

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

PETITION NO. /TT/2024

IN THE MATTER OF:

Petition under section 79(1)(C) and (D) of the Electricity Act, 2003 for the determination of Tariff / Annual Transmission Charges of 41 nos. of inter-state transmission lines / system connecting two states (40 ISTS lines between Telangana and Andhra Pradesh and 1 ISTS line between Telangana and Karnataka) for the transmission lines / system owned by the TG TRANSCO for the period FY: 2024-25 to FY:2028-29 as per this Hon'ble Commission's order dated 05.09.2018 passed in Petition no. 07/Suo-motu/2017 and order dated 13.01.2020 passed in petition no. 02/TT/2019 read with order dated 01.01.2024 passed in petition no. 325/TT/2022 read with order dated 02.08.2024 passed in petition no. 127/TT/2022 for inclusion in PoC transmission charges in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2024.

IN THE MATTER OF:

Transmission Corporation of
Telangana Limited (TGTRANSCO)

...Petitioner

Versus

Transmission Corporation of Andhra
Pradesh Limited (APTRANSCO) & Anr.

...Respondents

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Date: 30.11.2024

BEFORE THE CENTRAL ELECTRICITY REGULATORY
COMMISSION, NEW DELHI

PETITION NO. /TT/2024

IN THE MATTER OF:

Transmission Corporation of
Telangana Limited (TGTRANSCO)

Petitioner

Through Authorized Representative
Chief Engineer/Commercial & RAC,
TGTRANSCO,
Office at Room No. 149, A Block, Vidyut Soudha,
Khairatabad, Hyderabad, Telangana-500082
Email: office.abhinavrao@gmail.com

Versus

1. Transmission Corporation of Andhra Pradesh
Limited (APTRANSCO) Respondent
No. 1
Through Authorized Representative
Vidyut Soudha, Gunadala, Eluru Road,
Vijayawada, Andhra Pradesh – 520004.
2. Karnataka Power Transmission Corporation
Limited (KPTCL) Respondent
No. 2
Through Authorized Representative
Kaveri Bhavan, Kempegowda Road,
Bangalore-560009, Karnataka.


Chief Engineer / Comm. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

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Loat
Chief Engineer / Comml. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

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

PETITION NO. /TT/2024

IN THE MATTER OF:

Petition under section 79(1)(C) and (D) of the Electricity Act, 2003 for the determination of Tariff / Annual Transmission Charges of 41 nos. of inter-state transmission lines / system connecting two states (40 ISTS lines between Telangana and Andhra Pradesh and 1 ISTS line between Telangana and Karnataka) for the transmission lines / system owned by the TG TRANSCO for the period FY: 2024-25 to FY:2028-29 as per this Hon'ble Commission's order dated 05.09.2018 passed in Petition no. 07/Suo-motu/2017 and order dated 13.01.2020 passed in petition no. 02/TT/2019 read with order dated 01.01.2024 passed in petition no. 325/TT/2022 read with order dated 02.08.2024 passed in petition no. 127/TT/2022 for inclusion in PoC transmission charges in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2024.

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Telangana Limited (TGTRANSCO)

...Petitioner

Versus

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Pradesh Limited (APTRANSCO) & Anr.

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MOST RESPECTFULLY SHOWETH:

1. The present petition is being preferred by the Transmission Corporation of Telangana Limited ("TGTransco"), the transmission licensee of the State of Telangana. The Petitioner owns certain inter-state transmission lines / system


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which being used by the State of Andhra Pradesh and Karnataka.

2. The "Inter-state transmission system" has been defined under section 2 (36) of the Electricity Act, 2003 as under :

"(36) Inter-state transmission system includes

—

- i) Any system for the conveyance of electricity by means of main transmission line from the territory of one state to another state;*
- ii) The conveyance of electricity across the territory of an intervening state as well as conveyance within the state which is incidental to such inter-state transmission of electricity;*
- iii) The transmission of electricity within the territory of a state on a system built, owned, operated, maintained or controlled by a Central Transmission Utility"*

3. It is submitted that on 02.06.2014, the erstwhile state of Andhra Pradesh was bifurcated and reorganised into the states of Andhra Pradesh and Telangana, which resulted in 36 nos. of inter-state transmission lines between the states of Telangana and Andhra Pradesh. Subsequently, 4 nos. new lines (assets 38 to 41) were commissioned in FY:2016-17. Accordingly, as on date there are 40 nos. of inter-state transmission lines between the states of Telangana and Andhra Pradesh.
4. There is one inter-state transmission line between the State of Telangana and Karnataka.


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5. It is submitted that the TG Transco *vide* its letter dated 27.05.2020 addressed to the Southern Regional Power Committee ("**SRPC**") sought certification for its ISTS lines in order to include the PoC Charges. The SRPC *vide* its letter dated 11.06.2020 issued to the TG Transco has clarified that a certification from the Regional Power Committee is not required for the owners of inter-state transmission lines between two states.

A copy of the letter dated 11.06.2020 addressed by the SRPC to TG Transco is attached herewith and marked as **Annexure P-1**.

A copy of the certificate for availability of Inter-state transmission system dated 13.07.2020 issued by SRPC for the period April 2020 to February 2024 (24 nos certificates) is herewith submitted and collectively marked as **Annexure P-2**.

6. The details of the 41 nos. of inter-state transmission lines with owned by the TG Transco are below:

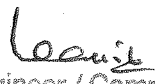
S. No.	Asset Name	COD	Asset No	Transmission Line Length in CKM (Telangana Portion)
1	400 KV Srisaillam - Kurnool (SC)	06.03.2001	Asset – 1	1.5
2	400 KV Kalpaka – Asupaka	09.08.2017	Asset – 2	Total TS Portion = 25.50 CKM
	(a) 400 KV Kalpaka - Asupaka (Part of Old Line 400 KV Kalpaka – Khammam -I)	10.05.2002		Portion of Old Line = 8.50 CKM


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	(b) LILO of Kalpaka to Khammam - I at Asupaka SS	09.08.2017		New LILO Portion = 17.00 CKM
3	400 KV Kalpaka – Khammam – II	10.05.2002	Asset - 3	121
4	400 KV VTPS – Suryapet– I	30.03.2016	Asset – 4	Total TS Portion = 56.66 CKM
	(a) 400 KV VTPS - Suryapet– I (part of Old Main Line 400KV VTPS – Malkaram - I)	01.04.2013		Portion of Old line = 54.66 CKM
	(b) LILO of VTPS to Malkaram – I at Suryapet SS	30.03.2016		New LILO Portion = 2.00 CKM
5	400 KV VTPS- Suryapet - II	14.04.2018	Asset – 5	Total TS Portion = 56.66 CKM
	(a) 400 KV VTPS - Suryapet - II (Part of Old Line 400 KV VTPS-Malkaram - II)	01.04.2013		Portion of Old line = 54.66 CKM
	(b) LILO of VTPS –Malkaram – II at Suryapet SS	14.04.2018		New LILO Portion = 2.00 CKM
6	400 KV Srisailam – Sattenapalli – I	23.10.2000	Asset - 6	0.4
7	400 KV Srisailam – Sattenapalli – II	23.10.2000	Asset – 7	0.4
8	220 KV Asupaka-Lower Sileru	09.06.2020	Asset – 8	Total TS portion = 15.5 ckm
	(a) 220 KV Asupaka- Lower Sileru (Part of Old Line 220 KV Lower Sileru - KTPS - I)	31.03.1967		Portion of Old Line = 15 ckm
	(b) LILO of KTPS to LSR I at Asupaka SS	09.06.2020		New LILO portion = 0.5 ckm
9	220 KV BG Kothur-Chinthuru	03.12.2022	Asset – 9	Total TS portion = 30.4 ckm
	(a) 220 KV BG Kothur-Chinthuru (Part of Old Line 220 KV Lower Sileru – KTPS-II)	31.03.1979		Portion of Old Line = 13.7 ckm


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	(b) LILO of 220 KV Lower Sileru - KTPS line at BG Kothuru SS	08.06.2022		New LILO portion = 16.7 ckm
	(c) LILO of BG Kothur - Lower Sileru line at Chinthuru SS	03.12.2022		LILO done in AP portion.
10	220 KV Srisailam - Dindi - I	12.09.1982	Asset – 10	80
	220 KV Srisailam - Domalapenta	17.04.2019		Total TS Portion = 0.30 CKM
11	(a) 220 KV Srisailam – Domalapenta (part of old line 220 KV Srisailam – Dindi - II)	12.09.1982	Asset – 11	Portion of Old Line = 0.00 CKM
	(b) LILO of Srisailam – Dindi – II at Domalapenta SS	17.04.2019		New LILO Portion = 0.30 CKM
12	220 KV Tallapalli - Nagarjunasagar – III	27.01.1985	Asset – 12	4
13	220 KV Tallapalli - Nagarjunasagar – I	05.08.1985	Asset – 13	2.1
14	220 KV Tallapalli - Nagarjunasagar – II	05.08.1985	Asset – 14	2.1
15	220 KV Nagarjunasagar Receiving Station - Srisailam (SC) Line	07.02.1989	Asset – 15	4
16	220 KV Nunna - KTPS	21.01.1992	Asset – 16	64.45
17	220 KV Tandur - Sedam S/C Line	28.02.2001	Asset - 17	33.6
18	220 KV Tallapalli - Chalakurthy	21.07.2007	Asset – 18	27.4
19	220 KV Brahmnaotkur (LIS) - Wanaparthi	29.10.2009	Asset – 19	78.79
	220KV Chillakallu - Suryapeta	21.12.2016		Total TS Portion = 50.30 CKM
20	(a) 220 KV Chillakallu - Suryapeta (part of old line 220 KV Chillakallu-Narketpally - I)	29.03.1999	Asset – 20	Portion of Old Line = 38.62 CKM
	(b) LILO of Chillakallu to Narketpally – I at Suryapeta SS	21.12.2016		New LILO Portion = 11.68 CKM


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21	220 KV Chillakallu - Pulichintala	05.12.2018	Asset – 21	Total TS Portion = 66.78 CKM
	(a) 220 KV Chillakallu - Pulichintala (Part of Old Line 220KV Chillakallu-Narketpally - II)	29.03.1999		Old line portion = 18.08 CKM
	(b) LILO of Chillakallu to Narketpally – II at Pulichintala SS	05.12.2018		New LILO Portion = 48.70 CKM
22	132 KV Chillakallu–Ramapuram	21.10.1982	Asset – 22	6.67
23	132 KV Aswaraopet-T.Narsapur-I	02.08.2023	Asset – 23	Total TS Portion = 5.50 ckm
	(a) 132KV Aswaraopet-T.Narsapur-I (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -I)	09.06.1982		Old line portion = 5.50 ckm
	(b) LILO of Aswaropet to KVkota at T.Narsapur SS	02.08.2023		LILO done in AP jurisdiction
24	132 KV Aswaraopet-T.Narsapur-II	02.08.2023	Asset – 24	Total TS Portion = 5.50 ckm
	(a) 132KV Aswaraopet-T.Narsapur-II (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet –II)	09.06.1982		Old line portion = 5.50 ckm
	b) LILO of Aswaraopet to KV kota at T.Narsapur SS	02.08.2023		LILO done in AP jurisdiction
25	132 KV Nagarjunasagar–RCPH	25.02.1983	Asset – 25	7.7
26	132KV Chillakallu-Pammy	29.02.2024	Asset – 26	Total TS Portion = 17 ckm
	(a) 132KV Chillakallu-Pammy (Part of Old Line 132 KV Chillakllu-Kusumanchi)	24.12.1985		Old line portion = 11.5 ckm
	LILO of Chillakallu-Kusumanchi line at Pedagopathi SS	23.12.2022		
	b) LILO of Chillakallu to Pedagopathi at Pammy SS	29.02.2024		New LILO Portion = 5.5 ckm
27	132 KV Chillakallu–Bonakallu - I	20.01.1987	Asset – 27	2.8
28	132 KV Chillakallu–Bonakallu - II	20.01.1987	Asset – 28	2.8

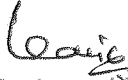
29	132 KV Alampur-Kurnool – I	31.01.2024	Asset – 29	Total TS Portion = 5.86 ckm
	(a) 132 KV Alampur-Kurnool – I (part of old line 132 KV A.P. Carbides – Alampur-I (Wanaparthy)	20.01.1987		Portion of Old Line = 4.66 CKM
	b) LILO of AP Carbides – Wanaparthy at Alampur SS	17.05.2004		New LILO Portion = 1.2 ckm
	c) Alampur (TS) – AP Carbides-I Line was connected to 132 KV Kurnool SS in AP side	31.01.2024		Change of connectivity done in AP side.
30	132 KV Chillakallu - Madhira	27.10.2001	Asset – 30	7
31	132KV Chillakallu-Pedagopathi	23.12.2022	Asset – 31	Total TS Portion = 36 ckm
	(a) 132KV Chillakallu-Pedagopathi (Part of Old Line 132 KV Chillakallu-Khammam)	02.12.2001		Portion of Old Line = 14 ckm
	(b) LILO of Chillakallu to Khammam at Pedagopathi SS	23.12.2022		New LILO Portion = 22 ckm
32	132 KV Chillakallu - Sitapuram	06.04.2004	Asset – 32	2.5
33	132 KV Chillakallu - Kodada	10.06.2004	Asset – 33	9.84
34	132 KV Sitapuram - KCP	10.05.2010	Asset – 34	0.37
35	132 KV Tangeda – New Wadapalli	16.05.2016	Asset – 35	Total TS portion = 1.3 ckm
	132 KV Tangeda – New Wadapalli (part of old line 132 KV Tangeda - Wadapalli)	26.08.2010		1.3 ckm
36	132 KV Piduguralla – New Wadapalli	10.03.2016	Asset – 36	Total TS portion = 1.3 ckm
	132 KV Piduguralla – New Wadapalli (part of old line 132 KV Piduguralla – Wadapalli)	22.02.2014		1.3 ckm
37	132 KV A.P.Carbides - Alampur - II	06.09.2014	Asset – 37	Total TS Portion = 5.86 CKM


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	(a) 132 KV A.P.Carbides - Alampur – II (part of old line 132 KV A.P.Carbides - Gadwal)	20.01.1987		Portion of Old Line = 4.66 CKM
	(b) LILO of A.P.Carbides to Gadwal at Alampur SS	06.09.2014		New LILO Portion = 1.2 CKM
38	400 KV Uravakonda - Veltoor - I	17.11.2016	Asset – 38	73.5
39	400 KV Uravakonda - Veltoor - II	18.11.2016	Asset – 39	73.5
40	400 KV Suryapeta - Kamavarapu Kota - I	20.10.2016	Asset – 40	86.4
41	400 KV Suryapeta - Kamavarapu Kota - II	20.10.2016	Asset – 41	86.4

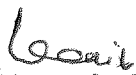
7. The following 6 nos. lines were modified on the State of Telangana's side after the last filing which was made vide petition no 127/TT/2022 for the period 2019-24:

