50% INTER-STATE POWER, FOR INCLUSION IN POC TRANSMISSION CHARGES FOR THE FY 2016-17, FY 2018-19 AND FY 2020-21 IN ACCORDANCE WITH CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2014, CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2019 AND CERC (SHARING OF INTER STATE TRANSMISSION CHARGES AND LOSSES) REGULATIONS, 2020.

MOST RESPECTFULLY SHOWETH:

1. The present Petition is being preferred by the Transmission Corporation of Telangana Limited, the transmission licensee of the state of Telangana for determination of tariff of the Intra-State Transmission Lines certified by the SRPC as non-ISTS lines carrying more than 50% inter-State power, for inclusion in POC Transmission charges for FY 2016-17, FY 2018-19 and FY 2020-21.

2. The relevant para specified under section 13(13) of the CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020, is reproduced below:

“An Intra-State transmission system for which tariff is approved by the Commission shall be included for sharing of transmission charges of DICs in accordance with Regulations 5 to 8 of these regulations, only for the period for which such tariff has been approved”.

3. The CERC had issued the following Statement of Reasons dated 10-08-2020 for CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020 on Intra-State Transmission Charges:

“(39)(3)(2) Approval of tariff for Intra-State system is done by SERCs. However, in circumstances where as Intra-State system is used for Inter-State flow of power, its tariff is required to be approved by CERC, if such system is to be considered for recovery of transmission charges under the 2020 Sharing Regulations”.

4. It is submitted that TSTRANSCO had already filed petitions before the Hon’ble Commission for determination of Inter-State transmission charges for 41Nos. inter-State transmission lines for the FY 2014-2019 and FY 2019-2024 and the same were admitted vide Diary No. 721 of 2020 and Diary No. 189 of 2021 of CERC, respectively.

5. It is further submitted that the SRPC issued list of Intra-State Transmission Lines of TSTRANSCO, qualified as the non-ISTS lines carrying more than 50% Inter-State power for inclusion in PoC charges vide its letters Dt.23.01.2020(for the FY 2014-15, FY 2015-16 & FY 2016-17), Dt. 20.03.2018 (for FY 2018-19) and Dt. 30.04.2020 (for FY 2020-21), which are annexed hereto and collectively marked as **Annexure A**.

6. As such, there are twelve Intra-State transmission lines/Assets included in the instant Petition for determination of Transmission charges as given in the table below:

Sl. No	For FY	Name of the Intra-State Line	Voltage Level (kV)	Date of Commissioning (DD/MM/YYYY)	Asset Name	Total Line Length (CKM)	No. of Bays
1	2016-17	Tandur - Yeddumailaram	220	15/08/2002	Asset – I	90.5	2
2	2018-19	Jurala-Lower Jurala-III	220	10/12/2013	Asset – II	11.00	2
3		Tandur-Shankarapally	220	14/03/2014	Asset – III	83.00	2
4		Veltoor-Jurala	220	14/03/2008	Asset – IV	31.50	2
5		Veltoor-Lower Jurala	220	10/12/2013	Asset – V	28.10	2
6		Jurala-Lower Jurala -(New Asset)	220	29/04/2016	Asset – VI	11.00	4
7	2020-21	Wanaparthi-Chinnamaroor	132	31/07/2004	Asset – VII	49.38	2
8		Alampur-Chinnamaroor	132	31/07/2004	Asset – VIII	72.88	2
9		Ganeshpahad-Wadapalli-I	132	8/7/2002	Asset – IX	5.00	2
10		Ganeshpahad-Wadapalli-II	132	25/04/2011	Asset – X	5.00	2
11		Old line portion of Khammam-Asupaka	400	10/5/2002	Asset – XI	114.00	2
12	2020-21	LILO portion of Khammam - Asupaka (LILO Asset)	400	9/8/2017	Asset - XII	17.00	2

7. The Order dated 12.05.2017 of CERC in the Petition 07/SM/2017 stipulates certain directions and the para - 6 is stated below.

“Further, the owners/developers of these lines are required to file petitions for determination of tariff for the 2014-19 tariff period, if not done already. The list of the natural inter-state lines for which tariff was granted by the Commission for 2009-14 period is given in the Annexure. The owners/developers of these natural inter-Statelines (mentioned in the Annexure) are directed to file petitions for determination of tariff for the 2014-19 tariff in accordance with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2014”.

8. It is submitted that the instant Petition is filed by the Petitioner duly following the procedure for Tariff computations by this Hon’ble Commission in the order dt.21.06.2018 in Petition No. 237/TT/2016 for determination of Inter-State Transmission Charges and in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2019.

9. CAPITAL COST:

A) Capital Cost for the Assets I to V & VII to XI (excluding 1No. New Asset and 1No. LILO Asset):

The individual capital cost details for these 10 lines are not available. Hence, the capital cost is considered in line with the Hon’ble Commission’s methodology of computation of Tariff of ISTS lines. The benchmark cost taken is the same as in order dated 21.06.2018 for Petition 237/TT/2016 used for the tariff calculation for FY 2016-17, 2018-19 & FY 2020-21.

The methodology in Order dated 21.06.2018 for Petition 237/TT/2016 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 132KV, 220KV or 400KV. 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 line's 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, wild-zones, tower and conductor type etc. +/- 500KV 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 220KV, 132KV and 66KV TL taken together makes it around 8.3% of the total line length owned by PGCIL. Further, 132KV TLs were established in NER prior to 1990, and Transmission lines of 220KV Voltage levels were last commissioned in around the year 2004 in NR. Majority of the Transmission lines consists of 400KV which corresponds to 66% of the total transmission line lengths. Thus, the 400KV and lesser voltage levels account for approximately 75% of the Transmission lines. Assuming the above referred spread of voltage wise percentage of 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 400KV S/C line. Considering the 400KV 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 400KV S/C TL		Rs X Lakh/KM
1	400KV D/C TL	1.39 X
2	220KV D/C TL	0.57 X
3	220KV S/C TL	0.36 X
4	132KV D/C TL	0.43 X
5	132KV 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 132KV. The above table contemplates Twin Moose conductor which is widely used in states transmission lines.”

B) Accordingly, the capital cost calculated for the ten assets i.e., Asset No. I to V & VII to XI is detailed below:

(Rs. in Lakhs).

Asset No.	Asset Name	Rationalized Cost	Length (KM)	Multi- plication Factor	Gross Value asset
Asset No. I	220KV Tandur – Yeddumailaram	34.00	90.50	0.36	1107.72
Asset No. II	220KV Jurala – Lower Jurala Feeder– III	94.67	11.00	0.36	374.89
Asset No. III	220KV Tandur – Shankarpally	94.67	83.00	0.36	2828.74
Asset No. IV	220KV Veltoor – Jurala	47.04	31.50	0.36	533.43
Asset No. V	220KV Veltoor – Lower Jurala	94.67	28.10	0.36	957.68
Asset No. VII	132KV Wanaparthy – Chinnamaroor	27.02	49.38	0.31	413.62
Asset No. VIII	132KV Alampur – Chinnamaroor	27.02	72.88	0.31	610.46
Asset No. IX	132KV Ganeshpahad – Wadapalli Feeder - I	34.00	2.50	0.43	36.55
Asset No. X	132KV Ganeshpahad – Wadapalli Feeder - II	65.67	2.50	0.43	70.60
Asset No. XI	400KV Khammam – Asupaka (Original)	34.00	114.00	1.00	3876.00

10. The Audited Capital cost of Asset No. VI and XII (1 No. New Asset: 220KV Jurala –Lower Jurala Feeder I & II and 1No. LILO Asset: 400KV Khammam – Asupaka) are tabulated as shown below:

I) CAPITAL COST:*(Rs. in Lakhs)*

Asset No.	Asset Type	Asset	Capital Cost (excl.IDC) as on COD	IDC till COD	Capital Cost as on COD
Asset No.VI	New Asset	220KV Jurala – Lower Jurala Feeder I & II	853.29	89.59	942.88
Asset No. XII	LILO Asset	400KV Khammam – Asupaka	2910.41	305.59	3216.00

The copies of Auditor's Certificates & Tariff Forms for Assets No. VI & XII are enclosed hereto and are collectively marked as **Annexure B** and the copies of Administrative Approvals and Loan Sanctions are enclosed as **Annexure C & Annexure D**, respectively.

The above expenditure is in line with the audit certificates enclosed.

II) ADDITIONAL CAPITAL COST:

The additional capital expenditure of Asset No. VI and XII (1No. New Asset and 1No. LILO Asset):

Further, the following are the details of additional expenditure incurred after COD and these expenses are towards transfers/ adjustments carried out after COD. The said additional expenditure qualifies as additional Capital Expenditure as per Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019.

i) Asset No. VI: 220KV DC Line Jurala – Lower Jurala*(Rs. in lakhs)*

Capital Cost as on COD	Additional Capital Expenditure			Capital Cost as on 31.03.2019
	2016-17	2017-18	2018-19	
942.88	92.93	-	-	1035.81

It is pertinent to state herein that the Additional cost of Rs.92.93 lakhs was incurred in FY2016-17.

ii) Asset No. XII: 400KV Khammam - Asupaka

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure		Capital Cost as on 31.03.2021
	2019-20	2020-21	
3216.00	10.48	-	3226.48

11. The other tariff parameters of all the assets of the present Petition are detailed as below.

I). DEPRECIATION:

In line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2019, the assets are depreciated up to 90% of the capital cost, leaving 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 considered @5.28% till 12 years and @2.05% beyond that till 25 years of life of the asset. For the assets commissioned after 2014, the rate of depreciation considered @5.28%. Further, Normative loan repayment during a year shall be deemed to be equal to the depreciation allowed for that year.

A) For Assets I to V & VII to XI:

The Asset wise calculation of depreciation for the Assets I to V & VII to XI are shown vide **Annexure E**.

B) The following are the calculations for depreciation of Asset No. VI and XII (1No. New Asset & 1No. LILO Asset):

i) Asset No. VI: 220KV DC Line Jurala – Lower Jurala

(Rs. in lakhs)

Particulars	2016-17	2017-18	2018-19
Opening Capital Cost	942.88	1035.81	1035.81
Additional Capitalization	92.93	-	-
Closing Capital Cost	1035.81	1035.81	1035.81
Average Capital Cost	989.34	1035.81	1035.81
Rate of depreciation	5.28%	5.28%	5.28%
Depreciable value	848.59	932.23	932.23
Depreciation	48.09	54.69	54.69
Cumulative depreciation at the end of the period	48.09	102.78	157.47

ii) Asset No. XII :400KV Khammam - Asupaka

(Rs. in lakhs)

Particulars	2017-18	2018-19	2019-20	2020-21
Opening Capital Cost	3216.00	3216.00	3226.48	3226.48
Additional Capitalization	-	10.48	-	-
Closing Capital Cost	3216.00	3226.48	3226.48	3226.48
Average Capital Cost	3216.00	3221.24	3226.48	3226.48
Rate of depreciation	5.28%	5.28%	5.28%	5.28%
Depreciable value	2894.40	2899.12	2733.47	2733.47
Depreciation	109.33	170.08	170.36	170.36
Cumulative depreciation at the end of the period	109.33	279.41	449.77	620.12

II) DEBT EQUITY RATIO:

The Debt Equity Ratio for all assets is considered in the normative debt equity ratio of 70:30.

III) INTEREST ON TERM LOANS:**A) Assets I to XII:**

The rate of interest for all the assets has been considered from the weighted average rate of loan for TS TRANSCO as a whole, as the details of individual line wise breakup details of interest rates are not available. The year wise interest rates considered are as follows:

Particulars(FY)	2016-17	2017-18	2018-19	2019-20	2020-21
Rate of Interest on Loan	9.98%	9.98%	9.98%	11.00%	11.00%

B) The detailed calculations for interest on loan are shown in the **Annexure B.**

C) The following are details of asset wise Interest on Loans claimed in the tariff calculations of **Asset No. VI** and **XII** (1No. New Asset & 1No. LILO Asset):

i). Asset No. VI: 220KV DC Line Jurala – Lower Jurala

(Rs. in lakhs)

Particulars	2016-17	2017-18	2018-19
Gross loan – Opening	660.01	725.07	725.07
Cumulative repayment of Normative Loan up to previous year	-	48.09	102.78
Net Normative loan – Opening	660.01	676.98	622.29
Increase/Decrease due to ACE/de-capitalization during the year	65.05	-	-
Less: Repayment of Loans during the year	48.09	54.69	54.69
Net Normative loan – Closing	676.98	622.29	565.34
Average Normative Loan	668.50	647.37	592.68
Rate of Interest of actual loans	9.98%	9.98%	9.98%
Interest on Normative loan	66.72	64.83	59.38

ii) Asset No. XII : 400KV Khammam – Asupaka

(Rs. in lakhs)

Particulars	2017-18	2018-19	2019-20	2020-21
Gross loan – Opening	2251.20	2251.20	2258.53	2258.53
Cumulative repayment of Normative Loan up to previous year	-	109.33	279.41	449.77
Net Normative loan – Opening	2251.20	2141.88	1979.13	1808.77
Increase/Decrease due to ACE/de-capitalization during the year	-	7.33	-	-
Less: Repayment of Loans during the year	109.33	170.08	170.36	170.36
Net Normative loan – Closing	2141.87	1979.13	1808.77	1638.41
Average Normative Loan	2196.84	2060.50	1893.95	1723.59
Rate of Interest of actual loans	9.98%	9.98%	11.00%	11.00%
Interest on Normative loan	219.21	205.64	208.33	189.59

IV) **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:

TRANSCO is a profit-making entity, the total tax rate (including surcharge and Education cess) for the tariff period 2016-17 to 2020-21 is as below:

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Base Rate	30%	30%	30%	30%	30%
Surcharge	12%	12%	12%	12%	12%
Education Cess	3%	3%	4%	4%	4%
Total Tax	34.608%	34.608%	34.944%	34.944%	34.944%

The Return on Equity (RoE (%)) is considered after grossing up with the tax rate.

Particulars	2016-17	2017-18	2018-19	2019-20	2020-21
Rate of Return on Equity(%)	23.703%	23.703%	23.826%	23.826%	23.826%

A) Return on Equity (RoE) for Assets I to V & VII to XI:

Detailed calculations for RoE component is shown in the **Annexure B**.

B) Return on Equity (RoE) for Asset No. VI and XII (1No. New Asset& 1No. LILO Asset):

i) **Asset No. VI: 220KV DC Line Jurala – Lower Jurala**

(Rs. in lakhs)

Particulars	2016-17	2017-18	2018-19
Equity as on COD/Admitted equity	282.86	310.74	310.74
Additional Capital made during the year.	27.88	-	-
Closing Equity	310.74	310.74	310.74
Average Equity	296.80	310.74	310.74
Return on Equity(%)	15.50	15.50	15.50
Tax rate for respective year(%)	34.608	34.608	34.944
Rate of Return on Equity(%)	23.703	23.703	23.826
Return on Equity	64.95	73.66	74.04

ii) Asset No. XII :400KV Khammam - Asupaka

(Rs. in lakhs)

Particulars	2017-18	2018-19	2019-20	2020-21
Equity as on COD/Admitted equity	964.80	964.80	967.94	967.94
Additional Capital made during the year	-	3.14	-	-
Closing Equity	964.80	967.94	967.94	967.94
Average Equity	964.80	966.37	967.94	967.94
Return on Equity(%)	15.50	15.50	15.50	15.50
Tax rate for respective year(%)	34.608	34.944	34.944	34.944
Rate of Return on Equity(%)	23.703	23.826	23.826	23.826
Return on Equity	147.24	230.24	230.62	230.62

V) **O&M EXPENSES:**

The O & M expenses are 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. In line with the principles of the Central Electricity Regulatory Commission (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010 with amendments and the previous methodology adopted by the commission in line with the order on Petition No.213/TT/2013, the overall substation cost (The cost at both ends of the line) needs to be apportioned to the transmission line.

The bay that is connected to the line can be directly identified with the line. Though there are multiple bays in the substation and the overall O&M per line would be more than O&M for the specific bay, at the minimal, the O&M of the bay that is connecting directly to the line is being apportioned to the line. This at the minimum ensures that a nominal O&M expenses of the Substation is getting included in the PoC Mechanism.

A) O&M Expenses for Assets I to V & VII to XI:

O&M Expenses for Assets I to V & VII to XI (excluding 1No. New Asset & 1No. LILO Asset) are calculated in line with Norms for O&M Expenses and detailed calculations are shown at **Annexure B**.

B) The following are the details of Asset wise O&M expenses claimed for Asset No. VI and XII (1No. New Asset & 1No. LILO Asset):

i). Asset No. VI: 220KV DC Line Jurala – Lower Jurala

(Rs. in Lakhs)

Particulars	2018-19
A) Bay O&M Expenses:	
No. of Bays (Nos.)	4
Norm (Lakh/Bay)	48.10
O&M Expenses (Total : A)	192.20
B) Line O&M Expenses:	
Length (KMs)	11.00
Norm (Lakh/KM)	0.806
O&M Expenses (Total : B)	8.87
Total O&M Expenses (A+B) :	201.27

ii). Asset No. XII: 400KV Khammam – Asupaka

(Rs. in Lakhs)

Particulars	2020-21
A) Bay O&M Expenses:	
No. of Bays (Nos.)	2
Norm (Lakh/Bay)	33.28
O&M Expenses (Total : A)	66.56
B) Line O&M Expenses:	
Length (KMs)	8.50
Norm (Lakh/KM)	0.91
O&M Expenses (Total : B)	7.74
Total O&M Expenses (A+B) :	74.30

VI) INTEREST ON WORKING CAPITAL:

In accordance with the Tariff Regulations of CERC (Terms and Conditions of Tariff Regulations), 2014, 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 2 months of Transmission charges for FY 2016-17 & FY 2018-19). The interest on working capital is considered @13.50% p.a. based on SBI base rate as on 01.04.2014.