S. No.	Asset Name	COD	Asset No.	Transmission Line Length in CKM (Telangana Portion)
1	220 KV Asupaka-Lower Sileru	09.06.2020	Asset – 8	Total TS portion = 15.5 ckm
	(a) 220 KV Asupaka-Lower Sileru (Part of Old Line 220 KV Lower Sileru - KTPS - I)	31.03.1967		Portion of Old Line = 15 ckm
	(b) LILO of KTPS to LSR I at Asupaka SS	09.06.2020		New LILO portion = 0.5 ckm


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2	220 KV BG Kothur-Chinthuru	03.12.2022	Asset – 9	Total TS portion = 30.4 ckm
	(a) 220 KV BG Kothur-Chinthuru (Part of Old Line 220 KV Lower Sileru – KTPS-II)	31.03.1979		Portion of Old Line = 13.7 ckm
	(b) LILO of 220 KV Lower Sileru - KTPS line at BG Kothuru SS	08.06.2022		New LILO portion = 16.7 ckm
	(c) LILO of BG Kothur - Lower Sileru line at Chinthuru SS	03.12.2022		LILO done in AP portion.
3	132KV Chillakallu-Pammy	29.02.2024	Asset – 26	Total TS Portion = 17 ckm
	(a) 132KV Chillakallu-Pammy (Part of Old Line 132 KV Chillakllu-Kusumanchi)	24.12.1985		Old line portion = 11.5 ckm
	b) LILO of Chillakallu to Pedagopathi at Pammy SS	29.02.2024		New LILO Portion = 5.5 ckm
4	132KV Chillakallu-Pedagopathi	23.12.2022	Asset – 31	Total TS Portion = 36 ckm
	(a) 132KV Chillakallu-Pedagopathi (Part of Old Line 132 KV Chillakallu-Khammam)	02.12.2001		Portion of Old Line = 14 ckm
	(b) LILO of Chillakallu to Khammam at Pedagopathi SS	23.12.2022		New LILO Portion = 22 ckm
5	132 KV Tangeda – New Wadapalli	16.05.2016	Asset – 35	Total TS portion = 1.3 ckm
	132 KV Tangeda – New Wadapalli (part of old line 132 KV Tangeda - Wadapalli)	26.08.2010		1.3 ckm
6	132 KV Piduguralla – New Wadapalli	10.03.2016	Asset – 36	Total TS portion = 1.3 ckm
	132 KV Piduguralla – New Wadapalli (part of old line 132 KV Piduguralla – Wadapalli)	22.02.2014		1.3 ckm

8. Furthermore, the following lines were modified on the side State of Andhra Pradesh:


 Chief Engineer/Comml. & RAC
 TGTRANSCO, Vidyut Soudha, Hyd-82

S. No.	Asset name	COD	Asset No.	Transmission Line Length in CKM (Telangana Portion)
1	132 KV Aswaraopet-T.Narsapur-I	02.08.2023	Asset 23 -	Total TS Portion = 5.50 ckm
	(a) 132KV Aswaraopet-T.Narsapur-I (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -I)	09.06.1982		Old line portion = 5.50 ckm
	(b) LILO of Aswaropet to KV kota at T.Narsapur SS	02.08.2023		LILO done in AP jurisdiction
2	132 KV Aswaraopet-T.Narsapur-II	02.08.2023	Asset 24 -	Total TS Portion = 5.50 ckm
	(a) 132KV Aswaraopet-T.Narsapur-II (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -II)	09.06.1982		Old line portion = 5.50 ckm
	b) LILO of Aswaraopet to KV kota at T.Narsapur SS	02.08.2023		LILO done in AP jurisdiction
3	132 KV Alampur-Kurnool - I	31.01.2024	Asset 29 -	Total TS Portion = 5.86 ckm
	(a) 132 KV Alampur-Kurnool - I (part of old line 132 KV A.P. Carbides - Alampur-I (Wanaparthi)	20.01.1987		Portion of Old Line = 4.66 CKM
	b) LILO of AP Carbides - Wanaparthi at Alampur SS	17.05.2004		New LILO Portion = 1.2 ckm
	c) Alampur (TS) - AP Carbides-I Line was connected to 132 KV Kurnool SS in AP side	31.01.2024		Change of connectivity done in AP side.

9. The SRPC approvals for the modifications done on Telangana side as given at pre-para 8) and the single line diagrams depicting the same are herewith enclosed as given below:


 Chief Engineer / Comml. & RAC
 TGTRANSCO, Vidyut Soudha, Hyd-82

S. No.	Asset Name	Asset No.	SRPC Approval	Single Line Diagram
1	220 KV Asupaka-Lower Sileru	Asset-8	Annexure-3	Annexure-4
2	220 KV BG Kothur-Chinthuru	Asset-9	Annexure-5	Annexure-6
3	132 KV Chillakallu-Pammy	Asset-26	Annexure-7	Annexure-8
4	132 KV Chillakallu-Pedagopathi	Asset-31		
5	132 KV Tangeda – New Wadapalli	Asset-35	-	Annexure-9
6	132KV Piduguralla–New Wadapalli	Asset-36	-	
7	132 KV Ashwaraopet – T.Narsapur -I & II	Assets 23 & 24	AP side modification	Annexure -10
8	132 KV Alampur-Kurnool-I	Asset-29	AP side modification	Annexure -11

A copy of the SRPC approval dated 16.12.2019 for the 220 KV Asupaka-Lower Sileru Asset is attached herewith and marked as **Annexure P-3**.

A copy of the Single Line Diagram for the 220 KV Asupaka-Lower Sileru Asset is attached herewith and marked as **Annexure P-4**.

A copy of the SRPC approval dated 06.12.2017 for the 220 KV BG Kothur-Chinthuru Asset is attached herewith and marked as **Annexure P-5**.


 Chief Engineer / Comml. & RAC
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A copy of the Single Line Diagram for the 220 KV BG Kothur-Chinthuru Asset is attached herewith and marked as **Annexure P-6**.

A copy of the SRPC approval dated 29.11.2022 for 132 KV Chillakallu-Pammy and 132 KV Chillakallu-Pedagopathi assets is attached herewith and marked as **Annexure P-7**.

A copy of the Single Line Diagram for the 132 KV Chillakallu-Pammy and 132 KV Chillakallu-Pedagopathi assets is attached herewith and marked as **Annexure P-8**.

A copy of the Single Line Diagram for the 132 KV Tangeda – New Wadapalli and 132KV Piduguralla–New Wadapalli assets is attached herewith and marked as **Annexure P-9**.

A copy of the Single Line Diagram for the 132 KV Ashwaraopet – T.Narsapur -I & II asset is attached herewith and marked as **Annexure P-10**.

A copy of the Single Line Diagram for the 132 KV Alampur-Kurnool-I asset is attached herewith and marked as **Annexure P-11**.

10. It is respectfully submitted that this Hon'ble Commission *vide* its order dated 14.03.2012 passed in petition no. 15/SM/2012, directed as under:

"6. As a first step towards inclusion of non-ISTS lines in the PoC transmission charges, the Commission proposes to include the transmission lines connecting two states, for computation of PoC transmission charges, tariff for such assets needs to be approved by the Commission in accordance with the provisions of Sharing Regulations. Accordingly, we direct the owners of these Inter-state lines to file appropriate


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application before the Commission for determination of Tariff for facilitating disbursement."

11. Further, this Hon'ble Commission *vide* its order dated 05.09.2018 passed in petition no. 07/SM/2017 directed the state utilities to file tariff petitions for determination of tariff for inclusion in the computation of Point of Connection transmission charges for FY: 2017-18 and FY: 2018-19.
12. Accordingly, the TG Transco filed a petition no. 2/TT/2019 before this Hon'ble Commission to include 38 nos. of ISTS assets between Telangana and Andhra Pradesh for which this Hon'ble Commission determined Annual Transmission Charges (ATC) for FY:2016-17 *vide* its order dated 13.02.2020.
13. Thereafter, TG Transco filed petition no. 325/TT/2022 before this Hon'ble Commission on 24.09.2020 for determination of ATC for the period 2014-19 for 40 ISTS lines between Telangana & Andhra Pradesh and one ISTS line between Telangana and Karnataka for which this Hon'ble Commission determined Annual Transmission Charges (ATC) for FY: 2014-19 *vide* its order dated 01.01.2024.
14. Further, TG Transco filed a petition no. 127/TT/2022 before this Hon'ble Commission on 24.09.2020 for determination of ATC for the period 2019-24 for all 41 nos. assets (40 ISTS lines between Telangana & AP and one ISTS line between Telangana and Karnataka) for which this Hon'ble Commission determined ATC for FY:2019-24 *vide* its order dated 02.08.2024.


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15. The present petition is being filed for determination of tariff (Annual Transmission Charges) for 41 nos. assets (40 ISTS lines between Telangana & AP and one ISTS line between Telangana and Karnataka) for the block period from FY:2024-25 to FY:2028-29.

16. The present petition is being filed seeking annual transmission charges. The details of the Year-wise Transmission Charges for Assets 1 to Asset 41:

A. CAPITAL COST:

I. Capital Cost for the Assets 1 to 37 (excluding 4 Nos New and 11 Nos Modified assets)

17. The individual capital cost details for these 37 lines are not available. Hence, the capital cost is considered in line with the Hon'ble commission's methodology. 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 2024-25 to FY 2028-29.

18. The methodology in order dated 21.06.2018 passed in petition 237/TT/2016(14) is quoted as below.

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

As per the petitions filed by the states, their ISTS lines generally have the configuration of 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 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.


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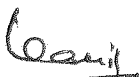
19. Accordingly, the capital cost for the 37 assets (Excluding 4 Nos New and 11 Nos Modified assets as shown under table (B)) is considered as detailed below:

Asset No.	Asset Name	Rational Cost	Length (Km)	Multiplication Factor	Gross Value asset
Asset 1	400 KV Srisailam - Kurnool	54.57	1.5	1	81.86
Asset 2A	400 KV Kalpaka - Asupaka (Part of Old Line 400 KV Kalpaka - Khammam -I)	34	8.5	1	289.00
Asset 3	400 KV Kalpaka - Khammam - II	34	121	1	4,114.00
Asset 4&5	400 KV VTPS - Suryapet- I & II (part of Old Main Line 400KV VTPS - Malkaram - I&II)	94.67	54.66	1.39	7,192.78
Asset 6&7	400 KV Srisailam - Sattenapalli Ckt I& II	20.71	0.4	1.39	11.51
Asset 8A	220 KV Asupaka-Lower Sileru (Part of Old Line 220 KV Lower Sileru - KTPS - I)	0	15	0.36	-
Asset 9A	220 KV BG Kothur-Chinthuru (Part of Old Line 220 KV Lower Sileru - KTPS-II)	0	13.7	0.36	-

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Asset 10	220 KV Srisailam - Dindi - I	0	80	0.57	-
Asset 11A	220 KV Srisailam - Domalapenta (part of old line 220 KV Srisailam - Dindi - II)	0	0	0.57	-
Asset 12	220 KV Tallapalli - Nagarjunasagar - III	0	4	0.36	-
Asset 13&14	220 KV Tallapalli - Nagarjunasagar - I & II	0	2.1	0.57	-
Asset 15	220 KV N'Sagar Receiving Station - Srisailam (SC) Line	0	4	0.36	-
Asset 16	220 KV Nunna - KTPS	0	64.45	0.36	-
Asset 17	220 kV Tandur - Sedam	54.57	33.6	0.36	660.08
Asset 18	220 KV Tallapalli - Chalakurthy	47.04	27.4	0.36	464.00
Asset 19	220 KV Brahmna Kotkur - Wanaparthi (LIS)	48.44	78.79	0.36	1,373.97
Asset 20A	220 KV Chillakallu - Suryapeta (part of old line 220 KV Chillakallu - Narketpally - I)	20.71	38.62	0.36	287.94
Asset 21A	220 KV Chillakallu - Pulichintala	20.71	18.08	0.36	134.80

	(Part of Old Line 220KV Chillakallu- Narketpally - II)				
Asset 22	132 KV Chillakallu - Ramapuram	0	6.67	0.43	-
Asset 23&24	132KV Aswaraopet- T.Narsapur-I & II (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -I & II)	0	5.5	0.43	-
Asset 25	132 KV Nagarjunasagar - RCPH	0	7.7	0.31	-
Asset 26A	132KV Chillakallu- Pammy (Part of Old Line 132 KV Chillakllu- Kusumanchi)	0	11.5	0.43	-
Asset 27& 28	132 KV Chillakallu - Bonakallu - I &II	0	2.8	0.43	-
Asset 29 A	132 KV Alampur- Kurnool - I (part of old line 132 KV A.P. Carbides - Alampur-I (Wanaparthu)	0	4.66	0.31	-
Asset 29B	LILO of AP Carbides -	27.2	1.2	0.31	10.12


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	Wanaparthi at Alampur SS				
Asset 30	132 KV Chillakallu - Madhira	44.28	7	0.31	96.09
Asset 31A	132KV Chillakallu- Pedagogopathi (Part of Old Line 132 KV Chillakallu- Khammam)	44.28	14	0.43	266.57
Asset 32	132 KV Chillakallu - Sitapuram	27.2	2.5	0.43	29.24
Asset 33	132 KV Chillakallu - Kodada	27.2	9.84	0.31	82.97
Asset 34	132 KV Sitapuram - KCP	52.26	0.37	0.31	5.99
Asset 35	132 KV Tangeda – New Wadapalli (part of old line 132 KV Tangeda - Wadapalli)	52.26	1.3	0.31	21.06
Asset 36	132 KV Piduguralla – New Wadapalli (part of old line 132 KV Piduguralla – Wadapalli)	94.67	1.3	0.31	38.15
Asset 37A	132 KV A.P.Carbides - Alampur – II (part of old line 132 KV	0	4.66	0.31	-

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	A.P.Carbides - Gadwal)				
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II The following is the audited capital cost of 4 New and 11 Nos Modified Assets:

(Rs. in lakhs)

Asset Type	Asset	Capital Cost (excl. IDC) as on COD	IDC till COD	Capital Cost as on COD
Asset 2B	LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS	2910.41	341.44	3251.85
Asset 4B & 5B	LILO of VTPS to Malkaram - I&II at Suryapet SS	559.55	65.65	625.20
Asset 8B	LILO of 220KV KTPS to LSR I at Asupaka SS	373.00	43.64	415.64
Asset 9B	LILO of 220KV Lower Sileru-KTPS at BG kottur SS	1910.7	224.16	2134.86
Asset 11B	LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS	19.82	2.45	22.27
Asset 20B	LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS	698.19	81.91	780.10
Asset 21B	LILO of 220 KV Chillakallu to Narketpally - II at Pulichintala SS	3555.77	417.16	3972.93
Asset 26B	LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS	358.17	42.02	400.19

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Asset 31B	LILO of 132KV Chillakallu - Khammam at Pedagogathi SS	2547.30	298.85	2846.15
Asset 37B	LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS	159.52	18.71	178.23
Asset 38 & 39	400KV Veltoor - Uravakonda I & II	16830.59	1974.54	18805.13
Asset 40 & 41	400KV Suryapeta -KV Kota I & II	20520.08	2407.38	22927.46

The above expenditure is in line with audit certificate which is attached herewith and marked as **Annexure P-12**.

B. ADDITIONAL CAPITAL COST:

20. Further, the details of additional expenditure incurred after the date of Commercial Operation (“**COD**”) including the expenses are towards transfers/adjustments carried out after COD. qualifies as additional Capital Expenditure as per in terms of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 are detailed out asset wise herein below:

I. Asset 2B – LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
3,251.85						3262.44*

(*) Additional cost of Rs.10.59 lakhs incurred in FY2018-19.


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II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
625.20						625.20

III. Asset 8B- LILO of 220KV KTPS - LSR 1 at AsupakaSS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
415.64						411.64*

(*) Devaluation of asset for Rs.5.00 lakhs happened in FY2021-22 and additional cost of Rs.1.00 lakh incurred in FY 2023-24

IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
2134.86	0.5					2201.36*

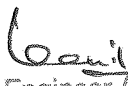
(*) Additional cost of Rs.66.00 akhs incurred in FY2023-24.

V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
22.27						30.41*

(*) Additional cost of Rs.8.15lakhs incurred in FY2020-21.


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VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
780.10						833.47*

(*) Additional cost of Rs.53.37 lakhs incurred in FY2017-18.

VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
3972.93						4,080.52*

(*) Additional cost of Rs.107.59 lakhs incurred in FY2019-20.

VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
400.19	54.75					454.94

IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagopathi SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
2846.15	(56.43)					2788.11*

(*) Devaluation of asset for Rs.1.62 lakhs happened in FY2023-24.


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X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
178.23						180.35*

(*) Additional cost of Rs.2.12 lakhs incurred in FY2015-16.

XI. Asset 38&39- 400KV Velloor - Uravakonda I & II

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
18,805.13						18,805.13

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

(Rs. in lakhs)

Capital Cost as on COD	Additional Capital Expenditure					Capital Cost as on 31.03.2029
	2024-25	2025-26	2026-27	2027-28	2028-29	
22927.46						22927.46

C. DEPRECIATION:

21. In line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, the assets are depreciated up to 90% of the capital cost, leaving 10% being the salvage value of the asset. The Depreciation rate for Existing Projects is considered @5.28% till 12 years and @2.05% beyond that till 25 years of life of the asset.


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22. Further, the Depreciation for New Projects with COD after 01.04.2024 is considered @4.22% % till 12 years and @2.67% beyond that till 25 years of life of the asset. And normative loan repayment during a year shall be deemed to be equal to the depreciation allowed for that year.

a) For Assets 1 to 37 (excluding 4Nos New and 11 Nos Modified assets):

23. It is submitted that the asset wise calculation of Depreciation for Assets 1 to 37 (excluding 4 Nos New and 11 Nos Modified assets) has been calculated by the Petitioner and the same is reflected in **Annexure P-12**.

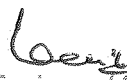
b) The following are the calculations for depreciation of 4Nos New and 11 Nos Modified assets:

24. In addition to the above, the calculations of depreciation for the 4 New and 11 Modified assets is as under:

I. Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	3262.44	3262.44	3262.44	3262.44	3262.44
Additional Capitalisation	3262.44	3262.44	3262.44	3262.44	3262.44
Closing Capital Cost	3262.44	3262.44	3262.44	3262.44	3262.44
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%


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Depreciable value	2936.20	2936.20	2936.20	2936.20	2936.20
Depreciation	172.26	172.26	172.26	172.26	172.26
Cumulative depreciation at the end of the period	1315.59	1487.85	1660.11	1832.36	2004.62

II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	625.20	625.20	625.20	625.20	625.20
Additional Capitalisation	625.20	625.20	625.20	625.20	625.20
Closing Capital Cost	625.20	625.20	625.20	625.20	625.20
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	2.05%
Depreciable value	562.68	562.68	562.68	562.68	562.68
Depreciation	33.01	33.01	33.01	32.90	12.82
Cumulative depreciation at the end of the period	297.28	330.29	363.30	396.20	409.01


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III. Asset 8B- LILO of 220KV KTPS - LSR 1 at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	411.64	411.64	411.64	411.64	411.64
Additional Capitalisation	411.64	411.64	411.64	411.64	411.64
Closing Capital Cost	411.64	411.64	411.64	411.64	411.64
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	370.48	370.48	370.48	370.48	370.48
Depreciation	21.73	21.73	21.73	21.73	21.73
Cumulative depreciation at the end of the period	104.74	126.47	148.21	169.94	191.68

IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	2200.86	2201.36	2201.36	2201.36	2201.36
Additional Capitalisation	2201.36	2201.36	2201.36	2201.36	2201.36
Closing Capital Cost	2201.11	2201.36	2201.36	2201.36	2201.36
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	1981.22	1981.22	1981.22	1981.22	1981.22
Depreciation	116.22	116.23	116.23	116.23	116.23
Cumulative depreciation at the end of the period	322.40	438.63	554.87	671.10	787.33

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V. **Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS**

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	30.41	30.41	30.41	30.41	30.41
Additional Capitalisation	30.41	30.41	30.41	30.41	30.41
Closing Capital Cost	30.41	30.41	30.41	30.41	30.41
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	27.37	27.37	27.37	27.37	27.37
Depreciation	1.61	1.61	1.61	1.61	1.61
Cumulative depreciation at the end of the period	8.94	10.54	12.15	13.75	15.36

VI. **Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS**

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	833.47	833.47	833.47	833.47	833.47
Additional Capitalisation	833.47	833.47	833.47	833.47	833.47
Closing Capital Cost	833.47	833.47	833.47	833.47	833.47
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	2.05%
Depreciable value	750.12	750.12	750.12	750.12	750.12
Depreciation	44.01	44.01	44.01	44.01	17.09
Cumulative depreciation at the end of the period	362.05	406.05	450.06	494.07	511.15


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VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	4080.52	4080.52	4080.52	4080.52	4080.52
Additional Capitalization	4080.52	4080.52	4080.52	4080.52	4080.52
Closing Capital Cost	4080.52	4080.52	4080.52	4080.52	4080.52
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	3672.47	3672.47	3672.47	3672.47	3672.47
Depreciation	215.45	215.45	215.45	215.45	215.45
Cumulative depreciation at the end of the period	1357.11	1572.56	1788.01	2003.46	2218.92

VIII. Asset 26B - LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	400.19	454.94	454.94	454.94	454.94
Additional Capitalisation	454.94	454.94	454.94	454.94	454.94
Closing Capital Cost	427.57	454.94	454.94	454.94	454.94
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	409.45	409.45	409.45	409.45	409.45
Depreciation	22.58	24.02	24.02	24.02	24.02
Cumulative depreciation at the end of the period	24.43	48.45	72.47	96.49	120.51

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IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	2844.53	2788.11	2788.11	2788.11	2788.11
Additional Capitalisation	2788.11	2788.11	2788.11	2788.11	2788.11
Closing Capital Cost	2816.32	2788.11	2788.11	2788.11	2788.11
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	2509.30	2509.30	2509.30	2509.30	2509.30
Depreciation	148.70	147.21	147.21	147.21	147.21
Cumulative depreciation at the end of the period	339.70	486.91	634.12	781.33	928.54

X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	180.35	180.35	180.35	180.35	180.35
Additional Capitalisation	180.35	180.35	180.35	180.35	180.35
Closing Capital Cost	180.35	180.35	180.35	180.35	180.35
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	2.05%	2.05%	2.05%
Depreciable value	162.31	162.31	162.31	162.31	162.31
Depreciation	9.52	9.52	3.70	3.70	3.70
Cumulative depreciation at the end of the period	100.50	110.03	113.72	117.42	121.12


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XI. Asset 38&39- 400KV Veltloor - Uravakonda I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	18805.13	18805.13	18805.13	18805.13	18805.13
Additional Capitalisation	18805.13	18805.13	18805.13	18805.13	18805.13
Closing Capital Cost	18805.13	18805.13	18805.13	18805.13	18805.13
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	16,924.62	16,924.62	16,924.62	16,924.62	16,924.62
Depreciation	992.91	992.91	992.91	992.91	744.96
Cumulative depreciation at the end of the period	8328.52	9321.43	10314.34	11307.25	12052.21

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Opening Capital Cost	22927.46	22927.46	22927.46	22927.46	22927.46
Additional Capitalisation	22927.46	22927.46	22927.46	22927.46	22927.46
Closing Capital Cost	22927.46	22927.46	22927.46	22927.46	22927.46
Average Capital Cost	-	-	-	-	-
Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	20634.72	20634.72	20634.72	20634.72	20634.72
Depreciation	1210.57	1210.57	1210.57	1210.57	879.86
Cumulative depreciation at the end of the period	10225.17	11435.74	12646.31	13856.88	14736.74

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D. DEBT EQUITY RATIO:

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

E. INTEREST ON TERM LOANS:

a) Assets 1 to 37 and 4 Nos New & 11 Nos Modified assets:

26. It is submitted that the rate of interest shall be the weighted average rate of interest calculated on the basis of the actual loan portfolio or allocated loan portfolio of 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	2024-25	2025-26	2026-27	2027-28	2028-29
Rate of Interest on Loan	10.00%	10.00%	10.00%	10.00%	10.00%

The detailed asset wise calculation for interest on loan for 37 assets is shown in the **Annexure P-12**.

b) The following are details of asset wise interest on loans claimed in the tariff calculations of 4 Nos New and 11 Nos Modified assets:

27. loans claimed in the tariff calculations of 4 New and 11 Modified assets:


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I. Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	2283.71	2283.71	2283.71	2283.71	2283.71
Cumulative repayment of Normative Loan upto previous year	1143.34	1315.59	1487.85	1660.11	1832.36
Net Normative loan - Opening	1140.37	968.12	795.86	623.60	451.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	172.26	172.26	172.26	172.26	172.26
Net Normative loan - Closing	968.12	795.86	623.60	451.34	279.09
Average Normative Loan	1054.24	881.99	709.73	537.47	365.22
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	105.42	88.20	70.97	53.75	36.52

II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	437.64	437.64	437.64	437.64	437.64
Cumulative repayment of Normative Loan upto previous year	264.27	297.28	330.29	363.30	396.20
Net Normative loan - Opening	173.37	140.36	107.35	74.34	41.44


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Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	33.01	33.01	33.01	32.90	12.82
Net Normative loan - Closing	140.36	107.35	74.34	41.44	28.63
Average Normative Loan	156.87	123.86	90.85	57.89	35.03
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	15.69	12.39	9.08	5.79	3.50

III. Asset 8B- LILO of 220KV KTPS - LSR 1 at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	288.15	288.15	288.15	288.15	288.15
Cumulative repayment of Normative Loan upto previous year	83.00	104.74	126.47	148.21	169.94
Net Normative loan - Opening	205.15	183.41	161.68	139.94	118.21
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	21.73	21.73	21.73	21.73	21.73
Net Normative loan - Closing	183.41	161.68	139.94	118.21	96.47
Average Normative Loan	194.28	172.55	150.81	129.08	107.34
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	19.43	17.25	15.08	12.91	10.73


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IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	1540.60	1540.95	1540.95	1540.95	1540.95
Cumulative repayment of Normative Loan upto previous year	206.18	322.40	438.63	554.87	671.10
Net Normative loan - Opening	1334.42	1218.55	1102.32	986.09	869.85
Increase/Decrease due to ACE/de-capitalisation during the year	0.35	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	116.22	116.23	116.23	116.23	116.23
Net Normative loan - Closing	1218.55	1102.32	986.09	869.85	753.62
Average Normative Loan	1276.48	1160.43	1044.20	927.97	811.74
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	127.65	116.04	104.42	92.80	81.17

V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	21.29	21.29	21.29	21.29	21.29
Cumulative repayment of Normative Loan upto previous year	7.33	8.94	10.54	12.15	13.75
Net Normative loan - Opening	13.96	12.35	10.74	9.14	7.53
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-


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Less: Repayment of Loans during the year	1.61	1.61	1.61	1.61	1.61
Net Normative loan - Closing	12.35	10.74	9.14	7.53	5.93
Average Normative Loan	13.15	11.55	9.94	8.34	6.73
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	1.32	1.15	0.99	0.83	0.67

VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	583.43	583.43	583.43	583.43	583.43
Cumulative repayment of Normative Loan upto previous year	318.04	362.05	406.05	450.06	494.07
Net Normative loan - Opening	265.39	221.38	177.38	133.37	89.36
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	44.01	44.01	44.01	44.01	17.09
Net Normative loan - Closing	221.38	177.38	133.37	89.36	72.27
Average Normative Loan	243.39	199.38	155.37	111.36	80.82
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	24.34	19.94	15.54	11.14	8.08


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VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	2856.37	2856.37	2856.37	2856.37	2856.37
Cumulative repayment of Normative Loan upto previous year	1,141.66	1,357.11	1,572.56	1,788.01	2,003.46
Net Normative loan - Opening	1714.71	1499.25	1283.80	1068.35	852.90
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	215.45	215.45	215.45	215.45	215.45
Net Normative loan - Closing	1499.25	1283.80	1068.35	852.90	637.45
Average Normative Loan	1606.98	1391.53	1176.08	960.63	745.17
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	160.70	139.15	117.61	96.06	74.52

VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	280.13	318.46	318.46	318.46	318.46
Cumulative repayment of Normative Loan upto previous year	1.85	24.43	48.45	72.47	96.49
Net Normative loan - Opening	278.28	294.03	270.01	245.99	221.97

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Increase/Decrease due to ACE/de-capitalisation during the year	38.33	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	22.58	24.02	24.02	24.02	24.02
Net Normative loan - Closing	294.03	270.01	245.99	221.97	197.95
Average Normative Loan	286.16	282.02	258.00	233.98	209.96
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	28.62	28.20	25.80	23.40	21.00

IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	1991.17	1951.67	1951.67	1951.67	1951.67
Cumulative repayment of Normative Loan upto previous year	190.99	339.70	486.91	634.12	781.33
Net Normative loan - Opening	1800.18	1611.98	1464.77	1317.56	1170.34
Increase/Decrease due to ACE/de-capitalisation during the year	-39.50	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	148.70	147.21	147.21	147.21	147.21
Net Normative loan - Closing	1611.98	1464.77	1317.56	1170.34	1023.13
Average Normative Loan	1706.08	1538.37	1391.16	1243.95	1096.74
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	170.61	153.84	139.12	124.39	109.67


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X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	126.24	126.24	126.24	126.24	126.24
Cumulative repayment of Normative Loan upto previous year	90.98	100.50	110.03	113.72	117.42
Net Normative loan - Opening	35.26	25.74	16.22	12.52	8.82
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	9.52	9.52	3.70	3.70	3.70
Net Normative loan - Closing	25.74	16.22	12.52	8.82	5.13
Average Normative Loan	30.50	20.98	14.37	10.67	6.97
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	3.05	2.10	1.44	1.07	0.70

XI. Asset 38&39- 400KV Veltor - Uravakonda I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	13163.59	13163.59	13163.59	13163.59	13163.59
Cumulative repayment of Normative Loan upto previous year	7335.61	8328.52	9321.43	10314.34	11307.25
Net Normative loan - Opening	5827.98	4835.07	3842.16	2849.25	1856.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00

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Less: Repayment of Loans during the year	992.91	992.91	992.91	992.91	744.96
Net Normative loan - Closing	4835.07	3842.16	2849.25	1856.34	1111.38
Average Normative Loan	5331.52	4338.61	3345.70	2352.79	1483.86
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	533.15	433.86	334.57	235.28	148.39

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Gross loan - Opening	16049.22	16049.22	16049.22	16049.22	16049.22
Cumulative repayment of Normative Loan upto previous year	9014.60	10225.17	11435.74	12646.31	13856.88
Net Normative loan - Opening	7034.62	5824.05	4613.48	3402.91	2192.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	1210.57	1210.57	1210.57	1210.57	879.86
Net Normative loan - Closing	5824.05	4613.48	3402.91	2192.34	1312.49
Average Normative Loan	6429.34	5218.77	4008.20	2797.63	1752.42
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	642.93	521.88	400.82	279.76	175.24

F. RETURN ON EQUITY:

28. It is most respectfully submitted that Regulations 30(1); 30(2) and 30(3) and 31(2) of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations,


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2024 provide for the mechanism for the calculation of the component of return of equity. Regulations 30 and 31 of the CERC Tariff Regulations read 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 for existing project shall be computed at the base rate of 15.50% for thermal generating station, transmission system including communication system . . .”