As per 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 45 days of Transmission charges for FY 2020-21). The interest on working capital is considered @13.50% p.a. based on SBI base rate as on 01.04.2019.

A. The details of Interest on Working Capital claimed for **Assets I to V & VII to XI** are shown vide **Annexure B**.

B. The following are the details of asset wise Interest on Working capital for **Asset No. VI and XII** (1 No. New Asset & 1 No. LILO Asset):

i) Asset No. VI:220 KV DC Line Jurala – Lower Jurala

(Rs. in lakhs)

Particulars	2018-19
O & M Expenses	16.77
Maintenance Spares	30.19
Receivables	67.47
Total Working Capital	114.43
Rate of Interest	13.50%
Interest on Working Capital	15.45

ii) Asset No. XII :400KV Khammam - Asupaka

(Rs. in lakhs)

Particulars	2020-21
O & M Expenses	6.19
Maintenance Spares	11.15
Receivables	83.66
Total Working Capital	100.99
Rate of Interest	13.50%
Interest on Working Capital	13.63

VII) Following is summarized details of Year Wise Transmission Charges for Asset No. VI and XII (1No. New Asset& 1No. LILO Asset):

i) Asset No. VI: 220KV DC Line Jurala – Lower Jurala

(Rs. in lakhs)

Particulars	2018-19
Depreciation	54.69
Interest on Loan	59.38
Return on Equity	74.04
Interest on Working Capital	15.45
O & M Expenses	201.27
Total	404.82

ii) Asset No. XII :400KV Khammam – Asupaka

(Rs. in lakhs)

Particulars	2020-21
Depreciation	170.36
Interest on Loan	189.59
Return on Equity	230.62
Interest on Working Capital	13.63
O & M Expenses	74.31
Total	678.52

- 12.** Based on the above, the following are Yearly Transmission Charges for 12 Nos. Lines/Assets (i.e, 10Nos.Intra State Transmission Lines, 1No. New Asset and 1No. LILO Asset) declared by SRPC as Intra states lines carrying more than 50% of Interstate power and considered as deemed ISTS lines for the FY 2016-17, FY 2018-19 & FY 2020-21.

(Rs. in lakhs)

Asset No.	Asset Name	2016-17	2018-19	2020-21	Total ATC
Asset No. I	220KV Tandur - Yeddumailaram	244.24	-	-	244.24
Asset No. II	220KV Jurala – Lower Jurala Feeder - III	-	172.23	-	172.23
Asset No. III	220KV Tandur – Shankarpally	-	635.07	-	635.07
Asset No. IV	220KV Veltoor – Jurala	-	192.59	-	192.59
Asset No. V	220KV Veltoor – Lower Jurala	-	282.15	-	282.15
Asset No. VI	220KV DC Line from Jurala – Lower Jurala (New Asset)	-	404.82	-	404.82
Asset No. VII	132KV Wanaparthi – Chinnamaroor	-	-	87.18	87.18
Asset No. VIII	132KV Alampur – Chinnamaroor	-	-	112.05	112.05
Asset No. IX	132KV Ganeshpahad – Wadapalli Feeder – I	-	-	39.35	39.35
Asset No. X	132KV Ganeshpahad – Wadapalli Feeder - II	-	-	46.84	46.84
Asset No. XI	400KV Khammam – Asupaka (Original)	-	-	424.84	424.84
Asset No. XII	LILO for 400KV Khammam – Asupaka (LILO Asset)	-	-	678.52	678.52
Yearly Transmission Charges Total (Rs. in Lakhs)		244.24	1686.86	1388.78	3319.88
Yearly Transmission Charges Total (Rs. in Crores)		2.44	16.87	13.89	33.20
Cumulative Total ATC = Rs. 33.20 Crores (Rupees Thirty Three Crores Twenty Lakhs only)					

13. It is submitted that the instant Petition for determination of tariff of the Intra-State lines is being filed before the CERC and as per section 6(a) of the CERC (payment of fees) Regulations, 2012, the fee for filing the Application has been paid to this Hon'ble Commission.

14. The Regulation 70 of the CERC Tariff Regulations, 2019 provides for reimbursement of the filing fee and other expenses. The said Regulation 70 reads as under:

70. Application fee and the publication expenses: The following fees, charges and expenses shall be reimbursed directly by the beneficiary in the manner specified herein:

The application filing fee and the expenses incurred on publication of notices in the application for approval of tariff, may in the discretion of the Commission, be allowed to be recovered by the generating company or the transmission licensee, as the case may be, directly from the beneficiaries or the long-term customers, as the case may be. ...

15. It is submitted that the Petitioner has already paid the requisite fee vide by way of RTGS/Online Credit for the period FY 2016-2021 as per the provisions of CERC (Payment of Fees) Regulation, 2022.

16. It is submitted that the said Petition is bonafide and in interest of justice.


17. PRAYER:

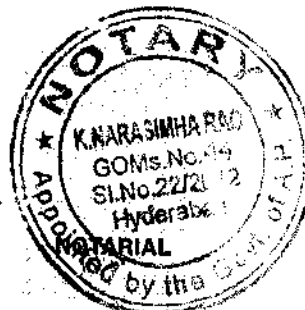
In view of the aforementioned facts and circumstances, the Petitioner respectfully prays that the Hon'ble Commission may be pleased to:

- a) Determine the Tariff of Intra-State Transmission lines of TSTRANSCO carrying more than 50% of Interstate power as certified by SRPC for the:
 - (i) FY 2016-17 ... for 1 No. Asset (i.e., Asset-I);
 - (ii) FY 2018-19 ... for 5 Nos. Assets (i.e., Asset-II to Asset-VI), and
 - (iii) FY 2020-21 ... for 6 Nos. Assets, (i.e., Asset-VII to Asset-XII);
- b) Approve the Annual Fixed charges for the assets covered under this Petition;
- c) Pass any other and further order(s) as this Hon'ble Commission may deem fit and proper under the facts and circumstances of the present Petition and in the interest of justice.

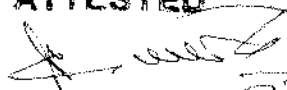
DATE:- 23 -06-2022

PLACE: Hyderabad.


PETITIONER
 Chief Engineer/Comm'l & RAC
 TSTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082.



ATTESTED


K. NARASIMHA RAO, B.A., LL.B
 ADVOCATE / NOTARY
 Appointed by the Govt. of T.S.
 # 10-1-891/401, A.C. Guards
 Khairatabad, HYDERABAD

23/6/2022

**IN THE CENTRAL ELECTRICITY REGULATORY COMMISSION
AT NEW DELHI**

PETITION NO. _____/TT/2022

IN THE MATTER OF:

Transmission Corporation of Telangana Limited

... Petitioner

AFFIDAVIT IN SUPPORT

I, Sri A. Vivekanand, son of Sri A. Narsing Rao, aged about 58 years and having office at Vidyut Soudha, Khairatabad, Hyderabad, Telangana-500082, do hereby solemnly affirm and state as under:

1. I am working as the Chief Engineer/Commercial & RAC in the Petitioner Company as named above and I am conversant with the facts of the case, and hence, competent and duly authorized by the Petitioner to affirm, swear, execute and file the present affidavit.
2. I say that the contents of the accompanying petition are based on the records of the Petitioner maintained in the normal course of business and believed by me to be true.
3. I say that the annexures filed along with the accompanying Petition are true copies of their respective originals and form part of record of the case.



A handwritten signature in black ink, appearing to read "A. Vivekanand".

DEPONENT

Chief Engineer/Comm & RAC
TSTRANSCO, Vidyut Soudha,
Hyderabad - 500 082.

VERIFICATION:

I, the deponent named above, do hereby verify that the contents of my affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.

Verified at Hyderabad on this the 23rd day of June, 2022.

H. Vishwanath
DEPONENT
 Chief Engineer/Comm'l & RAC
 TSTRANSCO, Vidyut Soudha.
 Hyderabad - 500 082.



ATTESTED
[Signature]
 23/6/2022
K. NARASIMHA RAO, B.A., LL.B.
 ADVOCATE / NOTARY
 Appointed by the Govt. of T.S.
 # 10-1-891/401, A.C. Guards
 Khairatabad, HYDERABAD.

Non-ISTS Lines carrying Inter state power more than 50%**Annexure-A**

S.NO	For FY Year	Name of the Line	Voltage Level in KV
1	2014-15	Nil	Nil
2	2015-16	Nil	Nil
3	2016-17	Tandur-Yeddumailaram	220
4	2017-18	Nil	Nil
5	2018-19	Jurala-Lower Jurala-1	220
6	2018-19	Jurala-Lower Jurala-2	220
7	2018-19	Jurala-Lower Jurala-3	220
8	2018-19	Tandur-Shankarapally	220
9	2018-19	Veltoor-Jurala	220
10	2018-19	Veltoor-Lower Jurala	220
11	2019-20	Nil	Nil
12	2020-21	Khammam-Asupaka	400
13	2020-21	Wanaparthi-Chinnamaroor	132
14	2020-21	Alampur-Chinnamaroor	132
15	2020-21	Ganeshpahad-Wadapalli-1	132
16	2020-21	Ganeshpahad-Wadapalli-2	132

Annexure - II

FAX/ SPEED POST

भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेस कोर्स क्रॉस रोड
बेंगलूरु - 560 009



Government of India
Central Electricity Authority
Southern Regional Power Committee
29, Race Course Cross Road
BENGALURU - 560 009

Phone : 080-2228 2516 ; FAX : 080-2225 9343; e-mail: secommmlsrpc-ka@nic.in ; web site: www.srpc.kar.nic.in

No. SRPC/SE-1/2020/622-39

दिनांक/ Dated: 23rd January, 2020

सेवा में/ To

वितरण सूची के अनुसार /As per Distribution List

Subject: Certification of Non-ISTS Lines carrying interstate power for the period 2014-15, 2015-16 and 2016-17, which were having more than 50% utilization for interstate power transmission during the Years 2013-14, 2014-15 and 2015-16 respectively- reg.

Sir,

CERC Third Amendment of Sharing of inter-State Transmission Charges and Losses Regulations 2015, Clause 2. 1.3 of Annexure - I stipulates as below:

"Certification of non-ISTS lines carrying inter-State power, which were not approved by the RPCs on the date of notification of the Central Electricity Regulatory Commission (Sharing of Transmission Charges and Losses) Regulations, 2009, shall be done on the basis of load flow studies. For this purpose, STU shall put up proposal to the respective RPC Secretariat for approval. RPC Secretariat, in consultation with RLDC, using WebNet Software would examine the proposal. The results of the load flow studies and participation factor indicating flow of Inter State power on these lines shall be used to compute the percentage of usage of these lines as inter State transmission. The software in the considered scenario will give percentage of usage of these lines by, home State and other than home State. For testing the usage, tariff of similar ISTS line may be used. The tariff of the line will also be allocated by software to the home State and other than home State. Based on percentage usage of ISTS in base case, RPC will approve whether the particular State line is being used as ISTS or not...".

In compliance with the regulations, the lines as listed in the respective Annexures are certified as lines carrying interstate power, in consultation with SRLDC:

- (i) For the year 2014-15, no Non-ISTS lines have qualified for certification. The data used for the study is taken from Quarter- 1 to Quarter-4 of 2013-14, which is considered for POC computation.

- (ii) For the year 2015-16, 10 non ISTS lines, given at Annexure I hereto. The data used for the study is taken from Quarter- 1 to Quarter-4 of 2014-15, which is considered for POC computation.
- (iii) For the year 2016-17, 17 non ISTS lines, given at Annexure II hereto. The data used for the study is taken from Quarter- 1 to Quarter-4 of 2015-16, which is considered for POC computation.

Yours faithfully,

मेका रामकृष्ण 23/11/2010

(मेका रामकृष्ण/MEKA RAMKRISHNA)
अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

Annexure-II

Non-ISTS Lines Certified for the year 2016-17

SL.No	Lines Certified by RPC	Voltage (kV)	State
1	SULURETA-NLR42:1	220	AP
2	KONAPLLY-VTPS:1	220	AP
3	KONAPLLY-VTPS:2	220	AP
4	KONAPLLY-CHILALLU:1	220	AP
5	KONAPLLY-CHILALLU:2	220	AP
6	VTPS-CHILALLU:1	220	AP
7	VTPS-CHILALLU:2	220	AP
8	VTPS-RENACALA:2	220	AP
9	KURNOOL-BKOTKUR:1	220	AP
10	CHITTOOR-SDSTPS:1	400	AP
11	CHITTOOR-SDSTPS:2	400	AP
12	NUNNA2-VTS-IV:1	400	AP
13	GAZUWAKA1-KALPAKKA1:1	400	AP
14	GAZUWAKA1-KALPAKKA1:2	400	AP
15	TANDUR2-YDMLRM2:1	220	TS
16	ABISEK42-KAYTHAR2:1	220	TN
17	ABISEK42-VERANAM2:1	220	TN

2017-18 data => used for period April 2018 to March 2019

FAX / POST



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बैंगलूर :- 560 009



Government of India
Central Electricity Authority
Southern Regional Power Committee
29, Race Course Cross Road
BANGALORE - 560 009



आईएसओ : 9001-2000
ISO : 9001-2000

Phone : 080 -2228 2516 ; FAX : 080-2225 9343; e-mail: secommlsrpc-ka@nic.in ; web site: www.srpc.kar.nic.in

सं. दक्षेविस/अ.1/2018/

No. SRPC/SE-I/2018/ 1723 - 49

दिनांक/ Dated: 20th March, 2018

सेवा में / To

वितरण सूची के अनुसार/As per Distribution List

Subject: - Certification of Non-ISTS Lines carrying inter-state power with other states having more than 50% utilization during the Year 2017-18-reg.

Sir,

CERC Third Amendment of Sharing of inter-State Transmission Charges and Losses Regulations 2015, Clause 2.1.3 of Annexure -I stipulates as below:

"Certification of non-ISTS lines carrying inter-State power, which were not approved by the RPCs on the date of notification of the Central Electricity Regulatory Commission (Sharing of Transmission Charges and Losses) Regulations, 2009, shall be done on the basis of load flow studies. For this purpose, STU shall put up proposal to the respective RPC Secretariat for approval. RPC Secretariat, in consultation with RLDC, using WebNet Software would examine the proposal. The results of the load flow studies and participation factor indicating flow of Inter State power on these lines shall be used to compute the percentage of usage of these lines as inter State transmission. The software in the considered scenario will give percentage of usage of these lines by home State and other than home State. For testing the usage, tariff of similar ISTS line may be used. The tariff of the line will also be allocated by software to the home State and other than home State. Based on percentage usage of ISTS in base case, RPC will approve whether the particular State line is being used as ISTS or not. ..."

In compliance with the regulations, 62 non ISTS lines, given at annexure hereto, are certified, in consultation with SRLDC, as lines carrying inter-State power. The data used for the study is taken from Quarter-1 to Quarter-4 of 2017-18, which is considered for POC computation as discussed in 33rd Meeting of Commercial Sub Committee held on 31st January 2017 and approved in 31st SRPC Meeting held on 25.02.2017.

भवदीय/Yours faithfully,



(असित सिंह/ASIT SINGH)

अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

संलग्नक:यथोपरि/ Encl: as above

2018-19

ANNEXURE (1/2)

Sl.No.	Line Certified by SRPC	Voltage Level (KV)	State
1	CHITTOOR-SDSTPS:1	400	AP
2	CHITTOOR-SDSTPS:2	400	AP
3	CHITTOOR4-CHITTOOR:1	220	AP
4	CHITTOOR4-CHITTOOR:2	220	AP
5	GAZUWAKA1-KALPAKKA1:1	400	AP
6	GAZUWAKA1-KALPAKKA1:2	400	AP
7	GOOTY-PG-DHONE:1	220	AP
8	GOOTY-PG-DHONE:2	220	AP
9	JAMALAMADUGU-URAVAKONDA:1	400	AP
10	JAMALAMADUGU-URAVAKONDA:2	400	AP
11	KONAPLLY-CHILALLU:1	220	AP
12	KONAPLLY-CHILALLU:2	220	AP
13	KONAPLLY-VTPS:1	220	AP
14	KONAPLLY-VTPS:2	220	AP
15	NPKUNTAPS-NPKUNTAPHI:1	220	AP
16	NPKUNTAPS-NPKUNTAPHI:2	220	AP
17	NUNNA2-STNPLLI:1	400	AP
18	NUNNA2-VEMAGIRI:1	400	AP
19	NUNNA2-VTS-IV:1	400	AP
20	SOMYALLI-BELKALAGDUR:2	220	AP
21	SOMYALLI-DHONE:2	220	AP
22	SOMYALLI-DHONE:3	220	AP
23	SRIAILAM-SOMYALLI:1	220	AP
24	SRIAILAM-TALAPLLI:1	220	AP
25	SRIAILAM-TALAPLLI:2	220	AP
26	SULURETA-NLR42:1	220	AP
27	SULURETA-NLR42:2	220	AP
28	SULURETA-NLR42:3	220	AP
29	TALAPLLI-VTPS:1	220	AP
30	TALAPLLI-VTPS:2	220	AP
31	TALAPLLI-VTPS:3	220	AP
32	VEMAGIRI1-STNPLLI:1	400	AP
33	VTPS-CHILALLU:1	220	AP
34	VTPS-CHILALLU:2	220	AP
35	VTPS-NUNNA:1	220	AP
36	VTPS-RENACALA:2	220	AP
37	JURLA-SS-LOWERJURLA:1	220	TS
38	JURLA-SS-LOWERJURLA:2	220	TS

AP-26/1/2019

ANNEXURE (2/2)

Sl.No.	Line Certified by SRPC	Voltage Level (KV)	State
39	JURLA-SS-LOWERJURLA:3	220	TS
40	TANDUR2-SHANKARPALLY:1	220	TS
41	VLT220BUS-JURLA-SS:1	220	TS
42	VLT220BUS-LOWERJURLA:1	220	TS
43	⑧ CHIKKODI-BELGAUM:1	220	KA
44	⑨ CHIKKODI-BELGAUM:2	220	KA
45	① KANABRGI-NARNA-KP:1	220	KA
46	② KANABRGI-NARNA-KP:2	220	KA
47	③ MAHLGPUR-KUDACHI:1	220	KA
48	④ NRD-PG-GTPRBA:1	220	KA
49	⑤ NRD-PG-GTPRBA:2	220	KA
50	⑥ RTPS-RAICHUR1:1	220	KA
51	⑦ RTPS-RAICHUR1:2	220	KA
52	⑧ ABISEK42-KAYTHAR2:1	230	TN
53	⑨ ABISEK42-SANKNRI2:1	230	TN
54	⑩ ABISEK42-UDAYATR2:1	230	TN
55	① ARASUR-KARAMADAI:1	400	TN
56	② ARASUR-KARAMADAI:2	400	TN
57	③ HOSUR2-MTRAUTO:1	230	TN
58	④ SPET-VINAMAN2:1	230	TN
59	⑤ UDMLPT2-MYVADY42:1	230	TN
60	⑥ UDMLPT2-MYVADY42:2	230	TN
61	PONDY42-BHAHUR2:1	230	PY
62	PONDY42-VLIYANR2:1	230	PY

TS = 6 lines

KA = 9 lines

TN = 9 lines
400KV = 2
220KV = 7

PY = 2 lines

Outage:-
1) AP, IS - from Ann. Outages data furnished by
2) AR → RIL, SR-1

E-MAIL



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Phone : 080 -2228 2516 ; FAX : 080-2225 9343; e-mail: secommmlsrpc-ka@nic.in ; web site: www.srpc.kar.nic.in

No. SRPC/SE-1/2020/

दिनांक/ Dated: 30th April, 2020

सेवा में / To

वितरण सूची के अनुसार
As per Distribution List

Sub:-Certification of non-ISTS Lines carrying interstate power for the period 2020-21, which were having more than 50% utilization for interstate power transmission during the year 2019-20-Regarding

महोदय /Sir,

CERC Third Amendment of Sharing of inter-State Transmission Charges and Losses regulations, 2015, Clause 2.1.3 of Annexure-I stipulates as below:

"Certification of non-ISTS lines carrying inter-State power, which were not approved by the RPCs on the date of notification of the Central Electricity Regulatory Commission (Sharing of Transmission Charges and Losses) Regulations, 2009, shall be done on the basis of load flow studies. For this purpose, STU shall put up proposal to the respective RPC Secretariat for approval. RPC Secretariat, in consultation with RLDC, using WebNet Software would examine the proposal. The results of the load flow studies and participation factor indicating flow of Inter State power on these lines shall be used to compute the percentage of usage of these lines as inter State transmission. The software in the considered scenario will give percentage of usage of these lines by home State and other than home State. For testing the usage, tariff of similar ISTS line may be used. The tariff of the line will also be allocated by software to the home State and other than home State. Based on percentage usage of ISTS in base case, RPC will approve whether the particular State line is being used as ISTS or not..."

In compliance with the regulations, 66 non ISTS lines as listed in the Annexure are certified as lines carrying interstate power, in consultation with SRLDC. The data used for the study is taken from Quarter -I to Quarter-IV of 2019-20, which is considered for POC computation as discussed.

Yours faithfully,

संलग्नक: यथोपरि/ Encl: as above

मेका रामकृष्ण
30/4/2020

(मेका रामकृष्ण/ MEKA RAMAKRISHNA)
अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

प्रेषित सूची/Mailing List (Commercial Sub-Committee)

1. मुख्य अभियंता (वाणिज्य), एपीसीसीटी, हैदराबाद / CE (Comm.), APPCC, Hyderabad. *Shreyaswale*
2. श्री वी रवि, जीएम (आईसीटी), एपीएसपीसीटीएल, तिरुपति/Shri V Ravi, GM (IPC), APSPDCI, Tirupati.
3. सेवा निबंधक, एसएलडीसी-टीसीटी-केपीसीटीएल/CA, SLDC-TBC, KPTCL, Bengaluru.
4. अधीक्षक अभियंता, एसएलडीसी, केपीसीटीएल, बेंगलूरु/SE, SLDC, KPTCL, Bengaluru.
5. उपाध्यक्ष (वित्त), केपीसीटीएल, बेंगलूरु/Dy. GM (Finance), KPTCL, Bengaluru.
6. अवर निदेशक (परियोजना), पी सी के लू, बेंगलूरु / Additional Director (Proj.), PCKI, Bengaluru.
7. मुख्य अभियंता (ए&एस), एसएलडीसी, केएसईटीएल, कालामासेरी/CE (Tr. & SO), SLDC, KSEBL Kalamassery.
8. कार्यकारी अभियंता (एलडी), एसएलडीसी, केएसईटीएल, कालामासेरी/EE (LD), SLDC, KSEBL, Kalamassery.
9. अधीक्षक अभियंता (एलडी व जीओ) टैन्ट्रान्सको, चेन्नै /SE (LD & GO), TANTRANSOCO, Chennai.
10. कार्यकारी अभियंता (ग्रिड), टैन्ट्रान्सको, चेन्नै /EE (Grid), TANTRANSOCO, Chennai.
11. मुख्य अभियंता (नियामक सेवा), टैन्ट्रान्सको, चेन्नै / CE (Regulatory Cell), TANGEDCO, Chennai
12. मुख्य अभियंता (वाणिज्य), टीएसपीसीटी, हैदराबाद/ CE (Comm.), TSPCC, Hyderabad
13. गुग प्र (वाणिज्य), टीएसपीसीटीएल, वारांगल/ CGM (Comm), TSNPDC, Warangal
14. कार्यकारी अभियंता/ एनटीपीसी, विद्युत विभाग, पुदुचेरी /EE (S.C.C.), Electricity Department, Puducherry.
- ✓ 15. महाप्रबंधक (वाणिज्य), सीसी, एनटीपीसी, नई दिल्ली / GM (Comm.), CC, NTPC, New Delhi.
- ✗ 16. महाप्रबंधक (वाणिज्य), एसआर - एचक्यू, एनटीपीसी, तिरुवनंतपुरम/GM (Comm.), SR-HQ, NTPC, Secunderabad
- ✗ 17. महाप्रबंधक (वाणिज्य), निगा मुख्यालय, एनएचसी, नैवेली /GM (Comm.), Corporate Office, NLCIL, Neyveli.
- ✗ 18. केंद्र निदेशक, एमएपीएस, कल्पक्कम/ Station Director, MAPS, Kalpakkam.
- ✗ 19. केंद्र निदेशक, के जी एस, कैगा/ Station Director, KGS, Kaiga.
- ✗ 20. केंद्र निदेशक, केकेएनपीपी, कुडनकुलम/ Station Director, KKNPP, Kudanakulam
- ✗ 21. सहा. महाप्रबंधक (वाणिज्य), एनटीईसीएल, वल्लूर एसटीपीएस/AGM (Comm.), NTECL, Vallur STPS.
- ✗ 22. उपाध्यक्ष, एनटीपीएल, तुतिकोरु/ Dy. GM, NTPL, Tuticorin
- ✗ 23. वरिष्ठ उपाध्यक्ष (व्यापार विकास), यूपीसीएल, बेंगलूरु/Sr. VP (Business Development), UPCL, Bengaluru
- ✗ 24. उपाध्यक्ष, जेएसडब्ल्यूएल, बेंगलूरु/ Deputy General Manager, JSWEI, Bengaluru.
- ✗ 25. श्री आसन मोहम्मद, कोस्टल एनर्जिज प्राइवेट लिमिटेड, चेन्नै/ Mr. Asan Mohammed, CEPI, Chennai
- ✗ 26. जी एम- पावर सेल, आइ एल & एफ एस टी एन पी सी एल, चेन्नै /GM- Power Sale, IL&FS TNPC L, Chennai
- ✗ 27. उपाध्यक्ष (वाणिज्य), हिनदुजा नेशनल पावर कॉर्पोरेशन लिमिटेड, मुंबई /VP (Comm.), HNPCL, Mumbai
- ✗ 28. जीएम, सेम्बकोर्प एनर्जी इंडिया लिमिटेड, नेल्लोर/GM, Sembcorp Energy India Limited, SPSR Nellore
- ✗ 29. निदेशक (वाणिज्यिक), पीटीसी इंडिया लिमिटेड, नई दिल्ली/Director (Comm.), PTC India Limited, New Delhi
- ✗ 30. मुख्य महाप्रबंधक, एनवीपीएल, नई दिल्ली/CGM, NVVNL, New Delhi
31. महाप्रबंधक (वाणिज्य), दक्षे-1, पावरग्रिड, तिरुवनंतपुरम/GM (Comm.), SRTS-I, PGCL, Secunderabad
32. सहा. महाप्रबंधक (वाणिज्य), दक्षे-1, पावरग्रिड, बेंगलूरु/GM (Comm.), SRTS-II, PGCL, Bengaluru
33. वित्त प्रमुख, एसआरएलडीसी, पोरोको, बेंगलूरु/Head of Finance, SRLDC, POSOCO, Bengaluru
34. बाजार प्रचालन प्रमुख, एसआरएलडीसी, पोरोको, बेंगलूरु/Head of MO, SRLDC, POSOCO, Bengaluru
- ✗ 35. निदेशक, जीएम & एनपीसी प्रभाग, केविप्रा, नई दिल्ली/Director, GM & NPC Division, CEA, New Delhi.

ANNEXURE (1/2)

SL.No	Lines certified by RPC	Voltage (kV)	State
1	CHITTOOR2-SDSTPS:Q2	400	AP
2	CHITTOOR2-SDSTPS:Q1	400	AP
3	NUNNA2-VEMAGIRI1:T3	400	AP
4	GAZUWAKA2-KALPAKKA1:T2	400	AP
5	GAZUWAKA2-KALPAKKA1:T1	400	AP
6	KURNOOL2-JAMALAMADUGU1:Q1	400	AP
7	KURNOOL2-JAMALAMADUGU1:Q2	400	AP
8	VEMAGIRI1-SATTENAPALLI:T1	400	AP
9	HINDUJA-KVKOTA1:T2	400	AP
10	HINDUJA-KVKOTA1:T1	400	AP
11	JAMALAMADUGU1-TALARICHERI:Q2	400	AP
12	JAMALAMADUGU1-TALARICHERI:Q1	400	AP
13	NPKUNTA-HINDUPUR3:Q2	400	AP
14	NPKUNTA-HINDUPUR3:Q1	400	AP
15	URAVAKONDA-HINDUPUR3:Q1	400	AP
16	URAVAKONDA-TALARICHERI:Q1	400	AP
17	URAVAKONDA-HINDUPUR3:Q2	400	AP
18	URAVAKONDA-TALARICHERI:Q2	400	AP
19	KHAMMAM-ASUPAKA1:T1	400	TS
20	GUMDIP2-NCTPS-I:1	230	TN
21	ABISEK42-SANKNRI2:1	230	TN
22	ABISEK42-KAYTHAR2:1	230	TN
23	ABISEK42-VERANAM2:1	230	TN
24	ABISEK42-UDAYATR2:1	230	TN
25	ABISEK42-VERANAM2:2	230	TN
26	UDMLPT2-MYVADY42:1	230	TN
27	UDMLPT2-MYVADY42:2	230	TN
28	CHITTOOR42-CHITTOOR1:1	220	AP
29	CHITTOOR42-CHITTOOR1:2	220	AP
30	SULURPET1-NELLORE42:1	220	AP
31	SULURPET1-NELLORE42:3	220	AP
32	SULURPET1-NELLORE42:2	220	AP
33	CHITTOOR1-KALIKIRI:1	220	AP
34	GOOTY-PG-DHONE1:2	220	AP
35	GOOTY-PG-DHONE1:1	220	AP
36	KONDAPALLI1-CHILLAKALLU1:1	220	AP
37	KONDAPALLI1-CHILLAKALLU1:2	220	AP
38	SRISAILAMRBI-TALLAPLLI:1	220	AP
39	SRISAILAMRBI-MYDUKUR:1	220	AP
40	SRISAILAMRBI-TALLAPLLI:2	220	AP

ANNEXURE (2/2)

SL.No	Lines certified by RPC	Voltage (kV)	State
41	SRISAILAMRBI-SOMYZULPALLI:1	220	AP
42	SRISAILAMRBI-BELKALAGUDUR:1	220	AP
43	VTSI-CHILLAKALLU1:1	220	AP
44	VTSI-RENTCHNTHALA1:2	220	AP
45	VTSI-CHILLAKALLU1:2	220	AP
46	KURNOOLI-BRAHMANKTKUR:1	220	AP
47	SUZLON-W1-VAJRAKUR:1	220	AP
48	URVAKONDA-BORAMPALLI:2	220	AP
49	URVAKONDA-BORAMPALLI:1	220	AP
50	URVAKONDA-BORAMPALLI:4	220	AP
51	URVAKONDA-BORAMPALLI:3	220	AP
52	SEDAMI-RAICHURTPS:1	220	KA
53	SEDAMI-SHAHAPUR:1	220	KA
54	SEDAMI-RAICHURTPS:2	220	KA
55	RAICHURTPS-RAICHURI:1	220	KA
56	RAICHURTPS-RAICHURI:2	220	KA
57	CHIKKODI-BELGAUM:2	220	KA
58	CHIKKODI-BELGAUM:1	220	KA
59	CHIKKODI-GATAPRABA:1	220	KA
60	CHIKKODI-GATAPRABA:2	220	KA
61	MACHERLA-RENTCHNTHALA:2	132	AP
62	MACHERLA-RENTCHNTHALA:1	132	AP
63	WANPATHY-CHIAMOOR:1	132	TS
64	ALAMPUR-CHIAMOOR:1	132	TS
65	GNSHPHD-W.PALLI:1	132	TS
66	GNSHPHD-W.PALLI:2	132	TS



Certificate

This is to certify that we have verified relevant records and other documents of Transmission Corporation of Telangana Limited having its registered office at 6-3-572, VIDYUT SOUDHA, KHAIRATABAD, HYDERABAD, TELANGANA-500 082 and on the basis of our verification, we certify that the Capital cost of **400KV Khammam – Asupaka LILO line** is detailed as under:

(Amount in Lakhs)									
S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2013 to 31.03.2014								
2	Expenditure from 01.04.2014 to 31.03.2015			2160.33				2160.33	226.83
3	Expenditure from 01.04.2015 to 31.03.2016			497.65				497.65	52.25
4	Expenditure from 01.04.2016 to 31.03.2017			77.30				77.30	8.12
5	Expenditure from 01.04.2017 to 31.03.2018			175.14				175.14	18.39
6	Expenditure from 01.04.2018 to 31.03.2019			9.48				9.48	1.00
	Total			2919.90				2919.90	306.59

We certify that we have verified expenditure upto 31.03.2021 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2021.

Further IDC has been calculated @10.50% on an average based on the rate of paid on term loans, since the interest during the construction period includes interest on other works under construction in books of accounts.

Place: Hyderabad
Date: 21-12-2021

For M/s. Satyanarayana and Associates,
Chartered Accountants

VSN

(CA. V. Satyanarayana)
Partner.