(3) Return on equity for new project achieving COD on or after 01.04.2024 shall be computed at the base rate of 15.00% for the transmission system, including the communication system...”

“31. Tax on Return on Equity:

(1) The rate of return on equity as allowed by the Commission under Regulation 30 of these regulations shall be grossed up with the effective tax rate of the respective financial year..”

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

$\text{Rate of pre-tax return on equity} = \text{Base rate} / (1-t)$

Provided that in case a generating company or transmission licensee is paying Minimum Alternate Tax (MAT) under Section 115JB, the generating company or the transmission licensee, as the case may be, shall true up the grossed up rate of return on equity at the end of every financial year with the applicable MAT rate including surcharge and cess.”

29. In line with the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024, The ROE considered is as follows:


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30. TS TRANSCO is a profit-making entity, the total tax rate (including surcharge and Education Cess) for the tariff period 2024-29 is as below:

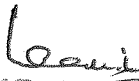
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Base Rate	15%	15%	15%	15%	15%
Surcharge	12%	12%	12%	12%	12%
Education Cess	4%	4%	4%	4%	4%
Total Tax	17.472%	17.472%	17.472%	17.472%	17.472%

31. The Return on Equity (RoE (%)) is considered after grossing up with the tax rate for existing assets:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Rate of Return on Equity(%)	15.500%	15.500%	15.500%	15.500%	15.500%
Tax Rate	17.472%	17.472%	17.472%	17.472%	17.472%
Pre Tax Return on Equity	18.782%	18.782%	18.782%	18.782%	18.782%

32. The Return on Equity (RoE (%)) is considered after grossing up with the tax rate for new project achieving COD on or after 01.04.2024:

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Rate of Return on Equity(%)	15.000%	15.000%	15.000%	15.000%	15.000%
Tax Rate	17.472%	17.472%	17.472%	17.472%	17.472%
Pre Tax Return on Equity	18.176%	18.176%	18.176%	18.176%	18.176%


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a) **Return on Equity (RoE) for Assets 1 to 37**

33. The Return on Equity (RoE) for Assets 1 to 37 has been calculated and reflected in **Annexure P-12**.

b) **Return on Equity (RoE) for 4 Nos New and 11 Nos Modified assets:**

34. It is submitted that the details of the calculation of Return on Equity (RoE) for 4 New and 11 Modified assets is provided herein below:

I. **Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS**

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	978.73	978.73	978.73	978.73	978.73
Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
Closing Equity	978.73	978.73	978.73	978.73	978.73
Average Equity	978.73	978.73	978.73	978.73	978.73
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	183.82	183.82	183.82	183.82	183.82


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II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	187.56	187.56	187.56	187.56	187.56
Additional Capital made during the year.	-	-	-	-	-
Closing Equity	187.56	187.56	187.56	187.56	187.56
Average Equity	187.56	187.56	187.56	187.56	187.56
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	35.23	35.23	35.23	35.23	35.23

III. Asset 8B- LILO of 220KV KTPS - LSR 1 at AsupakaSS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	123.49	123.49	123.49	123.49	123.49
Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
Closing Equity	123.49	123.49	123.49	123.49	123.49
Average Equity	123.49	123.49	123.49	123.49	123.49
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	23.19	23.19	23.19	23.19	23.19


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IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

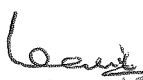
(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	660.26	660.41	660.41	660.41	660.41
Additional Capital made during the year.	0.15	0.00	0.00	0.00	0.00
Clsoing Equity	660.41	660.41	660.41	660.41	660.41
Average Equity	660.33	660.41	660.41	660.41	660.41
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	124.02	124.03	124.03	124.03	124.03

V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	9.12	9.12	9.12	9.12	9.12
Additional Capital made during the year.	-	-	-	-	-
Clsoing Equity	9.12	9.12	9.12	9.12	9.12
Average Equity	9.12	9.12	9.12	9.12	9.12
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	1.71	1.71	1.71	1.71	1.71


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VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	250.04	250.04	250.04	250.04	250.04
Additional Capital made during the year.	-	-	-	-	-
Closing Equity	250.04	250.04	250.04	250.04	250.04
Average Equity	250.04	250.04	250.04	250.04	250.04
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	46.96	46.96	46.96	46.96	46.96

VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	1224.16	1224.16	1224.16	1224.16	1224.16
Additional Capital made during the year.	-	-	-	-	-
Closing Equity	1224.16	1224.16	1224.16	1224.16	1224.16
Average Equity	1224.16	1224.16	1224.16	1224.16	1224.16
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	229.92	229.92	229.92	229.92	229.92

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VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	120.06	136.48	136.48	136.48	136.48
Additional Capital made during the year.	16.43	0.00	0.00	0.00	0.00
Closing Equity	136.48	136.48	136.48	136.48	136.48
Average Equity	128.27	136.48	136.48	136.48	136.48
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	24.09	25.63	25.63	25.63	25.63

IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagopathi SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	853.36	836.43	836.43	836.43	836.43
Additional Capital made during the year.	(16.93)	0.00	0.00	0.00	0.00
Closing Equity	836.43	836.43	836.43	836.43	836.43
Average Equity	844.90	836.43	836.43	836.43	836.43
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	158.68	157.09	157.09	157.09	157.09

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X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	54.10	54.10	54.10	54.10	54.10
Additional Capital made during the year.	-	-	-	-	-
Closing Equity	54.10	54.10	54.10	54.10	54.10
Average Equity	54.10	54.10	54.10	54.10	54.10
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	10.16	10.16	10.16	10.16	10.16

XI. Asset 38&39- 400KV Velloor - Uravakonda I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	5641.54	5641.54	5641.54	5641.54	5641.54
Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
Closing Equity	5641.54	5641.54	5641.54	5641.54	5641.54
Average Equity	5641.54	5641.54	5641.54	5641.54	5641.54
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	1059.57	1059.57	1059.57	1059.57	1059.57


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XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II*(Rs. in lakhs)*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Equity as on COD/Admitted equity	6878.24	6878.24	6878.24	6878.24	6878.24
Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
Closing Equity	6878.24	6878.24	6878.24	6878.24	6878.24
Average Equity	6878.24	6878.24	6878.24	6878.24	6878.24
Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
Return on Equity	1291.84	1291.84	1291.84	1291.84	1291.84

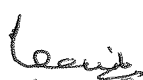
G. O&M EXPENSES:

35. The O & M expenses are considered in line with the Clause 3(a) of Regulation 36 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 which specify the norms for O&M Expenses for the transmission system.

a) The O&M Expenses for Assets 1 to 37:

36. The O&M Expenses for Assets 1 to 37 (excluding 4Nos New and 11 Nos Modified assets) are calculated in line with Norms for O&M Expenses and detailed calculations are shown at **Annexure 12**.

b) The following are the details of Asset wise O&M expenses claimed for 4 Nos New and 11 Nos Modified assets:


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37. The asset wise calculation of the O&M expenses claimed for 4 New and 11 Modified assets is provided herein below:

I. Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	29.53	31.08	32.71	34.43	36.23
O&M Expenses	29.53	31.08	32.71	34.43	36.23
B) Line O&M Expenses:					
Length (KMs)	17.00	17.00	17.00	17.00	17.00
Norm (Lakh/KM)	0.861	.906	0.953	1.003	.056
O&M Expenses	14.64	15.40	16.20	17.05	17.95
Total O&M Expenses (A+B)	44.17	46.48	48.91	51.48	54.18

II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	2.000	2.000	2.000	2.000	2.000
Norm (Lakh/Bay)	29.53	31.08	32.71	34.43	36.23
O&M Expenses	59.06	62.16	65.42	68.86	72.46
B) Line O&M Expenses:					
Length (KMs)	2.30	2.30	2.30	2.30	2.30
Norm (Lakh/KM)	0.861	.906	0.953	.003	.056
O&M Expenses	1.98	2.08	2.19	2.31	2.43
Total O&M Expenses (A+B) :	61.04	64.24	67.61	71.17	74.89


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III. Asset 8B- LILO of 220KV KTPS - LSR 1 at AsupakaSS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	20.67	21.75	22.90	24.10	25.36
O&M Expenses	20.67	21.75	22.90	24.10	25.36
B) Line O&M Expenses:					
Length (KMs)	0.50	0.50	0.50	0.50	0.50
Norm (Lakh/KM)	0.246	0.259	0.272	.287	0.302
O&M Expenses	0.12	0.13	0.14	0.14	0.15
Total O&M Expenses (A+B) :	20.79	21.88	23.04	24.24	25.51

IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	20.67	21.75	22.90	24.10	25.36
O&M Expenses	20.67	21.75	22.90	24.10	25.36
B) Line O&M Expenses:					
Length (KMs)	16.70	16.70	16.70	16.70	16.70
Norm (Lakh/KM)	.246	0.259	.272	.287	0.302
O&M Expenses	4.11	4.33	4.54	4.79	5.04
Total O&M Expenses (A+B) :	24.78	26.08	27.44	28.89	30.40

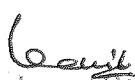

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V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	20.67	21.75	22.90	24.10	25.36
O&M Expenses	20.67	21.75	22.90	24.10	25.36
B) Line O&M Expenses:					
Length (KMs)	0.30	0.30	0.30	0.30	0.30
Norm (Lakh/KM)	.369	0.388	0.409	0.430	.453
O&M Expenses	0.11	0.12	0.12	0.13	0.14
Total O&M Expenses (A+B) :	20.78	21.87	23.02	24.23	25.50

VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	20.67	21.75	22.90	24.10	25.36
O&M Expenses	20.67	21.75	22.90	24.10	25.36
B) Line O&M Expenses:					
Length (KMs)	11.68	11.68	11.68	11.68	11.68
Norm (Lakh/KM)	.369	0.388	0.409	.430	.453
O&M Expenses	4.31	4.53	4.78	5.02	5.29
Total O&M Expenses (A+B) :	24.98	26.28	27.68	29.12	30.65


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VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	20.67	21.75	22.90	24.10	25.36
O&M Expenses	20.67	21.75	22.90	24.10	25.36
B) Line O&M Expenses:					
Length (KMs)	48.70	48.70	48.70	48.70	48.70
Norm (Lakh/KM)	0.369	0.388	.409	.430	.453
O&M Expenses	17.97	18.90	19.92	20.94	22.06
Total O&M Expenses (A+B) :	38.64	40.65	42.82	45.04	47.42

VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	15.78	16.61	17.48	18.40	19.35
O&M Expenses	15.78	16.61	17.48	18.40	19.35
B) Line O&M Expenses:					
Length (KMs)	5.50	5.50	5.50	5.50	5.50
Norm (Lakh/KM)	.246	0.259	.272	.287	0.302
O&M Expenses	1.35	1.42	1.50	1.58	1.66
Total O&M Expenses (A+B) :	17.13	18.03	18.98	19.98	21.01


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**IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at
Pedagogathi SS**

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	15.78	16.61	17.48	18.40	19.35
O&M Expenses	15.78	16.61	17.48	18.40	19.35
B) Line O&M Expenses:					
Length (KMs)	22.00	22.00	22.00	22.00	22.00
Norm (Lakh/KM)	0.246	0.259	0.272	0.287	0.302
O&M Expenses	5.41	5.70	5.98	6.31	6.64
Total O&M Expenses (A+B) :	21.19	22.31	23.46	24.71	25.99

**X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur
SS**

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	1.000	1.000	1.000	1.000	1.000
Norm (Lakh/Bay)	15.78	16.61	17.48	18.40	19.35
O&M Expenses	15.78	16.61	17.48	18.40	19.35
B) Line O&M Expenses:					
Length (KMs)	1.20	1.20	1.20	1.20	1.20
Norm (Lakh/KM)	0.246	0.259	0.272	0.287	0.302
O&M Expenses	0.30	0.31	0.33	0.34	0.36
Total O&M Expenses (A+B) :	16.08	16.92	17.81	18.74	19.71


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XI. Asset 38&39- 400KV Veltloor - Uravakonda I & II

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	2.000	2.000	2.000	2.000	2.000
Norm (Lakh/Bay)	29.53	31.08	32.71	34.43	36.23
O&M Expenses	59.06	62.16	65.42	68.86	72.46
B) Line O&M Expenses:					
Length (KMs)	73.50	73.50	73.50	73.50	73.50
Norm (Lakh/KM)	1.291	1.359	1.430	1.506	1.585
O&M Expenses	94.89	99.89	105.11	110.69	116.50
Total O&M Expenses (A+B) :	153.95	162.05	170.53	179.55	188.96

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A) Bay O&M Expenses:					
No. of Bays (Nos.)	2.000	2.000	2.000	2.000	2.000
Norm (Lakh/Bay)	29.53	31.08	32.71	34.43	36.23
O&M Expenses	59.06	62.16	65.42	68.86	72.46
B) Line O&M Expenses:					
Length (KMs)	86.40	86.40	86.40	86.40	86.40
Norm (Lakh/KM)	1.291	1.359	1.430	1.506	1.585
O&M Expenses	111.54	117.42	123.55	130.12	136.94
Total O&M Expenses (A+B) :	170.60	179.58	188.97	198.98	209.40


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H. INTEREST ON WORKING CAPITAL:

38. In accordance with the Clause 1(d) of Regulation 34 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2024 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 transmission charges). The interest on working capital is considered @12.15% p.a. based on SBI base rate as on 01.04.2024 plus 350 basis points.