M. NO. 204487

FRN: 007663S

UDIN: 21204487AAAAIT7944



**PART-III
FORM-1**

Summary Sheet

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

Sl. No.	Particulars	Form No.	2020-21
1	2	3	4
1.1	Depreciation	10A	170.36
1.2	Interest on Loan	9E	189.59
1.3	Return on Equity	8	230.62
1.4	Interest on Working Capital	11	13.63
1.5	O & M Expenses		74.31
	Total		678.52

For M/s.Satyanarayana & Associates,
Chartered Accountants


(CA. V. Satyanarayana)

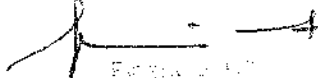
partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIT7944




(Petitioner)

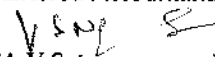
**PART-III
FORM-3**

Normative parameters considered for tariff computations

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

Particulars	Unit	2020-21
1	2	4
Base Rate of Return on Equity	%	15.500
Tax Rate	%	30.000
Effective tax rate	%	34.944
Target Availability	%	98.000
Normative O&M per km	Rs. Lakh	1.210
Normative O&M per bay	Rs. Lakh	48.100
Spares for WC as % of O&M	%	15.000
Receivables in Months for WC	Days	45
Bank Rate as on 01.04.2020	%	11.00%

For M/s.Satyanarayana & Associates,
Chartered Accountants


(CA. V. Satyanarayana)

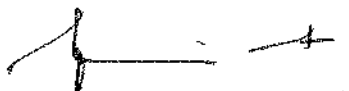
partner

M.No.204487

FRN:0076635

UDIN:21204487AAAAIT7944




(Petitioner)
 The Managing Director and Chief Executive Officer of the Corporation of Telangana Limited
 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 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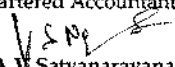
**PART-III
FORM-4A**

Statement of Capital cost

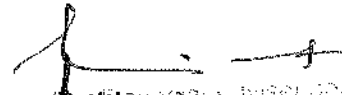
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region:
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LLO Line

(Amount in Rs.Lakh)

S.No.	Particulars	2017-18	2018-19	2019-20	2020-21
A	a) Opening Gross Block Amount as per books	-	2,910.41	2,919.89	2,919.89
	b) Amount of capital liabilities in A(a) above				
	c) Amount of IDC included in A(a) above	-	305.59	306.59	306.59
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	-	-	-	-
B	a) Addition in Gross Block Amount during the period	2,910.41	9.48	0.00	0.00
	b) Amount of capital liabilities in B(a) above				
	c) Amount of IDC included in B(a) above	305.59	1.00	0.00	0.00
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-
C	a) Closing Gross Block Amount as per books	2,910.41	2,919.89	2,919.89	2,919.89
	b) Amount of capital liabilities in C(a) above				
	c) Amount of IDC included in C(a) above	305.59	306.59	306.59	306.59
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-

For M/s. Satyanarayana and Associates
 Chartered Accountants

 (CA. V. Satyanarayana)
 Partner
 M.no.204487
 FRN:0076635
 UDIN:21204487AAAAIT7944




 (Petitioner)
 Chairman, Board of Directors
 Transmission Corporation of Telangana Limited
 Hyderabad, Telangana - 500 004

**PART-III
FORM-4B**

Statement of Capital Works in Progress

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region:
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LIL0 Line

(Amount in Rs.Lakh)

S.No.	Particulars	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
A	a) Opening CWIP amount as per books	-	2160.33	2657.98	2,735.27	-	-	-
	b) Amount of capital liabilities in a above							
	c) Amount of IDC included in (a) above	-	226.83	279.09	287.20	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	2160.33	497.65	77.30	175.14	9.48	-	-
	b) Amount of capital liabilities in a above							
	c) Amount of IDC included in (a) above	226.83	52.25	8.12	18.39	1.00	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year	-	-	-	2,910.41	9.48	-	-
	b) Amount of capital liabilities in a above							
	c) Amount of IDC included in (a) above	-	-	-	305.59	1.00	-	-
D	a) Closing CWIP Amount as per books	2160.33	2657.98	2,735.27	-	-	-	-
	b) Amount of capital liabilities in a above							
	c) Amount of IDC included in (a) above	226.83	279.09	287.20	-	-	-	-

For M/s. Satyanarayana and Associates

Chartered Accountants

(CA.V.Satyanarayana)

Partner

M.no.204487

FRN:007663S

UDIN:21204487AAAAIT7944



[Signature]
 (Petitioner)
 Director, and Chief
 Manager of Accounts (Accounts) &
 Chief Financial Officer
 TSPCL, 100, 101st Floor, TSPCL
 Hyderabad - 500 042.

**PART-III
FORM-6**

Financial Package upto COD

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

(Amount in Rs.Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency and Amount		Currency and Amount		Currency and Amount	
1	2	3	4	5	6	7
Loan-I		1970.55		2258.53		2258.53
Loan-II						
Loan-III						
Total Loans		1970.55		2258.53		2258.53
Equity-		844.52		967.94		967.94
Foreign						
Domestic						
Total Equity		844.52		967.94		967.94
Debt : Equity Ratio		70 : 30				
Total Cost		2815.07		3226.48		3226.48
	Debt	Equity	Total			
Capitalization up to COD (i.e., 09.08.2017) for 2017-18	2,251.20	964.80	3,216.00			
Add cap for 2018-19	7.33	3.14	10.48			
	2258.53	967.94	3226.48			
Add cap for year-1	Actual	Normative				
Debt						
Equity						
Total						
Add cap for year-2	Actual	Normative				
Debt						
Equity						
Total						
Total Capital Cost with add cap.						

For M/s. Satyanarayana and Associates

Chartered Accountants

(CA.V.Satyanarayana)

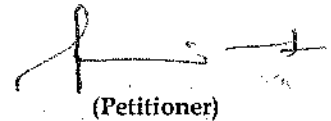
Partner

M.no.204487

FRN:0076635

UDIN:21204487AAAAIT7944




(Petitioner)

PART-III
FORM-8

Calculation of Return on Equity

Name of the Petitioner: Transmission Corporation of Telangana Limited
Name of the Region: Telangana
Name of the Project:
Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

(Amount in Rs.Lakh)

Sl. No.	Particulars	2017-18	2018-19	2019-20	2020-21
1	2	4	5	3	4
1.1	Equity as on COD/Admitted equity	964.80	964.80	967.94	967.94
1.2	Additional Capital made during the year.	-	3.14	-	-
1.3	Closing Equity	964.80	967.94	967.94	967.94
1.4	Average Equity	964.80	966.37	967.94	967.94
1.5	Return on Equity(%)	15.50	15.50	15.50	15.50
1.6	Tax rate for respective year(%)	34.61	34.94	34.94	34.94
1.7	Rate of Return on Equity(%)	23.70	23.83	23.83	23.83
1.8	Return on Equity*	147.24	230.24	230.62	230.62

For M/s. Satyanarayana and Associates

Chartered Accountants

(CA.V.Satyanarayana)

Partner

M.no.204487

FRN:0076635

UDIN:21204487AAAAIT7944



[Signature]
(Petitioner)
Financial Adviser and Civil
Engineer to Accounts (Accounts) &
Civil Engineer to
Petitioner
M/s. TSCCL, Hyderabad
Hyderabad - 500 082.

**PART-III
FORM-9E**

Calculation of Interest on Normative Loan

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

(Amount in Rs.Lakh)

Particulars	2017-18	2018-19	2019-20	2020-21
1	4	5	2	3
Gross loan - Opening	2,251.20	2251.20	2258.53	2258.53
Cumulative repayment of Normative Loan upto previous year	-	109.33	279.41	449.77
Net Normative loan - Opening	2,251.20	2141.87	1979.12	1808.77
Increase/Decrease due to ACE/de-capitalisation during the year	-	7.33	-	-
Less: Repayment of Loans during the year	109.33	170.08	170.36	170.36
Net Normative loan - Closing	2,141.87	1979.12	1808.77	1638.41
Average Normative Loan	2,196.54	2060.50	1893.95	1723.59
Rate of Interest of actual loans	9.98%	9.98%	11.00%	11.00%
Interest on Normative loan	219.21	205.64	208.33	189.59

For M/s. Satyanarayana and Associates

Chartered Accountants

V. L. N. S.
 (CA. V. Satyanarayana)

Partner

M.no.204487

FRN:007663S

UDIN:21204487AAAAIT7944



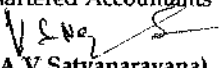
[Signature]
 Financial Adviser and Chief
 (Petitioner) of TSTRANSOCO Ltd.
 Chief Financial Officer
 TSTRANSOCO Ltd.,
 Hyderabad - 500 017

**PART-III
FORM-10A**

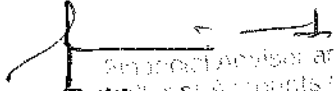
Statement of Depreciation

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

Sl.No.	Particulars	2017-18	2018-19	2019-20	2020-21
1	2	3	4	5	6
1	Opening Capital Cost	3216.00	3216.00	3226.48	3226.48
2	Closing Capital Cost	3216.00	3226.48	3226.48	3226.48
3	Average Capital Cost	3216.00	3221.24	3226.48	3226.48
4	Freehold land	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	2894.40	2,899.12	2903.83	2903.83
7	Balance useful life at the beginning of the period	25.00	24	23	22
8	Remaining depreciable value	2785.08	2729.03	2733.47	2733.47
9	Depreciation (for the period)	109.33	170.08	170.36	170.36
10	Depreciation (annualised)	169.80	170.08	170.36	170.36
11	Cumulative depreciation at the end of the period	109.33	279.41	449.77	620.12
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-
13	Net Cumulative depreciation at the end of the period	109.33	279.41	449.77	620.12

For M/s. Satyanarayana and Associates
 Chartered Accountants

 (CA.V.Satyanarayana)
 Partner
 M.no.204487
 FRN:007663S
 UDIN:21204487AAAAIT7944




 Sanjay and Sanjay
 (Petitioner)
 Chartered Accountants (Firm)
 Chief Financial Officer
 TRANSCO, Medak, Secunderabad,
 Hyderabad - 500 082.

PART-III
FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400KV Khammam - Asupaka LILO Line

Sl. No.	Particulars	2020-21
1	2	4
1	O & M Expenses	6.19
2	Maintenance Spares	11.15
3	Receivables	83.66
4	Total Working Capital	100.99
5	Rate of Interest	13.50%
6	Interest on Working Capital	13.63

For M/s. Satyanarayana and Associates

Chartered Accountants

(CA. V. Satyanarayana)

Partner

M.no.204487

FRN:007663S

UDIN:21204487AAAAIT7944



[Signature]
 Joint Petitioner and Chief
 (Petitioner)
 Joint Petitioner and Chief
 Joint Petitioner and Chief
 Joint Petitioner and Chief
 Hyderabad - 500 029

Name of the Petitioner:	Transmission Corporation of Telangana Limited
Name of the Region:	Telangana
Name of the Project:	
Name of the Transmission Element or Communication System	400KV Khammam - Asupaka LILO Line

Date of Commencement	9-Aug-17
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2021
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	3,226.48
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	3,226.48
Sub-Station Equipments	
PLCC	
Total:	3,226.48
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	2258.53
Equity	967.94
Total :	3226.48
Cumulative amount of depreciation	620.12
Cumulative repayment of loan	620.12
Initial Spares	

UDIN:21204487AAAAIT7944



(Petitioner)

(Petitioner) _____
 _____ of Accounts Associated &
 Chief Financial Officer
 _____ without Sundry,
 Hyderabad - 500 080

Calculation of Weighted Average Rate of Interest on Actual Loans

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 400 KV Khammam-Asupaka LILO Line

(Amount in Rs.Lakh)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21
Loan-1							
Gross loan - Opening		1512.23	1860.58	1914.69	2037.29	2043.93	2043.93
Cumulative repayments of Loans upto previous		0.00	0.00	0.00	191.47	396.56	602.48
Net loan - Opening		1512.23	1860.58	1914.69	1845.82	1647.37	1441.45
Add: Drawal(s) during the Year	1512.23	348.35	54.11	122.60	6.64	0	0
Less: Repayment (s) of Loans during the year				191.47	205.09	205.92	205.92
Net loan - Closing	1512.23	1860.58	1914.69	1845.82	1647.37	1441.45	1235.53
Average Net Loan							
Rate of Interest on Loan on annual basis	11.15%	11.15%	11.15%	11.15%	11.15%	11.15%	11.15%
Interest on loan	168.61	207.45	213.49	216.75	194.73	171.93	149.14
Loan repayment effective from (date to be indicated)							

For M/s. Satyanarayana and Associates
 Chartered Accountants

(CA.V.Satyanarayana)

Partner

M.no.204487

FRN:007663S

UDIN:21204487AAAAIT7944



(Petitioner)
 Director and Chief
 Financial Officer
 TSTRANSCO, V. V. R. Soudam,
 Hyderabad - 500 082.

Certificate

This is to certify that we have verified relevant records and other documents of Transmission Corporation of Telangana Limited having its registered office at 6-3-572, VIDYUT SOUDHA, KHAIRATABAD, HYDERABAD, TELANGANA-500 082 and on the basis of our verification, we certify that the Capital cost of **220KV Dc Line from Jurala- Lower Jurala – Feder I&II** is detailed as under:

(Amount in Lakhs)

S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2011 to 31.03.2012			7.35				7.35	0.77
2	Expenditure from 01.04.2012 to 31.03.2013			702.25				702.25	73.74
3	Expenditure from 01.04.2013 to 31.03.2014			37.47				37.47	3.93
4	Expenditure from 01.04.2014 to 31.03.2015			39.95				39.95	4.19
5	Expenditure from 01.04.2015 to 31.03.2016			66.26				66.26	6.96
6	Expenditure from 01.04.2016 to 31.03.2017			84.10				84.10	8.83
7	Expenditure from 01.04.2017 to 31.03.2018								
	Total			937.38				937.38	98.43

We certify that we have verified expenditure upto 31.03.2021 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2021.

Further IDC has been calculated @10.50% on an average based on the rate of paid on term loans, since the interest during the construction period includes interest on other works under construction in books of accounts.

Place: Hyderabad
Date: 21-12-2021

For M/s. Satyanarayana and Associates,
Chartered Accountants



(CA. V. Satyanarayana)
Partner.
M. NO. 204487
FRN: 007663S
UDIN: 21204487AAAAIU2292

**PART-III
FORM-1**

Summary Sheet

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2018-19
1	2		3
1.1	Depreciation	10A	54.69
1.2	Interest on Loan	9E	59.38
1.3	Return on Equity	8	74.04
1.4	Interest on Working Capital	11	15.45
1.5	O & M Expenses		201.27
	Total		404.82

For M/s.Satyanarayana & Associates,
Chartered Accountants

V S N
(CA.V.Satyanarayana)
partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIU2292



[Signature]
(Petitioner)
Financial Adviser and Chief
Executive Officer (Accounts)
Chief Financial Officer
M.P. Jurala, Jurala Soudha
Jurala - 500015

PART-III
FORM-3

Normative parameters considered for tariff computations

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

Particulars	Unit	2018-19
1	2	3
Base Rate of Return on Equity	%	15.500
Tax Rate	%	30.000
Effective tax rate	%	34.944
Target Availability	%	98.000
Normative O&M per km	Rs. Lakh	1.210
Normative O&M per bay	Rs. Lakh	48.100
Spares for WC as % of O&M	%	15.000
Receivables in Months for WC	Months	2.000
Bank Rate as on 01.04.2018	%	9.98%

For M/s.Satyanarayana & Associates,

Chartered Accountants

(CA.V.Satyanarayana)

partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIU2292



[Signature]
(Petitioner)

Chartered Accountant
 Hyderabad
 M.No.204487
 FRN:007663S
 UDIN:21204487AAAAIU2292

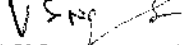
PART-III
FORM-4A

Statement of Capital cost


Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

S.No.	Particulars	2016-17	2017-18	2018-19
A	a) Opening Gross Block Amount as per books	-	937.38	937.38
	b) Amount of capital liabilities in A(a) above			
	c) Amount of IDC included in A(a) above	-	98.43	98.43
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a) above	-	-	-
B	a) Addition in Gross Block Amount during the period	937.38	-	-
	b) Amount of capital liabilities in B(a) above			
	c) Amount of IDC included in B(a) above	98.43	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-
C	a) Closing Gross Block Amount as per books	937.38	937.38	937.38
	b) Amount of capital liabilities in C(a) above			
	c) Amount of IDC included in C(a) above	98.43	98.43	98.43
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-

For M/s.Satyanarayana & Associates,
 Chartered Accountants

 (CA.V.Satyanarayana)
 partner
 M.No.204487
 FRN:007663S
 UDIN:21204487AAAAIU2292




 (Petitioner)

**PART-III
FORM-4B**

Statement of Capital Works in Progress

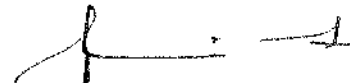
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II
 0

(Amount in Rs.Lakh)

S.No.	Particulars	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
A	a) Opening CWIP amount as per books	-	7.35	709.60	747.08	787.03	853.28	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	-	0.77	74.51	78.44	82.64	89.59	-	-
B	a) Addition/Adjustment in CWIP Amount during the period	7.35	702.25	37.47	39.95	66.26	84.10	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	0.77	73.74	3.93	4.19	6.96	8.83	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year	-			-	-	937.38	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	-		-	-	-	98.43	-	-
D	a) Closing CWIP Amount as per books	7.35	709.60	747.08	787.03	853.28	-	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	0.77	74.51	78.44	82.64	89.59	-	-	-

For M/s.Satyanarayana & Associates,
 Chartered Accountants
 (CA.V.Satyanarayana)
 partner
 M.No.204487
 FRN:007663S
 UDIN:21204487AAA AU2292




 (Petitioner)

PART-III
FORM-6

Financial Package upto COD

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

Particulars	Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
	Currency and Amount		Currency and Amount		Currency and Amount	
1	2	3	4	5	6	7
Loan-I		725.07		725.07		725.07
Loan-II						
Loan-III						
Total Loans		725.07		725.07		725.07
Equity-		310.74		310.74		310.74
Foreign						
Domestic						
Total Equity		310.74		310.74		310.74
Debt : Equity Ratio		70 : 30				
Total Cost		1035.81		1035.81		1035.81
	Debt	Equity	Total			
Capitalization up to COD (i.e., 29.04.2016) for 2016-17	660.01	282.86	942.88			
Add cap for 2016-17	65.05	27.88	92.93			
Add cap for 2017-18	-	-	-			
Add cap for 2018-19	-	-	-			
	725.07	310.74	1035.81			
Add cap for year-1	Actual	Normative				
Debt						
Equity						
Total						
Add cap for year-2	Actual	Normative				
Debt						
Equity						
Total						
Total Capital Cost with add cap.						

For M/s.Satyanarayana & Associates,

Chartered Accountants.

(CA.V.Satyanarayana)

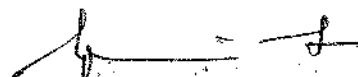
partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIU2292




(Petitioner)

Calculation of Return on Equity

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

Sl. No.	Particulars	2016-17	2017-18	2018-19
1	2	3	4	5
1.1	Equity as on COD/Admitted equity	282.86	310.74	310.74
1.2	Additional Capital made during the year.	27.88	-	-
1.3	Closing Equity	310.74	310.74	310.74
1.4	Average Equity	296.80	310.74	310.74
1.5	Return on Equity(%)	15.50	15.50	15.50
1.6	Tax rate for respective year(%)	34.608	34.608	34.944
1.7	Rate of Return on Equity(%)	23.703	23.703	23.826
1.8	Return on Equity*	64.95	73.66	74.04

For M/s.Satyanarayana & Associates,
Chartered Accountants

(CA.V.Satyanarayana)

partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIU2292



(Petitioner)

Joint Adviser and Chief
 Engineer of Transmission &
 Distribution Division
 TCE & D, Hyderabad
 Hyderabad-500 002


PART-III
FORM-9E

Calculation of Interest on Normative Loan

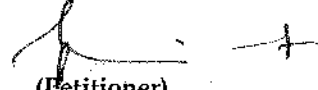
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

Particulars	2016-17	2017-18	2018-19
1	5	4	5
Gross loan - Opening	660.01	725.07	725.07
Cumulative repayment of Normative Loan upto previous year		48.09	102.78
Net Normative loan - Opening	660.01	676.98	622.29
Increase/Decrease due to ACE/de-capitalisation during the year	65.05		
Less: Repayment of Loans during the year	48.09	54.69	54.69
Net Normative loan - Closing	676.98	622.29	567.60
Average Normative Loan	668.50	649.63	594.94
Rate of Interest of actual loans	9.98%	9.98%	9.98%
Interest on Normative loan	66.72	64.83	59.38

For M/s.Satyanarayana & Associates,
 Chartered Accountants

 (CA.V.Satyanarayana)
 partner
 M.No.204487
 FRN:0076635
 UDIN:21204487AAAAIU2292




 (Petitioner)

**PART-III
FORM-10A**

Statement of Depreciation

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

Name of the Transmission Element or
Communication System

220KV DC Line From Jurala-Lower Jurala- Feeder I & II

(Amount in Rs.Lakh)

Sl.No.	Particulars	2016-17	2017-18	2018-19
1	2	6	5	6
1	Opening Capital Cost	942.88	1,035.81	1035.81
2	Closing Capital Cost	1,035.81	1,035.81	1,035.81
3	Average Capital Cost	989.34	1,035.81	1,035.81
4	Freehold land	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%
6	Depreciable value	848.59	932.23	932.23
7	Balance useful life at the beginning of the period	25.00	24.00	23
8	Remaining depreciable value	800.50	829.45	774.76
9	Depreciation (for the period)	48.09	54.69	54.69
10	Depreciation (annualised)	54.30	54.69	54.69
11	Cumulative depreciation at the end of the period	48.09	102.78	157.47
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-
13	Net Cumulative depreciation at the end of the period	48.09	102.78	157.47

For M/s.Satyanarayana & Associates,
Chartered Accountants

(CA.V.Satyanarayana)

partner

M.No.204487

FRN:007663S

UDIN:21204487AAAAIU2292



[Signature]
(Petitioner)

For M/s. Satyanarayana & Associates,
Chartered Accountants,
Hyderabad.
21/04/2019

PART-III
FORM-11

Calculation of Interest on Working Capital

Name of the Petitioner: Transmission Corporation of Telangana Limited
Name of the Region: Telangana
Name of the Project: 220KV DC Line From Jurala-Lower Jurala- Feeder I & II
Name of the Transmission Element or Communication System

Sl. No.	Particulars	2018-19
1	2	3
1	O & M Expenses	16.77
2	Maintenance Spares	30.19
3	Receivables	67.47
4	Total Working Capital	114.43
5	Rate of Interest	13.50%
6	Interest on Working Capital	15.45

For M/s.Satyanarayana & Associates,
Chartered Accountants
(CA.V.Satyanarayana)
partner
M.No.204487
FRN:007663S
UDIN:21204487AAAAIU2292



(Petitioner)
Financial Advisor and Chartered Accountant (ACCA)
and Chartered Engineer
(CE) (Mumbai) (Mumbai)
(Mumbai) (Mumbai)


PART-III
FORM-4

**ABSTRACT OF ADMITTED PARAMETERS FOR THE EXISTING
TRANSMISSION ASSETS**


Name of the Petitioner: Transmission Corporation of Telangana Limited
Name of the Region: Telangana
Name of the Project:
Name of the Transmission Element or Communication System: 220KV DC Line From Jurafa-Lower Jurafa-Feeder I & II

(Amount in lakhs)

Date of Commencement	30-Mar-16
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2019
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	1,035.81
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	1,035.81
Sub-Station Equipments	
PLCC	
Total:	1,035.81
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	725.07
Equity	310.74
Total :	1035.81
Cumulative amount of depreciation	157.47
Cumulative repayment of loan	157.47
Initial Spares	

For M/s.Satyanarayana & Associates,
Chartered Accountants

(CA.V.Satyanarayana)
partner
M.No.204487
FRN:0076635
UDIN:21204487AAAAIU2292




(Petitioner)
Director of Power, Government of Telangana
Capital Finance Division
1ST FLOOR, CIVIL SUPPLY BUILDING
HYD-500 060.

PART-III
FORM-9CCalculation of Weighted Average Rate of Interest on Actual Loans

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: 220 KV DC Line from Jurala- Lower Jurala-Feeder I&II

(Amount in Rs.Lakh)

Particulars	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19
Loan-I								
Gross loan - Opening		5.14	496.71	522.94	550.90	597.28	656.15	656.15
Cumulative repayments of Loans upto previous year		0.00	0.00	0.00	55.09	115.33	182.93	250.53
Net loan - Opening		5.14	496.71	522.94	495.81	481.95	473.22	405.62
Add: Drawal(s) during the Year	5.14	491.57	26.23	27.96	46.38	58.87	0	0
Less: Repayment (s) of Loans during the year	0.00	0.00	0.00	55.09	60.24	67.6	67.6	67.6
Net loan - Closing	5.14	496.71	522.94	495.81	481.95	473.22	405.62	338.02
Average Net Loan								
Rate of Interest on Loan on annual basis	11.15%	11.15%	11.15%	11.15%	11.15%	11.15%	11.15%	11.15%
Interest on loan	0.57	55.38	58.31	58.61	57.38	56.85	49.31	41.77
Loan repayment effective from (date to be indicated)								

For M/s.Satyanarayana & Associates,
Chartered Accountants

V S N
(CA.V.Satyanarayana)

partner
M.No.204487
FRN:007663S

UDIN:21204487AAAAIU2292



[Signature]
(Petitioner) : Arvind Kumar Singh
 Director of Transmission, TSPCL
 Chief Engineer
 TSPCL, 500, Vidyalaya
 Hyderabad - 500 081

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

EXTENSIONS : Extension of 400kV and 220kV supply to Indira Sagar Rudramkota Lift Irrigation Project in Khammam District for a C.M.D. of 229.096 MW – Bulk Load Works - Administrative Approval – Accorded

D.O.O. (CE-Constn./400kV) Ms.No.126

Dated 16-09-2009

Read the following :

PROCEEDINGS :

- 1 The Chief Engineer, Irrigation & CAD (P.W) Department has informed that the Govt. of A.P. sanctioned the Indira Sagar Rudramkota Lift Irrigation Project in Khammam District for facilitating cultivation of 2,00,000 Acres of land in Khammam, Krishna & West Godavari Districts.
- 2 The Chief Engineer, I & CAD department has submitted the transmission scheme for extension of 400kV & 220kV power supply to Indira Sagar Rudramkota Lift Irrigation Project in Khammam district for drawing electrical power of 229.096 MW of connected load of three pumping stages at Medipally, Asupaka and Bandarugudem.
- 3 The Chief Engineer, I & CAD department has requested APTRANSCO, to take up the work of execution of electrical transmission scheme for Indira Sagar Rudramkota Lift Irrigation and informed as follows.
 - a) Land acquisition process for the lands required for substation was already initiated by the Irrigation department,
 - b) Forest clearance process was also initiated by the Irrigation Department for the works located in the forest area,
 - c) The required date of readiness of the transmission scheme is 05/2011.
- 4 After careful consideration, APTRANSCO hereby accords administrative approval for the following transmission scheme for extension of 400kV & 220kV power supply to Indira Sagar Rudramkota Lift Irrigation Project, with total estimated cost of Rs.20,186.65 Lakhs as detailed below.

<u>Name of the Substation</u>	<u>Estimated Cost in Lakh Rs.</u>
a) 400kV Scheme :	
i) 400/220kV Substation at Asupaka - 2 x 315 MVA	10,026.18
ii) LIL0 from one ckt. of Kalapaka (Vizag) - Khammam 400kV D/C line to Asupaka 400/220kV Substation - 17 km	2,106.61
iii) Communication Equipment including OPGW for above 400kV Line	708.46
Total (a) :	12,841.25
b) 220kV Scheme :	
i) Asupaka (400kV S/S) - Medipally 220kV D/C Line - 12.01 km	695.06
ii) Asupaka (400kV S/S) - Bandarugudem 220kV D/C Line - 14.84 km	858.85
iii) Communication Equipment at Medipally, Asupaka & Bandarugudem Substations including OPGW for above 220kV Lines	328.75
iv) Terminal Arrangement with metering at Medipally, Asupaka & Bandarugudem Substations	972.31
Total (b) :	2,854.97
Total (a+b) :	15,696.22
c) Development charges @ Rs.750/- per kVA for 262,500 kVA	1,968.75
Total (a+b+c) :	17,664.97
d) Less cost chargeable to APTRANSCO :	104.22
e) Total (a+b+c-d) :	17,560.75
f) Security Deposit & Service connection charges :	
i) Security Deposit (@ Rs.1000/- per kVA for 2,62,500 kVA)	2,625.00
ii) Service connection charges (Rs.0.30 Lakhs x 3)	0.90
Total (f) :	2,625.90
Total (e+f) :	20,186.65

EXTENSIONS
for a C.M.D. of
T.O.O. (CP)

2

- 5 The approval accorded in para No.4 is subject to instructions issued by APTRANSCO on release services and tariff as may be in force from time to time.
- 6 An amount of Rs.20,186.65 Lakhs (as detailed in para-4) shall be collected towards 400kV & 220kV power supply extension and also the service line charges, development charges, Security Deposit & service connection charges, from the Chief Engineer (Rajiv Sagar, Indira Sagar Lift Irrigation Schemes & Dummugudem-NSP Tail Pond Link Canal), Irrigation & CAD department, Government of Andhra Pradesh, Bhadrachalam.
- 7 The CE/Construction/400kV is hereby authorized to execute the 400kV Line & Substation works and CE/Construction is hereby authorized to take up execution of 220kV Lines & Substations works of the scheme.
- 8 "In exercise of the powers conferred under section 164 of the Electricity Act, 2003 Central Act No.36 of 2003, the Government of Andhra Pradesh vide G.O.Ms.No.115, dated 07-10-2003 conferred upon the Transmission Corporation of Andhra Pradesh Limited, the Transmission & Bulk Supply Licensee in the State of Andhra Pradesh, and the powers for placing of the electric supply lines or electric plant for the transmission of electricity or for the purpose of telephonic or telegraphic communications necessary for the proper co-ordination of works that a telegraphic authority possessed under the provision of the Indian Telegraph Act, 1885 (Central Act-13 of 1885)".
- 9 This order is issued with the concurrence of the Director (Finance & Revenue) vide Regd. No.2667, dated 11-09-2009.

(BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED)

Sd/-

B. UMAKAR RAO

DIRECTOR (Projects & Co-ordination)

To

The Chief Engineer (Construction/400kV), APTRANSCO, Vidyut Soudha, Hyderabad
The Chief Engineer (Construction), APTRANSCO, Vidyut Soudha, Hyderabad

Copy to the :

1. Chief Engineer/Construction/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
2. Chief Engineer/Telecom /APTRANSCO/ Vidyut Soudha/Hyderabad
3. Chief Engineer/Civil/APTRANSCO/ Vidyut Soudha/Hyderabad
4. Chief Engineer/Planning/APTRANSCO/ Vidyut Soudha/Hyderabad
5. Chief Engineer/Power Systems/APTRANSCO/ Vidyut Soudha/Hyderabad
6. Chief Engineer/Grid Operation/APTRANSCO/ Vidyut Soudha/Hyderabad
7. Chief Engineer/Transmission/APTRANSCO/ Vidyut Soudha/Hyderabad — 24/9
8. Chief Engineer/Commercial/APTRANSCO/ Vidyut Soudha/Hyderabad
9. Chief Engineer/TL & SS/APTRANSCO/Warangal
10. FA & CCA (R & A)/ APTRANSCO/ Vidyut Soudha/Hyderabad.
11. FA & CCA (A & E)/ APTRANSCO/ Vidyut Soudha/Hyderabad
12. Superintending Engineer(P&MM)/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
13. Superintending Engineer/PM-I/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
14. Superintending Engineer/PM-II/400kV/APTRANSCO/ VS/Hyderabad
15. Superintending Engineer/400kV L&SS/Field/APTRANSCO/Mint compound/Hyderabad
16. Superintending Engineer/400kV L&SS/APTRANSCO/Vijayawada,
17. P.S. to the Chairman & Managing Director/APTRANSCO/ Vidyut Soudha/ Hyderabad
18. P.S. to the Joint Managing Director (HRD, Commercial, IPC & IT)/VS, Hyd.,
19. P.A. to the Joint Managing Director (Vigilance & Security)/APTRANSCO/ VS/Hyderabad
20. P.A. to the Director (Finance & Revenue)/APTRANSCO/ Vidyut Soudha/Hyderabad
21. P.A. to the Director (Grid Operation)/APTRANSCO/ Vidyut Soudha/Hyderabad
22. DE(T) to the Director (Projects & Co-ordination)/ APTRANSCO/ VS/Hyderabad
23. DE(T) to the Director (Transmission)/APTRANSCO/ Vidyut Soudha/Hyderabad
24. Estate Officer/ APTRANSCO/ Vidyut Soudha/Hyderabad
25. Assistant Secretary/Establishment Section/APTRANSCO/ Vidyut Soudha/Hyderabad.
26. Resident Audit Officer/APTRANSCO/ Vidyut Soudha/Hyderabad — 24/9
27. Central Record Section/ Stock File.

// FORWARDED BY ORDER //

B. Suneel Kumar
Asst. Divisional Engineer

TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

EXTENSIONS : Extension of 400kV and 220kV supply to Indira Sagar Rudramkota Lift Irrigation Project in Khammam District for a C.M.D. of 229.096 MW – Deposit Contribution Works – Administrative Approval – Accorded

T.O.O. (CE-Constr./400kV) Ms.No.127

Dated 16-09-2009

Read the following

PROCEEDINGS :

- 1 The Chief Engineer, Irrigation & CAD (P.W) Department has informed that the Govt. of A.P. sanctioned the Indira Sagar Rudramkota Lift Irrigation Project in Khammam District for facilitating cultivation of 2,00,000 Acres of land in Khammam Krishna & West Godavari Districts.
- 2 The Chief Engineer, I & CAD department has submitted the transmission scheme for extension of 400kV & 220kV power supply to Indira Sagar Rudramkota Lift Irrigation Project in Khammam district for drawing electrical power of 229.096 MW of connected load of three pumping stages at Medipally, Asupaka and Bandarugudem.
- 3 The Chief Engineer, I & CAD department has requested APTRANSCO, to take up the work of execution of electric transmission scheme for Indira Sagar Rudramkota Lift Irrigation Project as follows.
 - a) Land acquisition process for the lands required for substation was already initiated by the Irrigation department,
 - b) Forest clearance process was also initiated by the Irrigation Department for the works located in the forest area,
 - c) The required date of readiness of the transmission scheme is 05/2011.
- 4 The administrative approval is accorded for the transmission scheme - Bulk Load works, for extension of 400kV and 220kV supply to Indira Sagar Rudramkota Lift Irrigation Project in Khammam District for a C.M.D. of 229.096 MW.
- 5 Consequently, after careful consideration, APTRANSCO hereby accords administrative approval for the construction of the following 220/11 kV substations for extension of power supply to Indira Sagar Rudramkota Lift Irrigation Scheme with an estimated cost of Rs 8,827.34 Lakhs as D.C. works.