a) **The details of Interest on working capital claimed for Assets 1 to 37**

39. The details of Interest on working capital claimed for Assets 1 to 37 are shown vide **Annexure 12**.

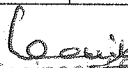
b) **The following are the details of asset wise interest on working capital for 4 Nos New and 11 Nos Modified assets:**

40. The details of asset wise interest on working capital for 4 New and 11 Modified assets is provided herein below:

I. Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	3.68	3.87	4.08	4.29	4.52
Maintenance Spares	6.63	6.97	7.34	7.72	8.13
Receivables	63.45	61.59	59.75	57.92	56.11
Total Working Capital	73.75	72.43	71.16	69.93	68.75
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	8.96	8.80	8.65	8.50	8.35


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II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	5.09	5.35	5.63	5.93	6.24
Maintenance Spares	9.16	9.64	10.14	10.68	11.23
Receivables	18.36	18.36	18.38	18.41	16.09
Total Working Capital	32.60	33.35	34.16	35.02	33.56
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	3.96	4.05	4.15	4.25	4.08

III. Asset 8B- LILO of 220KV KTPS - LSR 1 at AsupakaSS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	1.73	1.82	1.92	2.02	2.13
Maintenance Spares	3.12	3.28	3.46	3.64	3.83
Receivables	10.73	10.60	10.48	10.36	10.25
Total Working Capital	15.58	15.70	15.85	16.02	16.20
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	1.89	1.91	1.93	1.95	1.97

IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	2.06	2.17	2.29	2.41	2.53
Maintenance Spares	3.72	3.91	4.12	4.33	4.56
Receivables	49.23	47.95	46.67	45.41	44.14
Total Working Capital	55.02	54.04	53.08	52.15	51.24
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	6.68	6.57	6.45	6.34	6.23

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V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	1.73	1.82	1.92	2.02	2.12
Maintenance Spares	3.12	3.28	3.45	3.63	3.82
Receivables	3.25	3.37	3.50	3.64	3.78
Total Working Capital	8.10	8.48	8.88	9.29	9.73
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	0.98	1.03	1.08	1.13	1.18

VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	2.08	2.19	2.31	2.43	2.55
Maintenance Spares	3.75	3.94	4.15	4.37	4.60
Receivables	17.65	17.26	16.89	16.53	12.97
Total Working Capital	23.48	23.40	23.35	23.32	20.12
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	2.85	2.84	2.84	2.83	2.45

VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	3.22	3.39	3.57	3.75	3.95
Maintenance Spares	5.80	6.10	6.42	6.76	7.11
Receivables	80.83	78.39	75.97	73.56	71.17
Total Working Capital	89.84	87.87	85.96	84.07	82.24
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	10.92	10.68	10.44	10.21	9.99

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VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS*(Rs. in lakhs)*

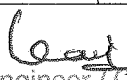
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	1.43	1.50	1.58	1.66	1.75
Maintenance Spares	2.57	2.71	2.85	3.00	3.15
Receivables	11.63	12.07	11.89	11.71	11.55
Total Working Capital	15.63	16.27	16.31	16.38	16.45
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	1.90	1.98	1.98	1.99	2.00

IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagopathi SS*(Rs. in lakhs)*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	1.77	1.86	1.96	2.06	2.17
Maintenance Spares	3.18	3.35	3.52	3.71	3.90
Receivables	62.55	60.21	58.52	56.84	55.16
Total Working Capital	67.50	65.42	63.99	62.60	61.22
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	8.20	7.95	7.78	7.61	7.44

X. Asset 37B- LILO of 132 KV A.P.Crbides to Gadwal at Alampur SS*(Rs. in lakhs)*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	1.34	1.41	1.48	1.56	1.64
Maintenance Spares	2.41	2.54	2.67	2.81	2.96
Receivables	4.91	4.90	4.21	4.28	4.36
Total Working Capital	8.67	8.85	8.36	8.65	8.96
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	1.05	1.08	1.02	1.05	1.09


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XI. Asset 38&39- 400KV Veltloor - Uravakonda I & II

(Rs. In lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	12.83	13.50	14.21	14.96	15.75
Maintenance Spares	23.09	24.31	25.58	26.93	28.34
Receivables	343.44	332.05	320.72	309.45	268.75
Total Working Capital	379.36	369.86	360.51	351.35	312.84
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	46.09	44.94	43.80	42.69	38.01

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

(Rs. in lakhs)

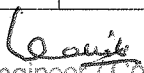
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
O & M Expenses	14.22	14.96	15.75	16.58	17.45
Maintenance Spares	25.59	26.94	28.35	29.85	31.41
Receivables	415.63	401.64	387.69	373.83	320.70
Total Working Capital	455.44	443.54	431.79	420.26	369.56
Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
Interest on Working Capital	55.34	53.89	52.46	51.06	44.90

41. The summarized details of Year Wise Transmission Charges for 4 New and 11 Modified assets:

I. Asset 2B - LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	172.26	172.26	172.26	172.26	172.26
Interest on Loan	105.42	88.20	70.97	53.75	36.52
Return on Equity	183.82	183.82	183.82	183.82	183.82
Interest on Working Capital	8.96	8.80	8.65	8.50	8.35
O & M Expenses	44.17	46.48	48.91	51.48	54.18
Total	514.63	499.56	484.61	469.80	455.13


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II. Asset 4B& 5B - LILO of VTPS to Malkaram – I&II at Suryapet SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	33.01	33.01	33.01	32.90	12.82
Interest on Loan	15.69	12.39	9.08	5.79	3.50
Return on Equity	35.23	35.23	35.23	35.23	35.23
Interest on Working Capital	3.96	4.05	4.15	4.25	4.08
O & M Expenses	61.04	64.24	67.61	71.17	74.89
Total	148.93	148.92	149.08	149.34	130.51

III. Asset 8B- LILO of 220KV KTPS - LSR 1 at Asupaka SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	21.73	21.73	21.73	21.73	21.73
Interest on Loan	19.43	17.25	15.08	12.91	10.73
Return on Equity	23.19	23.19	23.19	23.19	23.19
Interest on Working Capital	1.89	1.91	1.93	1.95	1.97
O & M Expenses	20.79	21.88	23.04	24.24	25.51
Total	87.04	85.97	84.97	84.03	83.14

IV. Asset 9B- LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	116.22	116.23	116.23	116.23	116.23
Interest on Loan	127.65	116.04	104.42	92.80	81.17
Return on Equity	124.02	124.03	124.03	124.03	124.03
Interest on Working Capital	6.68	6.57	6.45	6.34	6.23
O & M Expenses	24.78	26.08	27.44	28.89	30.40
Total	399.35	388.95	378.58	368.29	358.07


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V. Asset 11B- LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS*(Rs. in lakhs)*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	1.61	1.61	1.61	1.61	1.61
Interest on Loan	1.32	1.15	0.99	0.83	0.67
Return on Equity	1.71	1.71	1.71	1.71	1.71
Interest on Working Capital	0.98	1.03	1.08	1.13	1.18
O & M Expenses	20.78	21.87	23.02	24.23	25.50
Total	26.40	27.37	28.41	29.51	30.67

VI. Asset 20B- LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS*(Rs. in lakhs)*

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	44.01	44.01	44.01	44.01	17.09
Interest on Loan	24.34	19.94	15.54	11.14	8.08
Return on Equity	46.96	46.96	46.96	46.96	46.96
Interest on Working Capital	2.85	2.84	2.84	2.83	2.45
O & M Expenses	24.98	26.28	27.68	29.12	30.65
Total	143.14	140.03	137.02	134.06	105.23


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VII. Asset 21B- LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	215.45	215.45	215.45	215.45	215.45
Interest on Loan	160.70	139.15	117.61	96.06	74.52
Return on Equity	229.92	229.92	229.92	229.92	229.92
Interest on Working Capital	10.92	10.68	10.44	10.21	9.99
O & M Expenses	38.64	40.65	42.82	45.04	47.42
Total	655.62	635.84	616.24	596.68	577.30

VIII. Asset 26B- LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

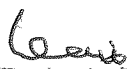
(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	22.58	24.02	24.02	24.02	24.02
Interest on Loan	28.62	28.20	25.80	23.40	21.00
Return on Equity	24.09	25.63	25.63	25.63	25.63
Interest on Working Capital	1.90	1.98	1.98	1.99	2.00
O & M Expenses	17.13	18.03	18.98	19.98	21.01
Total	94.31	97.87	96.41	95.02	93.66

IX. Asset 31B- LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	148.70	147.21	147.21	147.21	147.21
Interest on Loan	170.61	153.84	139.12	124.39	109.67
Return on Equity	158.68	157.09	157.09	157.09	157.09
Interest on Working Capital	8.20	7.95	7.78	7.61	7.44
O & M Expenses	21.19	22.31	23.46	24.71	25.99
Total	507.39	488.40	474.66	461.02	447.41


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X. Asset 37B- LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	9.52	9.52	3.70	3.70	3.70
Interest on Loan	3.05	2.10	1.44	1.07	0.70
Return on Equity	10.16	10.16	10.16	10.16	10.16
Interest on Working Capital	1.05	1.08	1.02	1.05	1.09
O & M Expenses	16.08	16.92	17.81	18.74	19.71
Total	39.86	39.78	34.12	34.72	35.36

XI. Asset 38&39- 400KV Veltoor - Uravakonda I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	992.91	992.91	992.91	992.91	744.96
Interest on Loan	533.15	433.86	334.57	235.28	148.39
Return on Equity	1059.57	1059.57	1059.57	1059.57	1059.57
Interest on Working Capital	46.09	44.94	43.80	42.69	38.01
O & M Expenses	153.95	162.05	170.53	179.55	188.96
Total	2785.67	2693.32	2601.37	2510.00	2179.88

XII. Asset 40&41- 400KV Suryapeta -KV Kota I & II

(Rs. in lakhs)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Depreciation	1210.57	1210.57	1210.57	1210.57	879.86
Interest on Loan	642.93	521.88	400.82	279.76	175.24
Return on Equity	1291.84	1291.84	1291.84	1291.84	1291.84
Interest on Working Capital	55.34	53.89	52.46	51.06	44.90
O & M Expenses	170.60	179.58	188.97	198.98	209.40
Total	3371.28	3257.75	3144.66	3032.21	2601.24


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A copy of the detailed calculations for Annual Transmission charges for 4 new and 11 modified assets is attached herewith and marked as **Annexure P-13**.

42. Based on the above, the following are Yearly Transmission Charges for 41 Inter State Transmission Lines along with 4 New and 11 Modified assets for the period from FY 2024-25 to FY 2028-29:

(Rs. in lakhs)

S. No	Asset No.	Asset Name	2024-25	2025-26	2026-27	2027-28	2028-29
1	Asset 1	400 KV Srisaillam - Kurnool	37.98	39.65	41.39	36.84	38.77
2	Asset 2A	400 KV Kalpaka - Asupaka (Part of Old Line 400 KV Kalpaka - Khammam -I)	61.01	63.03	65.15	67.39	69.74
	Asset 2B	LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS	514.63	499.56	484.61	469.8	455.13
3	Asset 3	400 KV Kalpaka - Khammam - II	413.93	418.83	423.94	429.27	414.06
4	Asset 4A&5A	400 KV VTPS - Suryapet- I & II (part of Old Main Line 400KV VTPS - Malkaram - I&II)	1014.10	981.35	724.81	716.29	708.10
	Asset 4B&5B	LILO of VTPS to Malkaram -	148.93	148.92	149.08	149.34	130.51

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		I & II at Suryapet SS					
5	Asset 6&7	400 KV Srisaillam - Sattenapalli Ckt I&II	62.92	66.17	68.70	72.31	76.09
6	Asset 8A	220 KV Asupaka- Lower Sileru (Part of Old Line 220 KV Lower Sileru - KTPS - I)	25.43	26.76	28.17	29.65	31.20
	Asset 8B	LILO of 220KV KTPS to LSR I at Asupaka SS	87.04	85.97	84.97	84.03	83.14
7	Asset 9A	220 KV BG Kothur- Chinthuru (Part of Old Line 220 KV Lower Sileru – KTPS-II)	25.10	26.41	27.80	29.26	30.79
	Asset 9B	LILO of 220KV Lower Sileru- KTPS at BG kottur SS	399.35	388.95	378.58	368.29	358.07
8	Asset 10	220 KV Srisaillam - Dindi - I	52.40	55.11	58.07	61.07	64.31
9	Asset 11A	220 KV Srisaillam – Domalapenta (part of old line 220 KV Srisaillam – Dindi - II)	-	-	-	-	-
	Asset 11B	LILO of 220 KV Srisaillam – Dindi – II at	26.4	27.37	28.41	29.51	30.67


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		Domalapenta SS					
10	Asset 12	220 KV Tallapalli - Nagarjunasagar - III	22.61	23.79	25.04	26.36	27.74
11	Asset 13&14	220 KV Tallapalli - Nagarjunasagar - I & II	43.97	46.26	48.71	51.26	53.94
12	Asset 15	220 KV N'Sagar Receiving Station - Srisaillam (SC) Line	22.61	23.79	25.04	26.36	27.74
13	Asset 16	220 KV Nunna - KTPS	38.13	40.13	42.21	44.47	46.80
14	Asset 17	220 kV Tandur - Sedam	81.70	83.28	84.94	35.23	37.07
15	Asset 18	220 KV Tallapalli - Chalakurthy	64.81	66.31	67.89	69.57	71.31
16	Asset 19	220 KV Brahmnaotkur - Wanaparthi (LIS)	151.12	151.54	153.47	155.96	158.50
17	Asset 20A	220 KV Chillakallu - Suryapeta (part of old line 220 KV Chillakallu-Narketpally - I)	52.43	33.15	34.87	36.73	38.65
	Asset 20B	LIL of 220 KV Chillakallu to Narketpally - I at Suryapeta SS	143.14	140.03	137.02	134.06	105.23

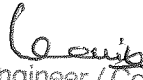

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18	Asset 21A	220 KV Chillakallu - Pulichintala (Part of Old Line 220KV Chillakallu- Narketpally - II)	36.74	27.60	29.04	30.58	32.18
	Asset 21B	LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS	655.62	635.84	616.24	596.68	577.3
19	Asset 22	132 KV Chillakallu - Ramapuram	19.04	20.04	21.10	22.20	23.36
20	Asset 23&24	132KV Aswaraopet- T.Narsapur-I & II (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -I & II)	35.07	36.91	38.85	40.89	43.00
21	Asset 25	132 KV Nagarjunasagar - RCPH	18.45	19.42	20.44	21.52	22.63
22	Asset 26A	132KV Chillakallu- Pammy (Part of Old Line 132 KV Chillakallu- Kusumanchi)	20.90	22.00	23.16	24.37	25.64
	Asset 26B	LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS	94.31	97.87	96.41	95.02	93.66
23	Asset 27&28	132 KV Chillakallu - Bonakallu - I &II	34.03	35.82	37.69	39.68	41.73