Name of the Substation	Estimated Cost in Lakh Rs.
a) 220/11 kV Substation at Medipally - 3 x 25 MVA	2,605.38
b) 220/11 kV Substation at Asupaka - 3 x 50 MVA	3,110.98
c) 220/11 kV Substation at Bandarugudem - 3 x 50 MVA	3,110.98
Total :	8,827.34

- 4 The approval accorded in para No.5 is subject to instructions issued by APTRANSCO on release of services and tariff : may be in force from time to time.
- 5 An amount of Rs.8,827.34 Lakhs shall be collected as deposit from the Chief Engineer (Rajiv Sagar, Indira Sagar I Irrigation Schemes & Duminugudem-NSP Tail Pond Link Canal), Irrigation & CAD department, Government of Andhra Pradesh, Bhadrachalam.
- 6 The Chief Engineer/Construction, Vidyut Soudha, Hyderabad is hereby authorized to approve technical sanction and take up the above works.
- 7 "In exercise of the powers conferred under section 164 of the Electricity Act, 2003 Central Act No.36 of 2003, the Government of Andhra Pradesh vide G.O.Ms.No.115, dated 07-10-2003 conferred upon the Transmission Corporation of Andhra Pradesh Limited, the Transmission & Bulk Supply Licensee in the State of Andhra Pradesh, and the power for placing of the electric supply lines or electric plant for the transmission of electricity or for the purpose of telephonic telegraphic communications necessary for the proper co-ordination of works that a telegraphic authority possess under the provision of the Indian Telegraph Act, 1885 (Central Act-13 of 1885)".
- 8 This order is issued with the concurrence of the Director (Finance & Revenue) vide Regd. No.2667, dated 11-09-2009.

(BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED)

Sd/-
B. UMAKAR RAO
DIRECTOR
(PROJECTS & CO-ORDINATION)

To
The Chief Engineer (Construction), APTRANSCO, Vidyut Soudha, Hyderabad

16/9/09
24/9/09

[P.T.O.]

:: 2 ::

Copy to the :

1. Chief Engineer/Construction/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
2. Chief Engineer/Telecom /APTRANSCO/ Vidyut Soudha/Hyderabad
3. Chief Engineer/Civil/APTRANSCO/ Vidyut Soudha/Hyderabad
4. Chief Engineer/Planning/APTRANSCO/ Vidyut Soudha/Hyderabad
5. Chief Engineer/Power Systems/APTRANSCO/ Vidyut Soudha/Hyderabad
6. Chief Engineer/Grid Operation/APTRANSCO/ Vidyut Soudha/Hyderabad
7. Chief Engineer/Transmission/APTRANSCO/ Vidyut Soudha/Hyderabad
8. Chief Engineer/Commercial/APTRANSCO/ Vidyut Soudha/Hyderabad
9. Chief Engineer/TL & SS/APTRANSCO/Waranga
10. FA & CCA (R & A)/ APTRANSCO/ Vidyut Soudha/Hyderabad.
11. FA & CCA (A & E)/ APTRANSCO/ Vidyut Soudha/Hyderabad
12. Superintending Engineer(P&MM)/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
13. Superintending Engineer/PM-I/400kV/APTRANSCO/ Vidyut Soudha/Hyderabad
14. Superintending Engineer/PM-II/400kV/APTRANSCO/ VS/Hyderabad
15. Superintending Engineer/400kV L&SS/Field/APTRANSCO/Mint compound/Hyderabad
16. Superintending Engineer/400kV L&SS/APTRANSCO/Vijayawada,
17. P.S. to the Chairman & Managing Director/APTRANSCO/ Vidyut Soudha/ Hyderabad
18. P.S. to the Joint Managing Director (HRD, Commercial, IPC & IT)/VS, Hyd.,
19. P.A. to the Joint Managing Director (Vigilance & Security)/APTRANSCO/ VS/Hyderabad
20. P.A. to the Director (Finance & Revenue)/APTRANSCO/ Vidyut Soudha/Hyderabad
21. DE(T) to the Director (Projects & Co-ordination)/ APTRANSCO/ VS/Hyderabad
22. DE(T) to the Director (Transmission)/APTRANSCO/ Vidyut Soudha/Hyderabad
23. P.A. to the Director (Grid Operation)/APTRANSCO/ Vidyut Soudha/Hyderabad
24. Estate Officer/ APTRANSCO/ Vidyut Soudha/Hyderabad
25. Assistant Secretary/Establishment Section/APTRANSCO/ Vidyut Soudha/Hyderabad
26. Resident Audit Officer/APTRANSCO/ Vidyut Soudha/Hyderabad
27. Central Record Section/ Stock File.

// FORWARDED BY ORDER //

B. S. Kumar
Asst. Divisional Engineer

B. S. Kumar
Asst. Divisional Engineer

TRANSMISSION CORPORATION OF TELANGANA LIMITED

Sub:- Administrative Approval for Up-gradation of existing 132/33KV SS Aswaraopet to 220/132 KV SS – Accorded.

T.O.O (CE-Transmission) MS.No. 159

Dated: 24.08.2015

1. Administrative approval was accorded for construction of 400/220 kV Sub-Station at Asupaka vide T.O.O.(CE-Const/ 400KV) Ms. No. 126, dt: 16.09.2009 and for construction of 220/132 kV Sub-Stations at Medipally, Asupaka and Bandarugudem vide T.O.O. (CE-Const/400 KV) Ms. No. 127, dt: 16.09.2009 for extension of supply to Indira Sagar Rudramakota lift irrigation project in Khammam District.
2. The works connected with 400KV SS, Asupaka are almost completed and the works connected with the 220 KV sub-stations at Medipally, Asupaka and Bandarugudem are not yet taken up
3. The scheme at Medipally intake pump house is to lift the water to Asupaka pump house and the source of water at Medipally (intake pump) is the back waters of Polavaram project through gravity canal to Medipally. Subsequent to the formation of separate States of Telangana & Andhra Pradesh, the Medipally intake pump house and the gravity canal now fall under the geographical vicinity of Andhra Pradesh, due to which the lift irrigation works at Medipally, Asupaka and at Bandarugudem are stopped. In view of this the 400/220 KV SS Asupaka in Khammam District will be idle as there will be no lift irrigation loads. In order to have immediate and effective utilization of 400/220KV SS Asupaka, and also to provide 9 Hours Agricultural Supply, it is necessary for up-gradation of existing 132/33 kV Sub-Station at Aswaraopet to 220/132/33 kV Aswaraopet.
4. The estimated cost of the proposal for upgradation of existing 132/33 kV to 220/132/33 kV Aswaraopet works out to Rs. 5282.00 Lakhs considering latest purchase order rates for material / equipment with 10% of price escalation as tabulated below :

A B S T R A C T

SNo	Description	Unit	Qty	Unit Rate Rs. Lakhs	Estimated Cost in Rs. Lakhs
1	Erection of 220 kV features at existing 132/33 kV Aswaraopet Sub-Station with 2 X 100 MVA (Released) PTR Capacity.	No.	1	1942.00	1942.00
2	Erection of 220 kV DC line from proposed 400 kV Asupaka SS to the proposed 220 kV Aswaraopet SS	KM	20	77.00	1540.00
3	Erection of 220 kV DC line for making LILO of KTPS - Lower Sileru-I to the proposed 400 kV Asupaka SS	KM	15	77.00	1155.00
4	Stringing of 132 kV 2nd circuit on the existing 132 kV DC/SC line from 132/33 kV Aswaraopet to 132 kV B.Gangaram	KM	30	12.00	360.00
5	Erection of 132 kV Bay Extensions at B.Gangaram.	Nos.	1	92.00	92.00
5	Providing of communication facility	LS	LS	192.52	192.52
Total					5281.52

Or Say Rs. 5282.00 Lakhs

Sub: Erection of i) 220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW) and ii) 220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Jurala line for evacuation of power from Lower Jurala Hydro Electric Project (6x40 MW) – Revised Administrative Approval – Accorded.

T.O.O (CE-Construction-I) Ms. No. 462

Dated: 31.01.2011

APGENCO is taking up the Lower Jurala Hydro Electric Project (6 x 40 MW) which is included in the Capacity Addition Programme of 11th five year plan. The first unit of the project is programmed for commissioning by May 2011 and the balance five units in four months interval there after.

2. The Superintending Engineer/TLC/Hyderabad has resubmitted the proposal for following transmission lines for evacuation of power from Lower Jurala Hydro Electric Project (6 x 40 MW).

- i. 220 kV DC line from Lower Jurala Hydro Electric Project to Priyadarshini Jurala SS (11 KM)
- ii. 220 kV LILO line to Lower Jurala Hydro Electric Project from existing 220 kV Jurala – Veltoor line (5 KM)

3. After careful consideration, APTRANSCO accords revised administrative approval for the above scheme at a total cost of Rs. 1800.00 Lakhs as per the break up indicated below. The earlier Administrative approval which was issued vide TOO No. (CE/Construction), Ms. No. 25 Dt. 19.04.2010 for Rs. 1087.00 Crores stands cancelled.

All Financial figures in Rs. Lakhs

Sl. No	Description	Unit	Qty	Amount in Rs. in Lakhs
1	220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW)	KM	11	842.59
2	One circuit of 220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Priyadarshini Jurala.	KM	5	366.10
3	220 kV Bay at 220 kV Lower Jurala switchyard	Nos.	1	147.00
4	220 kV Bays at 220 kV Upper Jurala substation.	Nos.	2	294.00
5	Communication facilities at 220 kV Upper Jurala SS (Fiber Optical Cable)	No.	1	150.00
	Total cost of works			1799.69

Or Say Rs. 1800.00 Lakhs

4. The scheme will be executed with financial assistance from M/s REC / M/s PFC / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s REC / M/s PFC/other funding agencies.

5. The Chief Engineer / Construction-I is hereby authorized to take up the above works after financial tie-up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No. 189 Dated 17.01.2011.

6. "In exercise of the powers conferred by G.O. Ms. No. 115 dated 07.10.2003 of Government of Andhra Pradesh, APTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the APTRANSCO.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sd/-

DIRECTOR/ TRANSMISSION

To,

The Chief Engineer/Construction-I/Vidyut Soudha/Hyderabad.

Copy to:

The Chairman & Managing Director/APCPDCL.

The Executive Director / Planning, RAC & Reforms/V.S./Hyd

The Chief Engineer/Construction-II/Vidyut Soudha/Hyderabad

The Chief Engineer /Power Systems

The Chief Engineer/EA,O, RE&IT

The Chief Engineer/ Transmission

The Chief Engineer /Lift Irrigation

The Chief Engineer/ Rural Zone/ Hyderabad

The Chief Engineer/Telecom/VS/Hyderabad

FA & CCA (CF)/Vidyut Soudha/Hyderabad

FA & CCA (A&E)/Vidyut Soudha/Hyderabad

The Superintending Engineer/TL&SS/ Nalgonda

The Superintending Engineer/TLC/ Rural/Hyderabad

The Superintending Engineer/Op/APCPDCL/ Nalgonda

The Superintending Engineer/PM-I/Construction-I/VS/Hyd,

The Superintending Engineer/PM-II/Construction-II/VS/Hyderabad

Personal Secretary to the Chairman & Managing Director

Personal Secretary to the Additional Joint Managing Director (Distribution), HRD

Personal Secretary to the Joint Managing Director / Comml, IPC,Reforms,RA&IT

Personal Secretary to the Joint Managing Director/Vigilance & Security,

Personal Secretary to the Director/Finance & Revenue,

DE (T) to Director/Projects

FORWARDED BY ORDER

DE (T) to Director/Grid Operation

DE (T) to Director/Transmission

D4 of SE/PM- I O/o CE/Construction-I

ASSISTANT DIVISIONAL ENGINEER

T.O.O Section.

D:\T.O.O 2010-11\Lower Jurala- Revised T.O.O dt.21.01.2011.doc

Sub: Erection of i) 220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW) and ii) 220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Jurala line for evacuation of power from Lower Jurala Hydro Electric Project (6x40 MW) – Revised Administrative Approval – Accorded.

T.O.O (CE-Construction) Ms. No. 25

Dated: 19.04.2010

APGENCO is taking up the Lower Jurala Hydro Electric Project (6 x 40 MW) which is included in the Capacity Addition Programme of 11th five year plan. The first unit of the project is programmed for commissioning by May 2011 and the balance five units in four months interval there after.

2. The Superintending Engineer/TLC/Hyderabad has proposed the following transmission lines for evacuation of power from Lower Jurala Hydro Electric Project (6 x 40 MW).

- i. 220 kV DC line from Lower Jurala Hydro Electric Project to Priyadarshini Jurala SS (5 KM)
- ii. 220 kV LILO line to Lower Jurala Hydro Electric Project from existing 220 kV Jurala – Veltoor line (3 KM)

3. After careful consideration, APTRANSCO accords revised administrative approval for the above scheme at a total cost of Rs. 1108 Lakhs as per the break up indicated below. The earlier Administrative approval which was issued vide TOO No. (CE/Construction), Ms. No. 199 Dt. 16.12.2009 for Rs. 6.43 Crores stands cancelled.

All Financial figures in Rs. Lakhs

Sl. No	Description	Unit	Qty	Rate Per Unit Rs. in Lakhs	Amount in Rs. in Lakhs
1.	220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW)	KM	5	62.00	310.00
2.	220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Priyadarshini Jurala	KM	3	62.00	186.00
3.	220 kV Bay at 220 kV Lower Jurala switchyard	Nos.	1	147.00	147.00
4.	220 kV Bays at 220 kV Upper Jurala substation	Nos.	2	147.00	294.00
5.	Communication facilities at 220 kV Upper Jurala SS (Fiber Optical Cable)	No	1	150.00	150.00
	Total cost of works				1108.00

Or Say Rs.1108.00 Lakhs

4. The scheme will be executed with financial assistance from M/s REC / M/s PFC / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s REC / M/s PFC/other funding agencies.

5. The Chief Engineer / Construction is hereby authorized to take up the above works after financial tie-up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No.1153 Dated 13.04.2010.

6. "In exercise of the powers conferred by G.O. Ms. No. 115 dated 07.10.2003 of Government of Andhra Pradesh, APTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the APTRANSCO.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

Sd/-
DIRECTOR/ TRANSMISSION

To,
The Chief Engineer/Construction/Vidyut Soudha/Hyderabad.

Copy to:

The Chairman & Managing Director/APCPDCL.

The Chief Engineer /Power Systems

The Chief Engineer /Transmission

The Chief Engineer/Rural Electrification & Operation

The Chief Engineer/Planning

The Chief Engineer/TL&SS/Hyderabad

FA & CCA (R&A)/Vidyut Soudha/Hyderabad

FA & CCA (A&E)/Vidyut Soudha/Hyderabad

The Superintending Engineer/TL&SS/ Mahaboobnagar

The Superintending Engineer/TLC/ Rural /Hyderabad

The Superintending Engineer/Opn/ Mahaboobnagar

The Superintending Engineer/PM-I/Construction/VS/Hyd,

The Superintending Engineer/PM-II/Construction/VS/Hyderabad

Personal Secretary to the Chairman & Managing Director

Personal Secretary to the Joint Managing Director/HRD, Commercial, IPC, Reforms, RA & IT

ADE(T) to Additional Joint Managing Director (Distribution)

Personal Secretary to the Joint Managing Director/Vigilance & Security

Personal Secretary to the Director/Finance & Revenue

DE (T) to Director/Projects, Co – ordination & Grid Operation

PO to Director/Transmission

DE2 of SE/PM-I, O/o CE/Construction

T.O.O Section.

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER

Sub: Erection of i) 220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW) and ii) 220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Jurala line for evacuation of power from Lower Jurala Hydro Electric Project (6x40 MW) – Administrative Approval – Accorded.

T.O.O (CE-Construction) Ms. No. 199

Dated: 16.12.2009

APGENCO is taking up the Lower Jurala Hydro Electric Project (6 x 40 MW) which is included in the Capacity Addition Programme of 11th five year plan. The first unit of the project is programmed for commissioning by May 2011 and the balance five units in four months interval there after.

2. The Superintending Engineer/TLC/Hyderabad has proposed the following transmission lines for evacuation of power from Lower Jurala Hydro Electric Project (6 x 40 MW).

i. 220 kV DC line from Lower Jurala Hydro Electric Project to Priyadarshini Jurala SS (5 KM)

ii. 220 kV LILO line to Lower Jurala Hydro Electric Project from existing 220 kV Jurala – Veltoor line (3 KM)

3. After careful consideration, APTRANSCO accords approval for the above scheme at a total cost of Rs. 643.00 Lakhs as per the break up indicated below:

All Financial figures in Rs. Lakhs

Sl. No	Description	Unit	Qty	Rate Per Unit Rs. in Lakhs	Amount in Rs. in Lakhs
1.	220 kV DC line from 220/132 kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6x40 MW)	KM	5	62.00	310.00
2.	220 kV LILO to Lower Jurala Hydro Electric Project (6x40 MW) from existing 220 kV Veltoor – Priyadarshini Jurala	KM	3	62.00	186.00
3.	220 kV Bay at 220 kV Lower Jurala switchyard	Nos.	1	147.00	147.00
	Total cost of works				643.00

Or Say Rs. 643.00 Lakhs

4. The scheme will be executed with financial assistance from M/s REC / M/s PFC / other funding agencies and with APTRANSCO funding in case full loan is not sanctioned by M/s REC / M/s PFC/other funding agencies.

Contd... Pg. 2

5. The Chief Engineer / Construction is hereby authorized to take up the above works after financial tie-up is completed. This authorization is issued with the concurrence of Director (Finance & Revenue) vide U.O. No.3619 Dated 07.12.2009.

6. "In exercise of the powers conferred by G.O. Ms. No. 115 dated 07.10.2003 of Government of Andhra Pradesh, APTRANSCO or their authorized representatives shall have the powers that the Telegraphic Authority possesses under the provision of the Indian Telegraph Act 1885 (13 of 1885) for placing of any wires, poles, towers etc., for Transmission of electricity or for the purpose of telephonic or telegraphic communication facility necessary for the proper coordination of the works of the APTRANSCO.

BY ORDER AND IN THE NAME OF TRANSMISSION CORPORATION OF ANDHRA PRADESH LIMITED

**Sd/-
DIRECTOR/ TRANSMISSION**

To,
The Chief Engineer/Construction/Vidyut Soudha/Hyderabad.

Copy to:

The Chairman & Managing Director/APCPDCL.
The Chief Engineer /Power Systems
The Chief Engineer /Transmission
The Chief Engineer/Rural Electrification & Operation
The Chief Engineer/Planning
The Chief Engineer/TL&SS/Hyderabad
FA & CCA (R&A)/Vidyut Soudha/Hyderabad
FA & CCA (A&F)/Vidyut Soudha/Hyderabad
The Superintending Engineer/TL&SS/ Mahaboobnagar
The Superintending Engineer/TLC/ Hyderabad
The Superintending Engineer/Opn/ Mahaboobnagar
The Superintending Engineer/Constn/lines/VS/Hyd,
The Superintending Engineer/Constn/Substations/VS/Hyderabad
Personal Secretary to the Chairman & Managing Director
Personal Secretary to the Joint Managing Director/HRD, Commercial, IPC, Reforms, RA & IT
Personal Secretary to the Joint Managing Director/Vigilance & Security
Personal Secretary to the Director/Finance & Revenue
DE (T) to Director/Projects, Co – ordination & Grid Operation
PO to Director/Transmission
DE2/DE3, of SE/PM-I, O/o CE/Construction
DE1/DE2/DE3, of SE/PM-II, O/o CE/Construction
T.O.O Section.

FORWARDED BY ORDER

ASSISTANT DIVISIONAL ENGINEER

ANNEXURE- D

166

यूको बैंक



UCO BANK

सम्मान आपके विश्वास का

Honours your trust

As stated above, the ROI was stipulated at 9% fixed for a period of 3 years in your case with reset clause. In the light of RBI guidelines and our Banks policy the interest rate can not be lower than Base rate which is presently 10%.

We are therefore constrained to revise the interest rate clause as follows.

Existing interest rate clause	Revised interest rate clause
BPLR-3.25%-9.00% per annum fixed for three years to be reckoned from the date of first drawl and interest to be reset every 3 years with a maximum cap of 11.15% during the remaining period of term loan	Base rate (floating) w.e.f 01.06.2011 for the reminder of original 3 years period i.e. up to 23.07.2013 and 1% above the Base rate for the residual tenor of Term loan.

Hence, we would request you to give your consent for revision in interest rate clause as above.

Thanking you

Yours faithfully


MANAGER

CC: FCC, Head Office, Kolkata

CC: FGM Office, Chennai

CC: Zonal Office, Hyderabad.

Bandlaguda Branch, G.S.I. Complex, Near Nagole, Hyderabad -500 068

Phone No: 24222601, Fax 24222301; E-mail ID: ucobank601@bsnl.in

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यूको बैंक



UCO BANK

सम्मान आपके विश्वास का

Honours your trust

Ref.No.GSI/TL/2011-12

Date:01.06.2011

To
The Director Finance
APTRANSCO
Vidyut Soudha
Somajiguda
Hyderabad

Dear Sir,

Sub: Term Loan of Rs.500 crore sanctioned by our Bank

We request your kind attention to our sanction advice dated 30.04.2010 sanctioning a term loan of Rs.500 crore to your corporation for erection of 132/33 KV transmission lines and allied infrastructure at various locations in the State of Andhra Pradesh.

The interest rate was stipulated as follows while sanctioning the term loan by the Bank taking into account the statutory nature of your organization and the activity being undertaken which benefits the energy consumer across the State besides reducing the transmission losses.

" BPLR-3.25%=9.00% per annum fixed for the first three years to be reckoned from the date of first drawl and interest to be reset every 3 years with a maximum cap of 11.15% during the remaining period of term loan. "

In this context we wish to place before you that Reserve Bank of India has constituted a committee to study the existing Benchmark prime lending system (BPLR) and to suggest more transparent system. Accordingly the committee has suggested for introduction of Base rate system which was accepted by RBI and advised all the Banks to introduce the Base rate system.

In this backdrop, our Bank has introduced Base rate system w.e.f 1st July 2010 and advised to switch over to Base rate system with the consent of the borrowers. Further as per the policy, the interest rate should not be below the Base rate except for specified categories like DRI advances, loans to Bank's own employees and loans against the Bank's own deposits.

There fore, our Bank is now left with no option but to revise the interest rates upwards whenever the rate of interest was stipulated below the Base rate.

Bandlaguda Branch, G.S.I. Complex, Near Nagole, Hyderabad -500 068

Phone No: 24222601, Fax 24222301; E-mail ID: ucobank601@bsnl.in

A.9 A/C.P.

(96)

36	Construction of Zonal office building at Kadapa	31 4.05.2009	6.90
37	Construction of Zonal office building at Wamgal & Vijayawada	88 20.07.2009	13.80
38	Erection of 132/33 kV PASS (Hybrid GIS) SS at Peddawalair in Vizag Dist.,	97, 17.06.2010	85.03
39	Enhancement of PTR Capacity at 132kV Nizamabad SS	94, 16.06.2010	2.33
40	Erection of 1No. 132kv Bay at 220kV SS Kalikiri for Gurramkonda feeder and re-routing of 132kV line from 220kV Kalikiri SS to 132kV Gurramkonda SS	101, Dt. 21.06.2010	2.78
41	Providing 33kV features at 132kV SS Vikarabad RTSS in Rangareddy district	107, dt. 23.06.2010	4.47
	Total		707.61

IN WITNESS WHERE OF THE Borrower has hereunto executed these presents the day, month and year first above written.

Note :- In the event of any controversy arising out of Hindi version of this Form, the original English text of it will be treated as authoritative.

Boojul
Senior Accounts Officer (Loans)
APTRANSCO Vidyut Soudha,
Hyderabad-500 082.

THE COMMON SEAL OF
M/s Transmission Corporation of Andhra Pradesh Limited (APTRANSCO)
Has been hereunto affixed pursuant to the
Resolution of the Board of Directors passed
In their meeting held on day of
June 2010..... in the presence of
Mr.
Director of the Company who has set and
Subscribed this signature hereto in token
thereof and who is duly authorized by the
Board for the purpose

[Signature]
Director (Finance)
APTRANSCO, Vidyut Soudha,
HYDERABAD-500.082.

2. cher
Director (Transmission)
A.P.TRANSCO, Vidyut Soudha,
Hyderabad - 500 082.

*Written for common
read.*

[Signature] 26/6/2010.
COMPANY SECRETARY
APTRANSCO, HYDERABAD.

A.9 A/C.P.

200

20	SCADA pending field inputs scheme sanctioned under capital investment plan for the year 2009-10 by APERC under SLDC for providing online data from pending field inputs of feeder/transformers to SLDC under APTRANSCO EHT SS having RTUs.	272, dt. 18.02.10	2.00
21	Erection of 132/33kV SS at Ailipamula(V), Nakrekal, Kattangur (M) Nalgonda (Dist.) Revised	37 dt. 28.04.2010	12.95
22	Erection of 132/33kV SS at Tirumala	283, dt. 06.03.2010	4.64
23	Erection of 220/132kV SS at Manthani along with connected EHT Lines	304, dt. 30.03.2010	49.66
24	Erection of 132/33kV SS at Somala in Chittoor dist., along with connected Lines	294, 26.03.2010	10.75
25	Erection of 220/132/33kv ss at Fab City in Ranga Reddy Distr.,	40, dt. 29.04.2010	29.84
26	Erection of LILO of both Ckt-I&II of 132kV Makthal - Gadwal line for the proposed 220kV SS at Jurala	27, dt. 21.04.2010	4.82
27	Erection of 132/33 kV SS at LGM Pet(V), Shameerpet(M) in Ranga Reddy Dist., along with connecting 132/33kV Lines	51, Dt. 05.05.2010	14.79
28	Erection of 132/33kV SS at Narsipatnam in Vizag dist., along with connecting 132/33kV lines	61, Dt. 14.05.2010	20.27
29	Renovations & Modernization Scheme (FY.2010-11)	72, Dt. 22.05.2010	50.00
30	Augmentation of Transformers Capacity from 2X16 to 2X31.5 MVA at 132/33kV Habsipur	191, 07.12.2009	4.70
31	Providing 33kV features at existing 132kV Switching Station in the premises of M/s. Shravana Power Projects Ltd., at Takkalapalli(V), Yacharam(M) in RR Dist.	71, Dt. 21.05.2010	3.92
32	132 kV DC line from 132 kV Bhimavaram to Tapping point of 132 kV LILO from Bhimavaram - Tanuku line to 220 kV Bhimavaram SS.	44, Dt. 30.05.2008	1.69
33	Augmentation of 160 MVA PTR in place of 100 MVA PTR in 220 kV Bhoothpur SS.	64, Dt. 18.05.2010	4.83
34	Erection of 2nd 100 MVA PTR at 220 kV Shamshabad SS	298, Dt. 27.03.2010	4.42
35	Erection of 132 kV Bus of M/s. Enercon (India) Ltd., and Erection of 132/33 kV SS at Ankireddypally. Ankireddypally	133, Dt. 5.10.2009	4.97

Chandrababu
 Senior Accounts Officer (Loans)
 APTRANSCO Vidyut Soudha,
 Hyderabad-500 082.

A.9 A/C.P.



5	Erection of 132/33kV SS at Jadcherla Growth Centre in Mahaboobnagar district along with connected 132/33kV lines	263, Dt. 11.02.2009	19.41
6	Erection of 132/33kV SS at Khanapur in Adilabad district along with connected 132/33kV lines	277, Dt. 26.02.2009	17.62
7	Enhancement of Power Transformer Capacity at 220/132/33kv Chittoor Ss	284, Dt. 07.03.2009	4.55
8	Erection of 132/33kV SS at Mudigedu (Koilkuntla) in Kurnool district along with connected lines.	17, Dt. 19.04.2008	14.39
9	Erection of 132/33kV SS at Duvvur in Kadapa district along with connected lines	37, Dt. 19.05.2008	16.40
10	Erection of 132/33 KV SS at Autonagar along with connected lines	305, Dt. 02.02.2007	9.72
11	Providing alternate supply to 132/33kV SS at Saggonda Revised administrative approval	63, Dt. 11.06.2009	8.19
12	Augmetation of Tranformer capacities at 29Nos. EHT SS	50, Dt. 23.05.2009	106.91
13	Erection of i) 132kV LILO to 220kV Kamareddy SS from existing 132kV DC/SC line from Kamareddy to Domakonda and ii) 132Kv Interlinking line from 220kV Kamareddy SS to 132kV Kamareddy	68 Dt. 04.07.2007	8.50
14	Augmentation of Transformer Capacities at 23Nos. EHT SS -	131 01.10.2009	66.78
15	Erection of 132/33kV SS at Thallada in Khammam dist., along with connected 132kV & 33kV lines	204 dt. 18.12.2009	23.46
16	Erection of i) 220kV DC line from 220/132kV SS at Upper Jurala to Lower Jurala Hydro Electric Project (6X40MW) ii) 220kV LILO to Lower Jurala Hydro Electric Project (6X40MW) from existing 220kV Velloor - Jurala line for evacuation of power from Lower Jurala Hydro Electric Project (6X40MW).	25, dt. 19.04.2010	11.08
17	Erection of 33kV features at Pulivendula 220/132kV SS	214, dt. 31.12.2009	3.98
18	Erection of 2nd circuit stringing on existing 132kV Narasaraopeta-Chilakaluripeta DC/SC line	213 dt. 26.12.2009	4.68
19	Enhancement of Power Transformer Capacities at 132/33kV SS at Naidupeta (Nellore Dist.,)	265 dt. 08.02.2010	1.84

B. Srinivas
 Senior Accounts Officer (Loans)
 APTRANSCO Vidyut Soudha,
 Hyderabad-500 082.

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plant & machinery, stocks of raw materials and finished goods and the rents, issues and profits thereof and the Borrower doth hereby consent to such appointment of Receiver and Manager.

(r) The Bank shall neither be bound to exercise any of the powers under these presents or by law exercisable by the Bank nor to take steps to enforce the security at any time and shall not be liable for any loss arising for the non-exercise of any of such powers.

(s) The Borrower hereby irrevocably appoints, with power of delegation the Bank and its Officer/s nominated by the Bank in this behalf and the Receiver or Receivers to be appointed under these presents to be its Attorney and in the name and on behalf of the Borrower to execute and do all such acts, deeds and things as such attorney shall think fit for perfecting, maintaining and enforcing the security hereby created and for executing any deeds, assurances, transfer regarding the hypothecated movable plant & machinery, stocks of raw materials and finished goods in case of sale and for performing all obligations of the Borrower hereunder in the event of any breach by the Borrower with power to represent the Borrower before any Court or other authority in connection with these presents or the security thereof generally to use the name of the Borrower in exercise of all or any of the powers by these presents conferred on the Bank and any Receiver appointed by it.

(t) This security shall not be prejudiced by any other security or guarantee or indemnity now held or hereafter to be held by the Bank or any money hereby secured or by any release, exchange or variation of such security.

THE SCHEDULE ABOVE REFERRED TO :

(a) Particulars of plant & machinery

First and exclusive charge by way of hypothecation over the Borrower's specified fixed assets as under:

Schemes tied up with UCO Bank			
Sl.No	Name of the Work	T.O.O.Ms.No & Date	Amounts (Rs. in Crores)
1	Erection of 132/33kV SS at Lingala in Kadapa District along with connected 132kV & 33kV lines	9, Dt. 08.04.2010	11.12
2	Erection of 132/33kV SS at Tanguturu in Prakasham District along with connected 132/33kV lines	121, Dt. 05.09.2008	7.95
3	Erection of 132/33kV SS at Tanakallu in Anantapur District along with connected 132/33kV Lines	103, Dt. 18.08.2008	15.92
4	Erection of 132/33kV SS at Amarachinta in Mahaboobnagar district along with connected 132/33kV lines	261, Dt. 09.02.2009	15.55

Senior Accounts Officer (Loans)
APTRANSCO Vidyut Soudha,
Hyderabad-500 082.

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-I :

(Rs. In lakhs)

220 KV Tandur - Yeddumailaram		
COD:	15.08.2002	2003
Rationalised cost of 400kv line (Rs. lakh per ckt km)	34	
Transmission Line length in ckt km	90.5	
No. of bays	2	
Multiplication Factor	0.36	
Life in years	25	
Voltage kv	220	
Particulars		2016-17
Gross Block		1107.72
Addition during FY 2016-17		-
Gross Block Total		1107.72
Average Gross Block		1107.72
Depreciation		
Rate of depreciation		2.05%
Depreciable value	90%	996.95
Elapsed life as on 31.03.2016		13.00
Balance useful life of the asset		12.00
Remaining depreciable value		249.68
Cumulative Depreciation		747.27
Depreciation		22.71
Interest on loan		
Gross Normative Loan		775.40
Cumulative repayment upto previous year		724.56
Net loan - opening		50.84
Addition due to additional capitalisation		0.00
Repayment during the year		22.71
Net loan - closing		28.14
Average Loan		39.49
Weighted average rate of interest on loan (%)		9.98%
Interest		3.94
Return on Equity		
Gross Notional Equity		332.32
Opening Equity		332.32
Average Equity		332.32
Rate of Return on Equity		23.70%
Return on Equity		78.77
Interest on Working Capital		
Maintenance Spares	15% of O&M	19.39
O&M Expenses		10.77
Receivables		40.71
Total		70.87
Interest on Working Capital	13.50%	9.57
Annual Transmission Charges		
Depreciation		22.71
Interest on Loan		3.94
Return on Equity		78.77
Interest on Working Capital		9.57
O&M Expenses		129.26
Total		244.24
Norms for O&M per bay	220KV	45.08
Norms for O&M per km	S/C	0.432

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-II :

(Rs. In lakhs)

220 KV Jurala- Lower Jurala -3		
COD:	10/12/2013	2014
Rationalised cost of 400kv line (Rs. lakh per ckt km)	94.67	
Transmission Line length in ckt km	11	
No. of bays	2	
Multiplication Factor	0.36	
Life in years	25	
Voltage kv	220	
Particulars		2018-19
Gross Block		374.89
Addition during FY 2018-19		-
Gross Block Total		374.89
Average Gross Block		374.89
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	337.40
Elapsed life as on 31.03.2018		4.00
Balance useful life of the asset		21.00
Remaining depreciable value		238.43
Cumulative Depreciation		98.97
Depreciation		19.79
Interest on loan		
Gross Normative Loan		262.43
Cumulative repayment upto previous year		79.18
Net loan - opening		183.25
Addition due to additional capitalisation		0.00
Repayment during the year		19.79
Net loan - closing		163.45
Average Loan		173.35
Weighted average rate of interest on loan (%)		9.98%
Interest		17.30
Return on Equity		
Gross Notional Equity		112.47
Opening Equity		112.47
Average Equity		112.47
Rate of Return on Equity		23.83%
Return on Equity		26.80
Interest on Working Capital		
Maintenance Spares	15% of O&M	15.19
O&M Expenses		8.44
Receivables		28.70
Total		52.33
Interest on Working Capital	13.50%	7.07
Annual Transmission Charges		
Depreciation		19.79
Interest on Loan		17.30
Return on Equity		26.80
Interest on Working Capital		7.07
O&M Expenses		101.27
Total		172.23
Norms for O&M per bay	220KV	48.10
Norms for O&M per km	S/C	0.461

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-III :