24	Asset 29 A	132 KV Alampur– Kurnool – I (part of old line 132 KV A.P. Carbides – Alampur-I (Wanaparthy)	17.67	18.60	19.57	20.61	21.67
	Asset 29B	LILLO of AP Carbides – Wanaparthy at Alampur SS	17.57	18.45	19.38	20.36	21.37
25	Asset 30	132 KV Chillakallu - Madhira	25.77	26.73	27.73	28.80	22.41
26	Asset 31A	132KV Chillakallu- Pedagopathi (Part of Old Line 132 KV Chillakallu- Khammam)	42.66	43.81	45.00	40.74	26.82
	Asset 31B	LILLO of 132KV Chillakallu - Khammam at Pedagopathi SS	507.39	488.4	474.66	461.02	447.41
27	Asset 32	132 KV Chillakallu - Sitapuram	19.72	20.63	21.60	22.61	23.66
28	Asset 33	132 KV Chillakallu - Kodada	25.47	26.47	27.52	28.63	29.78
29	Asset 34	132 KV Sitapuram - KCP	17.06	17.92	18.82	19.79	20.79
30	Asset 35	132 KV Tangeda – New Wadapalli (part of old line 132 KV	18.57	19.41	20.29	21.25	22.26

		Tangeda - Wadapalli)					
31	Asset 36	132 KV Piduguralla – New Wadapalli (part of old line 132 KV Piduguralla – Wadapalli)	21.80	22.48	23.20	22.79	23.73
32	Asset 37A	132 KV A.P.Carbides - Alampur – II (part of old line 132 KV A.P.Carbides - Gadwal)	17.67	18.60	19.57	20.61	21.67
	Asset 37B	LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS	39.86	39.78	34.12	34.72	35.36
33	Asset 38&39	400KV Veltoor - Uravakonda I & II	2785.67	2693.32	2601.37	2510	2179.88
34	Asset 40&41	400KV Suryapeta -KV Kota I & II	3371.28	3257.75	3144.66	3032.21	2601.24
	Total:		11332.06	11044.24	10563.29	10278.13	9415.09
	Yearly Transmission Charges (Rs. in Crores)		113.32	110.44	105.63	102.78	94.15

43. It is submitted that the aforesaid calculations are in line with the order dated 03.02.2020 passed by this Hon'ble Commission in Petition No. 2/TT/2029 read with order dated 01.01.2024 passed in petition no. 325/TT/2022 and order dated 02.08.2024 passed in petition no. 127/TT/2022 filed by TG Transco.


 Chief Engineer / Comml. & RAC
 TGTRANSCO, Vidyut Soudha, Hyd-82

44. As per the CERC (Payment of Fees) Regulations, 2012, an application for determination of Tariff for Inter-state transmission system or in element thereof shall be accompanied by a fee payable at the rate of 0.11% of the total annual transmission charges claimed by the Licensee. Accordingly, the application fee for the annual transmission charges claimed by the petitioner for 41 nos. inter-state lines for the 5 year period from FY:2024-25 to FY:2028-29, rounded off to the nearest hundred works out to be Rs.55,25,200/- (Rupees Fifty Five Lakhs Twenty Five Thousand and Two Hundred Only) and the same has been paid through RTGS.

45. It is submitted that Regulation 94 of the CERC (Terms & Conditions of Tariff) Regulations, 2024 provides for reimbursement of the application fee and publication expenses. The said regulation reads as hereunder:

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

(1) The application filing fee and the expenses incurred on publication of notices in the application for approval of tariff, may at 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."

46. It is lastly submitted that in connection with Asset 17 : 220 KV Tandur - Sedam line, the Hon'ble Commission has considered the line length portion of Telangana as 9.46 KM whereas the actual line length of Telangana portion is 33.60 KM and the total line length is 43.70 KM. The same was ensured with Taurus fault locator Kit on 02.01.2020 in the

presence of KPTCL authorities. Hence it is requested to consider the Telangana's portion line length as 33.60 KM.

The rejoinder filed by TG Transco regarding the same in petition no. 127/TT/2022 is submitted *vide* **Annexure P-14**.

47. It is respectfully submitted that the pass-through adjustments in the present case are as under:

Petition No.	Period covered in the petition	No. of ISTS Lines covered	YTC Approved by CERC (Crores)	Amounts realized so far (Crores)
2/TT/2019	FY:2016-17	36	53.44	53.44
325/TT/2022	2014-2019	41	265.58	265.58
127/TT/2022	2019-2024	41	416.07	-
330/TT/2022	2014-2021	12 (deemed ISTS)	12.30	-
		TOTAL:	747.39	319.02

- A. TGTransco has already accounted ISTS Tariff of Rs. 319.02 Crs. approved by CERC vide orders in 2/TT/2019 & 325/TT/2022 in FY 2019-20 and FY 2023-24. Therefore, the revenue to this extent has been proposed for pass-through in Annual Tariff Petition FY 2025-26 to be filed before Hon'ble Telangana State ERC in November 2024.
- B. Further, the company has proposed for adjustment of ISTS Tariff of Rs. 428.37 Crs. approved by CERC vide orders 330/TT/2022 & 127/TT/2022 in FY 2024-25. Therefore, the revenue to this extent has been proposed for pass-through in Annual Tariff Petition FY 2026-27 to be filed before Hon'ble Telangana State ERC in November 2025.

- C. Hence, it is to submit that, the ISTS Transmission charges as approved by CERC till date have been considered for pass-through while arriving the intra-state transmission tariff petitions of FY 2025-26 & FY 2026-27 to be submitted to Telangana State ERC.
48. In light of the aforesaid submissions, this Hon'ble Commission may be pleased to allow the present petition in terms of the prayers mentioned herein below:

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 (Yearly Transmission Charges) of 41 nos. natural inter-state transmission lines / system connecting two states (40 ISTS lines between Telangana and Andhra Pradesh and one line between Telangana and Karnataka) for the TGTransco owned transmission lines / system for the period for the period FY:2024-25 to FY:2028-29.
- B. Approve the annual fixed charges for the assets covered under this petition.
- C. Approve the reimbursement of application fees and publication expenses in connection with the present petition, directly from the beneficiaries in accordance with Regulation 94 of the CERC (Terms & Conditions of Tariff) Regulations, 2024.


Chief Engineer / Comml. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

- D. In connection with Asset 17 : 220 KV Tandur - Sedam line, the Hon'ble Commission has considered the line length portion of Telangana as 9.46 KM whereas the action line length of Telangana portion is 33.60 KM and the total line length is 43.70 KM. The same was ensured with Taurus fault locator Kit on 02.01.2020 in the presence of KPTCL authorities. Hence it is requested to consider the Telangana's portion line length as 33.60 KM.
- E. The ISTS lines resulting from LILOs to existing ISTS lines is a combination of part of old line and new LILO line. Hence, it is prayed to consider both the parts (old line and new LILO portion) for determining Annual Tariff Charges since the whole line is used to transmit the ISTS power.
- F. 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 case and in the interest of justice.

Filed by



D. ABHINAV RAO

Advocate for the Petitioner

D-121, First Floor,

Defence Colony, New Delhi-110024

Ph: +91- 9818144867|011-46160505

Email: office.abhinavrao@gmail.com

Date: 31.11.2024



Chief Engineer / Comml. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

BEFORE THE CENTRAL ELECTRICITY, NEW DELHI

PETITION NO. _____ OF 2024

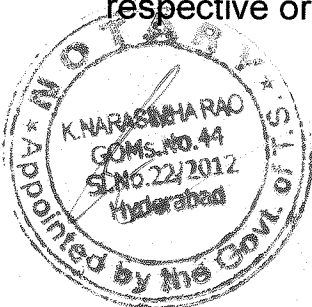
IN THE MATTER OF:Transmission Corporation of Telangana Ltd. ...Petitioner
(TGTRANSCO)

Versus

Transmission Corporation of Andhra Pradesh ...Respondents
Limited (APTRANSCO) & Anr.**AFFIDAVIT**

I, D. Praveen Maurice, S/o. Late D.C. Dhanraj Joseph, aged about 58 yrs, Occ: Chief Engineer/Commercial & RAC, TGTRANSCO, Office at Room No. 149, A Block, Vidyut Soudha, Khairatabad, Hyderabad, Telangana-500082, do hereby state on solemn affirmation as under:

1. That I am the authorized representative of the Petitioner in the abovementioned case and as such am fully conversant with the facts and circumstances of the case and hence, I am competent to affirm this affidavit on behalf of the Petitioner.
2. That I have read and understood the contents of the accompanying petition and have understood the contents thereof and I say that the same has been drafted under my instructions.
3. That the contents of the Petition are within my personal knowledge and are based on information received by me which I believe to be true.
4. That the annexures filed along the petition are true copies of their respective originals.



[Signature]
DEPONENT

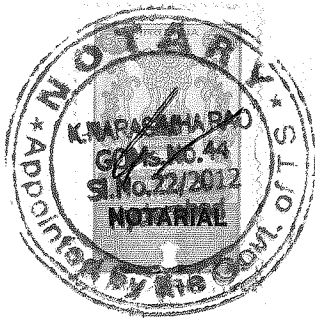
Chief Engineer / Comm. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

VERIFICATION

Verified at Hyderabad, on this 27th day, November, 2024, that contents of the above affidavit are true to my knowledge. No part of it is false and nothing material has been concealed therefrom.

Loori
DEPONENT

Chief Engineer / Comm. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

**ATTESTED**

K. Narasimha Rao
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

27/11/2024



भारत सरकार
केन्द्रीय विद्युत प्राधिकरण
दक्षिण क्षेत्रीय विद्युत समिति
29, रेस कोर्स क्रॉस रोड
बेंगलूर - 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/ 2281-83

दिनांक/ Dated: 11th June, 2020

सेवामें / To

Chief Engineer (Comml.&RAC),
TSTRANSCO, Vidyut Soudha,
Hyderabad-500082

Annexure P-1

Sub: Certification of natural inter-state lines owned by TSTRANSCO for consideration of inclusion in PoC Charges-Reg.

Ref: TSTRANSCO letter No: CE (Comml.&RAC) /SE(Plg) /DE(RAC)/RAC/ F.No. ISTS /D.No.06/2020 dated 27.05.2020

महोदय /Sir,

With reference to TSTRANSCO letter cited under reference above, requesting to certify TSTRANSCO owned ISTS lines to include in PoC Charges for the period FY 2019-20 to FY 2023-24, kind attention is invited to the definition of 'Yearly Transmission Charges' in CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations, 2010

Quote:

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

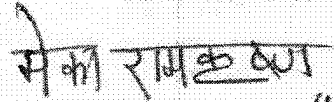
Provided that in case of non-ISTS lines, the asset-wise tariff determined by the respective State Commissions or approved by the Central Commission based on the approved Annual Revenue Requirement of STU, shall be used."

Unquote:

As such, certification from RPC is not required for the *owners of inter-State transmission lines connection between two States.*

Therefore, it is requested that TSTRANSCO may take up appropriately for inclusion of natural inter-State lines owned by TSTRANSCO for consideration of inclusion in PoC Charges.

Yours faithfully,


(मेका रामकृष्ण/ MEKA RAMAKRISHNA) 11/6/2020
अधीक्षण अभियन्ता(वा)/Superintending Engineer (C)

Copy To:

1. Joint Managing Director (Finance, Comml. & HRD), TSTRANSCO, Hyderabad
2. Chief Engineer (SLDC), TSTRANSCO, Hyderabad



TRANSMISSION CORPORATION OF TELANGANA LIMITED

VIDYUTSODHA :: HYDERABAD - 82

84

From

Chief Engineer (Comml.&RAC)
TSTRANSCO,
Vidyut Soudha,
Hyderabad – 500082.

To

✓ The Member Secretary,
Southern Regional Power Committee(SRPC),
Central Electricity Authority,
29, Race Course Road, X-Road
Bangaluru - 560009.

Lr. No. CE(Comml.&RAC)/SE(Plg)/DE(RAC)/RAC/F.No.ISTS/D.No.06/2020, Dt.27-05-2020

Sir,

Sub: TSTRANSCO – Certification of natural inter-state lines owned by TSTRANSCO which carry interstate power for consideration of inclusion in PoC charges – List of lines communicated – Reg.

Ref: SRPC Letter No.SRPC/SE-1/2019/5691-93 Dated: 11th September 2019

Vide reference cited above, the SRPC had certified natural ISTS lines of Telangana STU for the tariff block period FY2014-15 to FY2018-19.

It is now requested to arrange to certify the following lines as ISTS lines to include in PoC charges for the period FY2019-20 to FY 2023-24 for TSTRANSCO owned lines, the details of which were given at Annexure – I.

The rectifications/changes/modifications to TSTRANSCO owned ISTS lines were shown at Annexure – II, with a request to consider the same for arranging approval of ISTS lines for the FY2019-20 to FY2023-24.

Yours faithfully,

CHIEF ENGINEER
(Comml. & RAC.)

Encl: As above

Copy Submitted to:

Joint Managing Director(Finance, Comml. & HRD)/TSTRANSCO/Hyderabad.

Copy Communicated to:

Chief Engineer(SLDC)/TSTRANSCO/Hyderabad – with a request to pursue with SRPC, during meetings with them.

SE (C) MLL
10/6/2020
Sh. Krm/sh. ADT
EE
09/06/2020
EE

Natural Inter State Lines owned by Telangana STU
between Telangana – Andhra Pradesh and Telangana – Karnataka

Sl. No.	Name of the Line	Telangana Substation	D.O.C	Termination Date of operation for the Old Line, If it is modified	Total Line Length (in Ckt-KM)	Length of line in Ckt-KM (Telangana Portion)
1	400 KV Srisaillam - Kurnool (SC)	Srisaillam LB	06.03.2001	-	102.00	1.50
2	400 KV Kalpaka – Khammam – II	Khammam	10.05.2002	-	360.00	121.00
3	(a) 400 KV Kalpaka - Asupaka - I (Part of Old Line)/(Main line)	Asupaka	10.05.2002		264.50	8.50
	(b) LILO of Kalpaka to Asupaka SS	Asupaka	09.08.2017	-		17.00
4	400 KV Srisaillam - Sattenapalli Ckt I	Srisaillam LB	23.10.2000	(*)	166.00	0.40
5	400 KV Srisaillam - Sattenapalli Ckt II	Srisaillam LB	23.10.2000	(*)	166.00	0.40
6	(a) 400 KV VTPS - Suryapet - I (part of Old Line)/(Main line)	Suryapet	02.04.2013	-	129.00	54.66
	(b) LILO of VTPS to Suryapet SS	Suryapet	30.03.2016	-		2.00
7	(a) 400 KV VTPS - Suryapet - II (Part of Old Line) /(Main line)	Suryapet	02.04.2013	-	129.00	54.66
	(b) LILO of VTPS - Suryapet – II	Suryapet	14.04.2018			2.00
8	400 KV Uravakonda - Veltoor - I	Veltoor	17.11.2016	-	197.64	73.60
9	400 KV Uravakonda - Veltoor - II	Veltoor	18.11.2016	-	197.64	73.60
10	400kV Suryapeta - Kamavarapu Kota - I	Suryapet	20.10.2016	-	175.00	86.40
11	400kV Suryapeta - Kamavarapu Kota - II	Suryapet	20.10.2016	-	175.00	86.40
12	220 KV Lower Sileru - KTPS - I	KTPS	31.03.1967	-	141.17	81.00
13	220 KV Lower Sileru - KTPS - II	KTPS	31.03.1979	-	113.20	25.00
14	220 KV Srisaillam - Dindi - I	Dindi	12.09.1982	-	81.20	80.00
15	(a) 220 KV Srisaillam - Domalapenta (Part of Old Line) /(Main line)	Domalapenta	12.09.1982	-	1.66	0
	(b) LILO of Srisaillam - Domalapenta SS	Domalapenta	26.07.2019	-		0.30
16	220 KV Tallapalli - Nagarjunasagar - III	Nagarjunasagar	27.01.1985	-	15.00	4.00
17	220 KV Tallapalli - Nagarjunasagar - I	Nagarjunasagar	05.08.1985	-	12.10	2.10
18	220 KV Tallapalli - Nagarjunasagar - II	Nagarjunasagar	05.08.1985	-	12.10	2.10
19	220 KV N'Sagar Receiving Station - Srisaillam (SC) Line	N'Sagar Receiving Station	07.02.1989	-	90.00	4.00
20	220 KV Nunna - KTPS	KTPS	21.01.1992	-	125.60	64.45
21	220 KV Tallapalli - Chalakurthy	Chalakurthy	21.07.2007	-	38.40	27.40
22	220 KV Brahmnaotkur (LIS) – Wanaparthy	Wanaparthy	29.10.2009	-	97.64	78.79
23	(a) 220 KV Chillakallu - Suryapeta (Part of Old line) /(Main line)	Suryapet	29.03.1999	-	65.80	38.62
	(b) LILO of Chillakallu to Suryapeta SS	Suryapet	21.12.2016	-		11.68

Sl. No.	Name of the Line	Telangana Substation	D.O.C	Termination Date of operation for the Old Line, If it is modified	Total Line Length (In Ckt-KM)	Length of line In Ckt-KM (Telangana Portion)
24	(a) 220 KV Chillakallu - Pulichintala (Part of Old Line) /(Main line)	Pulichintala	29.03.1999	-	78.78	18.08
	(b) LILO of Chillakallu to Pulichintala SS	Pulichintala	05.12.2018	-		48.70
25	132 KV Chillakallu - Ramapuram	Ramapuram	21.10.1982	-	21.67	6.67
26	132 KV Kamavarapu Kota - Aswaraopet - I	Aswaraopet	09.06.1982	-	36.50	5.50
27	132 KV Kamavarapu Kota - Aswaraopet - II	Aswaraopet	09.06.1982	-	36.50	5.50
28	132 KV Nagarjunasagar - RCPH	Nagarjunasagar	25.02.1983	-	13.70	7.70
29	132 KV Chillakallu - Kusumanchi	Kusumanchi	24.12.1985	-	58.00	47.00
30	132 KV Chillakallu - Bonakallu - I	Bonakallu	20.01.1987	-	20.00	2.80
31	132 KV Chillakallu - Bonakallu - II	Bonakallu	20.01.1987	-	20.00	2.80
32	132 KV Chillakallu - Madhira	Madhira	27.10.2001	-	28.00	7.00
33	132 KV Chillakallu - Khammam	Khammam	02.12.2001	-	46.00	35.00
34	132 KV Chillakallu - Sitapuram	Sitapuram	06.04.2004	-	17.00	2.50
35	132 KV Chillakallu - Kodada	Kodada	10.06.2004	-	21.56	9.84
36	132 KV Sitapuram - KCP	Sitapuram	10.05.2010	-	2.40	0.37
37	132 KV Tangeda - Wadapalli	Wadapalli	26.08.2010	-	29.74	2.36
38	132 KV Piduguralla - Wadapalli	Wadapalli	22.02.2014	-	45.58	2.36
39	132 KV A.P.Carbides - Alampur - I : (a) 132 KV A.P.Carbides - Alampur - I (part of old line) /(Main line)	Alampur	20.01.1987	-	19.70	4.66
	(b) LILO of A.P.Carbides to Wanaparthy at Alampur SS	Alampur	17.05.2004	-		1.20
40	132 KV A.P.Carbides - Alampur - II : (a) 132 KV A.P.Carbides - Alampur - II (part of old line) /(Main line)	Alampur	13.01.2000	-	19.70	4.66
	(b) LILO of A.P.Carbides to Gadwal at Alampur SS	Alampur	06.09.2014	-		1.20
41	220 kv Tandur - Sedam S/C Line	Tandur	28.02.2001	-	44.70	33.60

ANNEXURE – II

Rectifications/Modifications in TSTRANSCO owned ISTS Lines

Sl. No.	Name of the Line	Telangana Substation	D.O.C	Termination Date of operation for the Old Line, if it is modified	Total Line Length (in Ckt-KM)	Length of line in Ckt-KM (Telangana Portion)
1	400 KV Srisailam - Sattenapalli Ckt I	Srisailam LB	23.10.2000	(*)	166.00	0.40
2	400 KV Srisailam - Sattenapalli Ckt II	Srisailam LB	23.10.2000	(*)	166.00	0.40
3	(a) 220 KV Chillakallu - Suryapeta (part of old line)	Suryapet	29.03.1999	-	65.80	38.62
	(b) LILO of Chillakallu to Suryapeta SS	Suryapet	21.12.2016	-		11.68
4	(a) 220 KV Chillakallu - Pulichintala (Part of Old Line)	Pulichintala	29.03.1999	-	78.78	18.08
	(b) LILO of Chillakallu to Pulichintala SS	Pulichintala	05.12.2018	-		48.70
5	220 kV Tandur - Sedam S/C Line	Tandur	28.02.2001	-	44.70	33.60

(*) The original Line is 400kV Srisailam – Nunna commissioned on 23-10-2000. And the same is made LILO at Sattenapalli on 12-02-2014. As there is no change in Telangana region, the COD of the line is taken as 23-10-2000 for Tariff Determination.

Annexure P-2

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009
Email: mssrpc@yahoo.com, srpc.operation@gmail.com	Phone: 080-22287205	Fax: 080-22259343
सं/No. SRPC/SE-O/ISTA/2019-20	दिनांक/ Date	13/07/2020

CERTIFICATE FOR AVAILABILITY OF INTER STATE TRANSMISSION SYSTEM

This is to certify that as per records the availability of the following element of TSTRANSCO for the period of April - 2019 to August - 2019 is as under:

Name of Transmission System	Month	Availability %
Inter-State AC System		
TSTRANSCO system	April 2019	99.63
	May 2019	99.10
	June 2019	99.85
	July 2019	99.90
	August 2019	99.83

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


(ए बालन / A Balan)

सदस्य सचिव/ Member Secretary

SI No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
Nil								

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2019-20 (beyond 2 trippings)	Actual outage hours of the tripping
1	Srisailam - Dindi - II		1	16.08
2	Lower Sileru - KTPS - I		6	25.15, 3.05, 6.6, 6.23, 5.87, 4.58
3	Nunna - KTPS		2	3.03, 3.62

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Kamavarapu kota - Suryapet I
2	400 kV Kamavarapu kota - Suryapet II
3	400 kV VTPS - Suryapet I
4	400 kV VTPS - Suryapet II
5	400 kV Kurnool - Srisaillam
6	400 kV Sattenapally - Srisaillam I
7	400 kV Sattenapally - Srisaillam II
8	400 kV Uravakonda - Veltoor I
9	400 kV Uravakonda - Veltoor II
10	400 kV Kalpaka - Asupaka
11	400 kV Kalpaka - Khammam
12	220 kV Tallapalli - Nagarjunasagar I
13	220 kV Tallapalli - Nagarjunasagar II
14	220 kV Tallapalli - Nagarjunasagar III
15	220 kV Chillakallu - Pulichintala
16	220 kV Srisaillam - Nagarjunasagar Receiving Station
17	220 kV Srisaillam - Dindi I (Lilo at Domalapenta wef 26.07.2019)
18	220 kV Srisaillam - Dindi II
19	220 kV LSR - KTPS I
20	220 kV LSR - KTPS II
21	220 kV Tallapalli - Chalakurthy
22	220 kV Brahmanakotkur - Wanaparthy
23	220 kV Nunna - KTPS
24	220 kV Chillakallu - Suryapet
25	132 kV N'Sagar - N'Sagar Right Canal
26	132 kV Piduguralla - Wadapalli
27	132 kV Tangeda - Wadapalli
28	132 kV Chillakallu - Kodada
29	132 kV Chillakallu - Ramapuram
30	132 kV Chillakallu - Sitapuram
31	132 kV Sitapuram - KCP Cements
32	132 kV Chillakallu - Madhira
33	132 kV Chillakallu - Khammam
34	132 kV Chillakallu - Kusumanchi
35	132 kV Chillakallu - Bonakallu I
36	132 kV Chillakallu - Bonakallu II
37	132 kV AP Carbides - Alampur 1
38	132 kV AP Carbides - Alampur 2
39	132 kV Kamavarapukota - Aswaraopet 1
40	132 kV Kamavarapukota - Aswaraopet 2
41	220 kV Sadem - Tandur

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009
Email: mssrpc@yahoo.com, srpc.operation@gmail.com	Phone: 080-22287205	Fax: 080-22259343
सं/No. SRPC/SE-O/ISTA/2019-20	दिनांक/ Date	24/08/2020

CERTIFICATE FOR AVAILABILITY OF INTER STATE TRANSMISSION SYSTEM

This is to certify that as per records the availability of the following element of TSTRANSCO for the period of **September - 2019 to November - 2019** is as under:

Name of Transmission System	Month	Availability %
Inter-State AC System		
TSTRANSCO system	September 2019	99.75
	October 2019	98.40
	November 2019	99.90

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(ए बालन / A Balan)

सदस्य सचिव/ Member Secretary

SI No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
Nil								

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2019-20 (beyond 2 trippings), during the period September 2019 to November 2019	Actual outage hours of the tripping
1	Srisailam - Dindi - II		1	6.98
2	Lower Sileru - KTPS - I		7	7, 8.87, 33.43, 5.47, 49.93, 8.12, 7.95
3	Nunna - KTPS		2	3.67, 1.12
4	Lower Sileru - KTPS - II		4	10.32, 27.95, 7.18, 69.97
5	Chillakallu - Pulichintala		1	17.8

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	401 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	401 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	401 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	221 kV Nagarjunasagar - Tallapalli II
14	222 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Dindi I (Lilo at Domalapenta wef 26.07.2019) - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV KTPS - LSR I
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	133 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	133 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	133 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009
Email: mssrpc@yahoo.com , srpc.operation@gmail.com	Phone: 080-22287205	Fax: 080-22259343
सं/No. SRPC/SE-O/ISTA/2019-20	दिनांक/ Date	04/12/2020

CERTIFICATE FOR AVAILABILITY OF INTER STATE TRANSMISSION SYSTEM

This is to certify that as per records the availability of the following element of TSTRANSCO for the period of **December - 2019 to March - 2020** is as under:

Name of Transmission System	Month	Availability %
Inter-State AC System		
TSTRANSCO system	December 2019	99.86
	January 2020	99.25
	February 2020	99.93
	March 2020	99.78

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


(ए बालन / A Balan)

सदस्य सचिव/ Member Secretary

Events shifted to TSTRANSCO account for the period DECEMBER 2019 to MARCH 2020

Sl No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
1	400 kV Suryapet - Kamavarapu kota I		2020-01-24	13:49	2020-01-24	18:44	4.92	Outage of TSTRANSCO element
2	400 kV Suryapet - Kamavarapu kota I		2020-01-26	12:37	2020-01-27	8:52	20.25	Outage of TSTRANSCO element
3	220 kV Dindi - Domalapenta		2020-01-13	14:55	2020-01-13	16:16	1.35	S/D of TSTRANSCO element
4	400 kV Asupaka - Kalpaka		2020-02-24	11:03	2020-02-24	16:31	5.47	S/D of TSTRANSCO element
5	132 KV Chilakallu - Sitapuram		2020-02-19	14:10	2020-02-19	15:02	0.87	S/D of TSTRANSCO element
6	220 kV KTPS - LSR I		2020-03-22	10:50	2020-03-22	18:03	7.22	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

Sl No	Element name	Event No	Number of trippings in the year 2019-20 (beyond 2 trippings), during the period December 2019 to March 2020	Actual outage hours of the tripping
1	Lower Sileru - KTPS - I		4	6.62, 20.23, 7.22, 5.47
2	Nunna - KTPS		1	3.63

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	401 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	401 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	401 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	221 kV Nagarjunasagar - Tallapalli II
14	222 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Dindi I (Lilo at Domalapenta wef 26.07.2019) - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV KTPS - LSR I
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	133 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	133 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	133 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेस कोर्स क्रॉस रोड बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru - 560 009
Email: mssrpc@yahoo.com , srpc.operation@gmail.com		Fax: 080-22259343
सं/No.	SRPC/SE-O/ISTA/2020-21/	दिनांक/ Date 31 st May 2021

CERTIFICATE FOR AVAILABILITY OF INTER STATE TRANSMISSION SYSTEM

This is to certify that as per records the availability of the following element of **TSTRANSCO** for the period of **April – 2020 to January- 2021** is as under:

Name of Transmission System	Month	Availability %
Inter-State AC System		
TSTRANSCO system	April 2020	99.61
	May 2020	99.11
	June 2020	99.14
	July 2020	99.02
	August 2020	98.97
	September 2020	99.49
	October 2020	99.57
	November 2020	99.76
	December 2020	99.86
	January 2021	99.30

The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019

The events shifted to TSTRANSCO account are at **Annexure-I**. The outages considered in compliance of Regulation-51 are at **Annexure-II**. The lines considered for availability calculation for TSTRANSCO ISTS system are at **Annexure-III**.