(Rs. In lakhs)

220 KV Tandur - Shankarapally		
COD:	14.03.2014	2014
Rationalised cost of 400kv line (Rs. lakh per ckt km)	94.67	
Transmission Line length in ckt km	83	
No. of bays	2	
Multiplication Factor	0.36	
Life in years	25	
Voltage kv	220	
Particulars		2018-19
Gross Block		2828.74
Addition during FY 2018-19		-
Gross Block Total		2828.74
Average Gross Block		2828.74
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	2545.87
Elapsed life as on 31.03.2018		4.00
Balance useful life of the asset		21.00
Remaining depreciable value		1799.08
Cumulative Depreciation		746.79
Depreciation		149.36
Interest on loan		
Gross Normative Loan		1980.12
Cumulative repayment upto previous year		597.43
Net loan - opening		1382.69
Addition due to additional capitalisation		0.00
Repayment during the year		149.36
Net loan - closing		1233.33
Average Loan		1308.01
Weighted average rate of interest on loan (%)		9.98%
Interest		130.54
Return on Equity		
Gross Notional Equity		848.62
Opening Equity		848.62
Average Equity		848.62
Rate of Return on Equity		23.826%
Return on Equity		202.19
Interest on Working Capital		
Maintenance Spares	15% of O&M	20.17
O&M Expenses		11.21
Receivables		105.85
Total		137.22
Interest on Working Capital	13.50%	18.52
Annual Transmission Charges		
Depreciation		149.36
Interest on Loan		130.54
Return on Equity		202.19
Interest on Working Capital		18.52
O&M Expenses		134.46
Total		635.07
Norms for O&M per bay	220KV	48.10
Norms for O&M per km	S/C	0.461

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-IV :

(Rs. In lakhs)

220 KV Veltor - Jurala		
COD:	14.03.2008	2008
Rationalised cost of 400kv line (Rs. lakh per ckt km)	47.04	
Transmission Line length in ckt km	31.5	
No. of bays	2	
Multiplication Factor	0.36	
Life in years	25	
Voltage kv	220	
Particulars		2018-19
Gross Block		533.43
Addition during FY 2018-19		-
Gross Block Total		533.43
Average Gross Block		533.43
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	480.09
Elapsed life as on 31.03.2018		10.00
Balance useful life of the asset		15.00
Remaining depreciable value		170.27
Cumulative Depreciation		309.82
Depreciation		28.17
Interest on loan		
Gross Normative Loan		373.40
Cumulative repayment upto previous year		281.65
Net loan - opening		91.75
Addition due to additional capitalisation		0.00
Repayment during the year		28.17
Net loan - closing		63.59
Average Loan		77.67
Weighted average rate of interest on loan (%)		9.98%
Interest		7.75
Return on Equity		
Gross Notional Equity		160.03
Opening Equity		160.03
Average Equity		160.03
Rate of Return on Equity		23.83%
Return on Equity		38.13
Interest on Working Capital		
Maintenance Spares	15% of O&M	16.61
O&M Expenses		9.23
Receivables		32.10
Total		57.93
Interest on Working Capital	13.50%	7.82
Annual Transmission Charges		
Depreciation		28.17
Interest on Loan		7.75
Return on Equity		38.13
Interest on Working Capital		7.82
O&M Expenses		110.72
Total		192.59
Norms for O&M per bay	220KV	48.10
Norms for O&M per km	S/C	0.461

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-V :

(Rs. In lakhs)

220 KV Veltor - Lower Jurala		
COD:	10/12/2013	2014
Rationalised cost of 400kv line (Rs. lakh per ckt km)	94.67	
Transmission Line length in ckt km	28.1	
No. of bays	2	
Multiplication Factor	0.36	
Life in years	25	
Voltage kv	220	
Particulars		2018-19
Gross Block		957.68
Addition during FY 2018-19		-
Gross Block Total		957.68
Average Gross Block		957.68
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	861.91
Elapsed life as on 31.03.2018		4.00
Balance useful life of the asset		21.00
Remaining depreciable value		609.09
Cumulative Depreciation		252.83
Depreciation		50.57
Interest on loan		
Gross Normative Loan		670.38
Cumulative repayment upto previous year		202.26
Net loan - opening		468.11
Addition due to additional capitalisation		0.00
Repayment during the year		50.57
Net loan - closing		417.55
Average Loan		442.83
Weighted average rate of interest on loan (%)		9.98%
Interest		44.19
Return on Equity		
Gross Notional Equity		287.30
Opening Equity		287.30
Average Equity		287.30
Rate of Return on Equity		23.83%
Return on Equity		68.45
Interest on Working Capital		
Maintenance Spares	15% of O&M	16.37
O&M Expenses		9.10
Receivables		47.03
Total		72.50
Interest on Working Capital	13.50%	9.79
Annual Transmission Charges		
Depreciation		50.57
Interest on Loan		44.19
Return on Equity		68.45
Interest on Working Capital		9.79
O&M Expenses		109.15
Total		282.15
Norms for O&M per bay	220KV	48.10
Norms for O&M per km	S/C	0.461

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-VI :

(Rs. In lakhs)

132 KV Wanaparthy - Chinnamaroor		
COD:	31.07.2004	2005
Rationalised cost of 400kv line (Rs. lakh per ckt km)	27.02	
Transmission Line length in ckt km	49.38	
No. of bays	2	
Multiplication Factor	0.31	
Life in years	25	
Voltage kv	132	
Particulars		2020-21
Gross Block		413.62
Addition during FY 2020-21		-
Gross Block Total		413.62
Average Gross Block		413.62
Depreciation		
Rate of depreciation		2.05%
Depreciable value	90%	372.26
Elapsed life as on 31.03.2020		15.00
Balance useful life of the asset		10.00
Remaining depreciable value		76.27
Cumulative Depreciation		295.98
Depreciation		8.48
Interest on loan		
Gross Normative Loan		289.53
Cumulative repayment upto previous year		287.51
Net loan - opening		2.03
Addition due to additional capitalisation		0.00
Repayment during the year		2.03
Net loan - closing		0.00
Average Loan		1.01
Weighted average rate of interest on loan (%)		11.00%
Interest		0.11
Return on Equity		
Gross Notional Equity		124.09
Opening Equity		124.09
Average Equity		124.09
Rate of Return on Equity		23.83%
Return on Equity		29.56
Interest on Working Capital		
Maintenance Spares	15% of O&M	6.92
O&M Expenses		3.84
Receivables		10.75
Total		21.51
Interest on Working Capital	13.50%	2.90
Annual Transmission Charges		
Depreciation		8.48
Interest on Loan		0.11
Return on Equity		29.56
Interest on Working Capital		2.90
O&M Expenses		46.12
Total		87.18
Norms for O&M per bay	132KV	16.64
Norms for O&M per km	S/C	0.260

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-VII :

(Rs. In lakhs)

132 KV Alampur- Chinnamaroor		
COD:	31.07.2004	2005
Rationalised cost of 400kv line (Rs. lakh per ckt km)	27.02	
Transmission Line length in ckt km	72.88	
No. of bays	2	
Multiplication Factor	0.31	
Life in years	25	
Voltage kv	132	
Particulars		2020-21
Gross Block		610.46
Addition during FY 2020-21		-
Gross Block Total		610.46
Average Gross Block		610.46
Depreciation		
Rate of depreciation		2.05%
Depreciable value	90%	549.41
Elapsed life as on 31.03.2020		15.00
Balance useful life of the asset		10.00
Remaining depreciable value		112.57
Cumulative Depreciation		436.84
Depreciation		12.51
Interest on loan		
Gross Normative Loan		427.32
Cumulative repayment upto previous year		424.33
Net loan - opening		2.99
Addition due to additional capitalisation		0.00
Repayment during the year		2.99
Net loan - closing		0.00
Average Loan		1.50
Weighted average rate of interest on loan (%)		11.00%
Interest		0.16
Return on Equity		
Gross Notional Equity		183.14
Opening Equity		183.14
Average Equity		183.14
Rate of Return on Equity		23.83%
Return on Equity		43.63
Interest on Working Capital		
Maintenance Spares	15% of O&M	7.83
O&M Expenses		4.35
Receivables		13.81
Total		26.00
Interest on Working Capital	13.50%	3.51
Annual Transmission Charges		
Depreciation		12.51
Interest on Loan		0.16
Return on Equity		43.63
Interest on Working Capital		3.51
O&M Expenses		52.23
Total		112.05
Norms for O&M per bay	132KV	16.64
Norms for O&M per km	S/C	0.260

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-VIII :

(Rs. In lakhs)

132 KV Ganeshpahad - Wadapalli Feeder-I		
COD:	08.07.2002	2003
Rationalised cost of 400kv line (Rs. lakh per ckt km)	34	
Transmission Line length in ckt km	2.5	
No. of bays	2	
Multiplication Factor	0.43	
Life in years	25	
Voltage kv	132	
Particulars		2020-21
Gross Block		36.55
Addition during FY 2020-21		-
Gross Block Total		36.55
Average Gross Block		36.55
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	32.90
Elapsed life as on 31.03.2020		17.00
Balance useful life of the asset		8.00
Remaining depreciable value		5.24
Cumulative Depreciation		27.65
Depreciation		0.75
Interest on loan		
Gross Normative Loan		25.59
Cumulative repayment upto previous year		25.59
Net loan - opening		0.00
Addition due to additional capitalisation		0.00
Repayment during the year		0.00
Net loan - closing		0.00
Average Loan		0.00
Weighted average rate of interest on loan (%)		11.00%
Interest		0.00
Return on Equity		
Gross Notional Equity		10.97
Opening Equity		10.97
Average Equity		10.97
Rate of Return on Equity		23.83%
Return on Equity		2.61
Interest on Working Capital		
Maintenance Spares	15% of O&M	5.14
O&M Expenses		2.85
Receivables		4.85
Total		12.85
Interest on Working Capital	13.50%	1.73
Annual Transmission Charges		
Depreciation		0.75
Interest on Loan		0.00
Return on Equity		2.61
Interest on Working Capital		1.73
O&M Expenses		34.26
Total		39.35
Norms for O&M per bay	132KV	16.64
Norms for O&M per km	D/C	0.391

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-IX :

(Rs. In lakhs)

132 KV Ganeshpahad - Wadapalli Feeder-II		
COD:	25.04.2011	2012
Rationalised cost of 400kv line (Rs. lakh per ckt km)	65.67	
Transmission Line length in ckt km	2.5	
No. of bays	2	
Multiplication Factor	0.43	
Life in years	25	
Voltage kv	132	
Particulars		2020-21
Gross Block		70.60
Addition during FY 2020-21		-
Gross Block Total		70.60
Average Gross Block		70.60
Depreciation		
Rate of depreciation		5.28%
Depreciable value	90%	63.54
Elapsed life as on 31.03.2020		8.00
Balance useful life of the asset		17.00
Remaining depreciable value		29.99
Cumulative Depreciation		33.55
Depreciation		3.73
Interest on loan		
Gross Normative Loan		49.42
Cumulative repayment upto previous year		29.82
Net loan - opening		19.60
Addition due to additional capitalisation		0.00
Repayment during the year		3.73
Net loan - closing		15.87
Average Loan		17.73
Weighted average rate of interest on loan (%)		11.00%
Interest		1.95
Return on Equity		
Gross Notional Equity		21.18
Opening Equity		21.18
Average Equity		21.18
Rate of Return on Equity		23.83%
Return on Equity		5.05
Interest on Working Capital		
Maintenance Spares	15% of O&M	5.14
O&M Expenses		2.85
Receivables		5.77
Total		13.77
Interest on Working Capital	13.50%	1.86
Annual Transmission Charges		
Depreciation		3.73
Interest on Loan		1.95
Return on Equity		5.05
Interest on Working Capital		1.86
O&M Expenses		34.26
Total		46.84
Norms for O&M per bay	132KV	16.64
Norms for O&M per km	D/C	0.391

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-X :

(Rs. In lakhs)

400KV Line from Khammam - Asupaka (Original)		
COD:	10.05.2002	2003
Rationalised cost of 400kv line (Rs. lakh per ckt km)	34	
Transmission Line length in ckt km	114	
No. of bays	0	
Multiplication Factor	1	
Life in years	25	
Voltage kv	400	
Particulars		2020-21
Gross Block		3876.00
Addition during FY 2020-21		-
Gross Block Total		3876.00
Average Gross Block		3876.00
Depreciation		
Rate of depreciation		2.05%
Depreciable value	90%	3488.40
Elapsed life as on 31.03.2020		17.00
Balance useful life of the asset		8.00
Remaining depreciable value		555.82
Cumulative Depreciation		2932.58
Depreciation		79.46
Interest on loan		
Gross Normative Loan		2713.20
Cumulative repayment upto previous year		2713.20
Net loan - opening		0.00
Addition due to additional capitalisation		0.00
Repayment during the year		0.00
Net loan - closing		0.00
Average Loan		0.00
Weighted average rate of interest on loan (%)		11.00%
Interest		0.00
Return on Equity		
Gross Notional Equity		1162.80
Opening Equity		1162.80
Average Equity		1162.80
Rate of Return on Equity		23.83%
Return on Equity		277.04
Interest on Working Capital		
Maintenance Spares	15% of O&M	8.91
O&M Expenses		4.95
Receivables		52.38
Total		66.24
Interest on Working Capital	13.50%	8.94
Annual Transmission Charges		
Depreciation		79.46
Interest on Loan		0.00
Return on Equity		277.04
Interest on Working Capital		8.94
O&M Expenses		59.39
Total		424.84
Norms for O&M per bay	400KV	33.28
Norms for O&M per km	S/C	0.521

**BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION
AT NEW DELHI**

PETITION NO. _____/TT/2022

IN THE MATTER OF:

Transmission Corporation of Telangana Limited,
Vidyut Soudha, Khairatabad,
Hyderabad, Telangana-500082

... Petitioner

VAKALATNAMA

I, A. Vivekanand, working as Chief Engineer (Comml. & RAC) in Transmission Corporation of Telangana Limited i.e., the Petitioner in the above Petition do hereby appoint and retain Mr. Anand K Ganesan, Mrs. Swapna Seshadri, Ms. Harsha Manav of MSA Partners, Advocates to appear, plead and act for me/us in the above petition/application and to conduct and prosecute all proceedings that may be taken in respect thereof and applications for return of documents, enter into compromise and to draw any moneys payable to me/us in the said proceeding.

Place: New Delhi

Harsha Manav
01/04/15

Date:

Executed in my presence.

*Signature with date

(Name and Designation)

Address for service on the Counsel for
Petitioner)

D-246, Defense Colony,

New Delhi - 110013

Phone: 011-41403716

9810941482 / 9818735544

A. Vivekanand

Signature of the Party
Chief Engineer/Comml & RAC
TSTRANSCO, Vidyut Soudha,
Hyderabad - 500 082.

"Accepted"

*Signature with date

(Name and Designation)

Anand K Ganesan

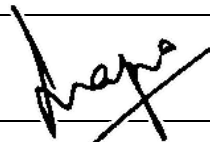
Swapna Seshadri

Particulars

1. Name of the Petitioner/Applicant	Transmission Corporation of Telangana Limited	
2. Address of the Petitioner/Applicant	Vidyut Soudha, Khairatabad, Hyderabad, Telangana-500082	
3. Subject Matter	Petition for determination of tariff of the Intra-State Transmission Lines of the TSTRANSCO-owned transmission lines/system certified by the SRPC as non-ISTS lines carrying more than 50% Inter-State power, for inclusion in POC Transmission charges for the FY 2016-17, FY 2018-19 and FY 2020-21 in accordance with CERC (Terms and Conditions of Tariff) Regulations, 2014, CERC (Terms and Conditions of Tariff) Regulations, 2019 and CERC (Sharing of Inter State Transmission Charges and Losses) Regulations, 2020	
4. Petition No., if any	P. No. ____/TT/2022	
5. Details of generation assets (a) generating station/units (b) Capacity in MW (c) Date of commercial operation (d) Period for which fee paid (e) Amount of fee paid (f) Surcharge, if any		
6. Details of transmission assets (a) Transmission line and sub-stations (b) Date of commercial operation (c) Period for which fee paid (d) Amount of fee paid (g) Surcharge, if any		
7. Fee paid for Adoption of tariff for (a) Generation asset (b) Transmission asset		
8. Application fee for licence (a) Trading licence (b) Transmission licence (c) Period for which paid (d) Amount of fee paid		
9. Fees paid for Miscellaneous Application		
10. Fees paid for Interlocutory Application		
11. Fee paid for Regulatory Compliance petition		
12. Fee paid for Review Application		
13. Licence fee for inter-State Trading (a) Category (b) Period (c) Amount of fee paid (d) Surcharge, if any		
14. Licence fee for inter-State Transmission (a) Expected/Actual transmission charge (b) Period (c) Amount of fee calculated as a percentage of transmission charge. (d) Surcharge, if any		YES
15. Annual Registration Charge for Power Exchange (a) Period (b) Amount of turnover (c) Fee paid (d) Surcharge, if any		
16. Details of fee remitted (a) UTR No. (b) Date of remittance (c) Amount remitted	E-PayOrder Number - CHJ7161975 & CH9636963 Amount Rs. 3,65,300 + 73000 = 4, 38,300 Date: 20.06.2022 & 19.07.2022	

Note: While Sl. Nos. 1 to 3 and 16 are compulsory, the rest may be filled up as applicable

Signature of the authorized signatory with date



20.07.2022

MSA PARTNERS
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