(एबालन / A Balan)

सदस्यसचिव/ Member Secretary

Events shifted to TSTRANSCO account for the period APRIL 2020 to JANUARY 2021

SI No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
1	220 kV Dindi - Srisaillam II		06-04-2020	13:16	06-04-2020	16:01	2.75	Outage of TSTRANSCO element
2	220 kV KTPS - LSR II		27-04-2020	12:38	27-04-2020	22:28	9.83	Outage of TSTRANSCO element
3	220 kV KTPS - LSR I		30-05-2020	11:56	30-05-2020	18:47	6.85	S/D of TSTRANSCO element
4	220 kV Pulichintala - Chillakallu		17-06-2020	01:18	17-06-2020	01:45	0.45	Outage of TSTRANSCO element
5	220 kV Pulichintala - Chillakallu		23-06-2020	18:59	24-06-2020	11:38	16.65	S/D of TSTRANSCO element
6	220 kV KTPS - LSR I		03-06-2020	07:47	03-06-2020	11:30	3.72	S/D of TSTRANSCO element
7	220 kV KTPS - LSR I		04-06-2020	08:36	04-06-2020	14:05	5.48	S/D of TSTRANSCO element
8	220 kV KTPS - LSR I		07-06-2020	07:50	07-06-2020	18:54	11.07	S/D of TSTRANSCO element
9	220 kV Asupaka - LSR		16-06-2020	07:47:00	16-06-2020	16:38:00	8.85	S/D of TSTRANSCO element
10	220 kV Asupaka - LSR		17-06-2020	06:56:00	17-06-2020	17:01:00	10.08	S/D of TSTRANSCO element
11	220 kV Asupaka - LSR		18-06-2020	08:37:00	18-06-2020	17:17:00	8.67	S/D of TSTRANSCO element
12	220 kV Asupaka - LSR		19-06-2020	07:33:00	19-06-2020	18:23:00	10.83	S/D of TSTRANSCO element
13	220 kV Asupaka - LSR		20-06-2020	09:58:00	20-06-2020	19:10:00	9.20	S/D of TSTRANSCO element
14	220 kV Asupaka - LSR		26-06-2020	08:20:00	26-06-2020	18:15:00	9.92	S/D of TSTRANSCO element
15	220 kV Asupaka - LSR		27-06-2020	07:25:00	27-06-2020	15:19:00	7.90	S/D of TSTRANSCO element
16	220 kV Asupaka - LSR		27-06-2020	20:19:00	27-06-2020	21:15:00	0.93	Outage of TSTRANSCO element
17	220 kV Asupaka - LSR		28-06-2020	08:41:00	28-06-2020	18:03:00	9.37	S/D of TSTRANSCO element
18	220 kV KTPS - Nunna		18-06-2020	11:34	18-06-2020	11:55	0.35	Outage of TSTRANSCO element
19	220 kV KTPS - Nunna		28-06-2020	14:36	28-06-2020	15:01	0.42	Outage of TSTRANSCO element
20	220 kV Suryapet - Chillakallu		13-06-2020	11:17	13-06-2020	12:14	0.95	S/D of TSTRANSCO element
21	400 kV Veltoor - Uravakonda I		01-07-2020	13:03	03-07-2020	10:20	45.28	Outage of TSTRANSCO element

22	400 kV Veltoor - Uravakonda I		03-07-2020	10:20	03-07-2020	18:02	7.70	S/D of TSTRANSCO element
23	220 kV Pulichintala - Chillakallu		18-07-2020	03:24	18-07-2020	17:10	13.77	Outage of TSTRANSCO element
24	220 kV Chalakurthy - Tallapalli		03-07-2020	16:30	03-07-2020	17:50	1.33	S/D of TSTRANSCO element
25	220 kV Chalakurthy - Tallapalli		23-07-2020	10:32	23-07-2020	12:56	2.40	S/D of TSTRANSCO element
26	400 kV Veltoor - Uravakonda I		25-08-2020	09:38	25-08-2020	16:47	7.15	S/D of TSTRANSCO element
27	400 kV Veltoor - Uravakonda I		27-08-2020	10:04	27-08-2020	16:53	6.82	S/D of TSTRANSCO element
28	400 kV Veltoor - Uravakonda II		01-08-2020	10:58	01-08-2020	15:44	4.77	S/D of TSTRANSCO element
29	400 kV Veltoor - Uravakonda II		25-08-2020	09:13	25-08-2020	16:15	7.03	S/D of TSTRANSCO element
30	220 kV Pulichintala - Chillakallu		04-08-2020	00:08	04-08-2020	14:00	13.87	Outage of TSTRANSCO element
31	220 kV Pulichintala - Chillakallu		03-12-2020	23:28	04-12-2020	14:08	14.67	Outage of TSTRANSCO element
32	220 kV Asupaka - LSR		06-12-2020	12:33	06-12-2020	13:46	1.22	Outage of TSTRANSCO element
33	132 kV Sitapuram - Chillakallu		11-12-2020	16:20	11-12-2020	18:10	1.83	S/D of TSTRANSCO element
34	400 kV Suryapet - VTPS I		21-01-2021	17:16	21-01-2021	17:46	0.50	S/D of TSTRANSCO element
35	400 kV Suryapet - VTPS II		23-01-2021	16:56	23-01-2021	21:50	4.90	S/D of TSTRANSCO element
36	400 kV Veltoor - Uravakonda I		23-01-2021	13:35	24-01-2021	08:56	19.35	S/D of TSTRANSCO element
37	400 kV Veltoor - Uravakonda II		02-01-2021	10:15	02-01-2021	19:28	9.22	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2020-21 (beyond two trippings), during the period April 2020 to January 2021	Actual outage hours of the tripping
1	220 kV KTPS - Nunna		10	1.98, 3.20, 3.30, 1.15, 0.80, 0.52, 5.87, 0.90, 0.53, 0.5
2	220 kV Pulichintala - Chillakallu		9	20.53, 8.05, 13.87, 0.75, 0.58, 0.60, 0.97, 0.90, 14.67
3	220 kV KTPS - LSR I		4	1.43, 3.97, 7.97, 6.28,
4	220 kV Asupaka - LSR		15	0.68, 0.68, 18, 1.78, 2.10, 1.20, 0.57, 0.53, 1.15, 0.73, 0.87, 0.57, 0.80, 0.60, 1.22
5	220 kV KTPS - LSR II		6	0.53, 1.22, 1, 4.58, 4.22, 3.02
6	132 kV Kusumanchi - Chillakallu		6	33.78, 1.02, 0.67, 1.07, 1.92, 0.68
7	132 kV Khammam - Chillakallu		2	1.08, 8.15
8	220 kV Suryapet - Chillakallu		1	3.2

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV KTPS (Lilo at Asupaka) - LSR I
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति बेंगलूर- 560 009	 सत्यमेव जयते	Government of India Central Electricity Authority Southern Regional Power Committee Bangalore- 560 009
Email: mssrpc@yahoo.com , srpc.operation@gmail.com	Phone: 080-22287205	Fax: 080-22259343
सं/No. SRPC/SE-O/ISTA/2020-21	दिनांक/ Date	05/08/2021

CERTIFICATE FOR AVAILABILITY OF INTER STATE TRANSMISSION SYSTEM

This is to certify that as per records the availability of the following element of TSTRANSCO for the period of **February - 2021** to **March - 2021** is as under:

Name of Transmission System	Month	Availability %
Inter-State AC System		
TSTRANSCO system	February 2021	99.32
	March 2021	99.76

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


(ए. बलान / A. Balan)

सदस्य सचिव/ Member Secretary

Events shifted to TSTRANSCO account for the period FEBRUARY 2021 to MARCH 2021

SI No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
1	132 kV Aswaraopet - Kamavarapukota I		2021-02-18	10:30	2021-02-18	14:02	3.53	S/D of TSTRANSCO element
2	132 kV Wadapalli - Piduguralla		2021-03-19	11:35	2021-03-19	18:25	6.83	S/D of TSTRANSCO element
3	132 kV Wadapalli - Tangeda		2021-03-19	11:30	2021-03-19	18:18	6.80	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2020-21 (beyond 2 trippings), during the period February 2021 to March 2021	Actual outage hours of the tripping
1	220 kV KTPS - Nunna		5	0.27, 0.67, 0.47, 4.05, 0.30
2	220 kV Asupaka - LSR		4	0.73, 0.7, 6.27, 5.23
3	132 kV Kusumanchi - Chillakallu		1	0.38

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV KTPS (Lilo at Asupaka) - LSR I
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

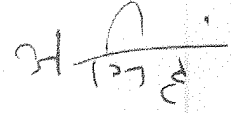
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलूर- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bangalore- 560 009
Email: mssrpc@yahoo.com, srpc.operation@gmail.com	Phone: 080-22287205	Fax: 080-22259343
सं/No. SRPC/SE-O/ISTA/2021-22	दिनांक/ Date	07/03/2022

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the following element of TSTRANSCO for the period of **April 2021** to **June 2021** is as under:

Name of Transmission System	Month	Availability %
TSTRANSCO system	April 2021	99.14
	May 2021	99.45
	June 2021	99.95

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period APRIL - 2021 to JUNE - 2021

SI No	Element Name	Event No	Trip Date	Trip Time	Rest Date	Rest Time	Outage Hrs	Reason
1	400 kV Srisailam - Kurnool		2021-04-27	9:19	2021-04-27	17:46	8.45	S/D of TSTRANSCO element
2	400 kV Khammam - Kalpaka		2021-04-13	13:02	2021-04-13	13:29	0.45	Outage of TSTRANSCO element
3	400 kV Khammam - Kalpaka		2021-04-22	12:00	2021-04-22	17:13	5.22	Outage of TSTRANSCO element
4	400 kV Khammam - Kalpaka		2021-04-25	11:21	2021-04-25	20:16	8.92	Outage of TSTRANSCO element
5	220 kV Domalapenta - Srisailam		2021-04-15	15:55	2021-04-16	9:30	17.58	Outage of TSTRANSCO element
6	220 kV Dindi - Srisailam II		2021-04-20	16:15	2021-04-21	12:28	20.22	Outage of TSTRANSCO element
7	220 kV KTPS - LSR II		2021-04-15	4:05	2021-04-15	5:51	1.77	Outage of TSTRANSCO element
8	220 kV KTPS - LSR II		2021-04-23	15:34	2021-04-23	18:57	3.33	Outage of TSTRANSCO element
9	220 kV KTPS - LSR II		2021-05-21	14:50	2021-05-21	20:48	5.97	Outage of TSTRANSCO element
10	220 kV Asupaka - LSR		2021-05-25	13:20	2021-05-25	14:26	1.10	Outage of TSTRANSCO element
11	220 kV KTPS - Nunna		2021-05-03	11:47	2021-05-03	17:17	5.50	Outage of TSTRANSCO element
12	132 kV Kodada - Chillakallu		2021-05-18	22:39	2021-05-19	1:40	3.02	S/D of TSTRANSCO element
13	132 kV Kodada - Chillakallu		2021-05-19	1:40	2021-05-19	1:48	0.13	S/D of TSTRANSCO element
14	132 kV Kodada - Chillakallu		2021-05-19	1:48	2021-05-19	17:13	15.42	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

SI No	Element name	Event No	Number of trippings in the year 2021-22 (beyond 2 trippings), during the period April 2021 to June 2021	Actual outage hours of the tripping
1	400 kV Khammam - Kalpaka		1	8.92
2	220 kV KTPS - Nunna		7	6.83, 0.73, 1.47, 0.47, 5.50, 1.12, 0.28
3	220 kV KTPS - LSR II		1	5.97
4	220 kV Asupaka - LSR		3	0.68, 1.1, 0.40

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthi - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc@yahoo.com, srpc.operation@gmail.com		Phone: 080-22287205
सं/No	SRPC/SE-O/ISTA/2021-22	दिनांक/ Date 18/07/2022

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of July 2021 to September 2021 is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	July 2021	99.54
	August 2021	99.24
	September 2021	99.47

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period JULY - 2021 to SEPTEMBER - 2021

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 KV Suryapet- KV Kota-1		2021-07-05 18:32	2021-07-05 21:09	2.62	Outage of TSTRANSCO element
2	220 kV Pulichintala - Chillakallu		2021-07-02 8:44	2021-07-02 17:14	8.50	S/D of TSTRANSCO element
3	400 kV Asupaka - Kalpaka		2021-08-23 17:04	2021-08-23 21:29	4.42	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2021-22 (beyond 2 trippings), during the period July 2021 to Sep 2021	Actual outage hours of the tripping
1	220 kV KTPS - Nunna		5	5.65, 0.37, 0.40, 0.95, 0.58
2	220 kV KTPS - LSR II		2	8.47, 6.63
3	220 kV Asupaka - LSR		6	0.40, 3.82, 1.40, 0.45, 0.58, 16.20
4	220 kV Pulichintala - Chillakallu		11	0.47, 0.63, 0.43, 0.43, 0.68, 0.48, 0.42, 0.40, 0.27, 0.35, 0.97
5	132 kV Khammam - Chillakallu		4	0.37, 0.42, 4.53, 0.90
6	132 kV Kusumanchi - Chillakallu		6	0.28, 0.47, 0.48, 0.42, 0.38, 0.42
7	220 kV Suryapet - Chillakallu		1	0.28

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009	 सत्यमेव जयते	Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2021-22	दिनांक/ Date	30/01/2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **October 2021** to **March 2022** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	October 2021	99.29
	November 2021	99.66
	December 2021	99.88
	January 2022	99.45
	February 2022	99.91
	March 2022	99.82

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019

(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period OCTOBER - 2021 to MARCH - 2022

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	220 kV Nagarjunasagar Receiving Station - Srisailam		28-01-22 08:20	28-01-22 12:24	4.07	Outage of TSTRANSCO element
2	220 kV Chalakurthy - Tallapalli		13-01-22 19:50	16-01-22 16:42	68.87	Outage of TSTRANSCO element
3	400 kV Asupaka - Kalpaka		10-02-22 08:55	10-02-22 20:18	11.38	S/D of TSTRANSCO element
4	400 kV Suryapet - Kamavarapu kota II		31-03-22 10:14	31-03-22 12:32	2.30	S/D of TSTRANSCO element
5	400 kV Veltoor - Uravakonda II		18-03-22 13:18	18-03-22 14:20	1.03	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2021-22 (beyond 2 trippings), during the period October 2021 to March 2022	Actual outage hours of the tripping
1	220 kV Dindi - Srisailam II		1	3.67
2	220 kV KTPS - Nunna		2	0.75, 1.17
3	220 kV KTPS - LSR II		6	0.98, 6.70, 7.85, 0.70, 29.05, 6.30
4	220 kV Asupaka - LSR		6	0.58, 0.97, 0.35, 0.85, 0.42, 1.30
5	220 kV Pulichintala - Chillakallu		4	0.28, 0.33, 10.42, 0.63
6	132 kV Kusumanchi - Chillakallu		3	0.33, 0.23, 0.27
7	220 kV Suryapet - Chillakallu		1	1.93

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalipenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

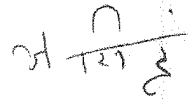
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No.	SRPC/SE-O/ISTA/2022-23	दिनांक/ Date 08.03.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **April 2022** is as under:

Name of Transmission System	Availability %
Natural ISTS lines of TSTRANSCO	99.74

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month APRIL - 2022

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - Kamavarapu kota I		01-04-22 11:23	01-04-22 13:54	2.52	S/D of TSTRANSCO element
2	132 kV Madhira - Chillakallu		30-04-22 06:57	30-04-22 12:40	5.72	S/D of TSTRANSCO element
3	132 kV Kusumanchi - Chillakallu		25-04-22 18:43	25-04-22 19:37	0.90	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

SI No	Element name	Event No	Number of trippings in the year 2022-23 (beyond 2 trippings), during the month April 2022	Actual outage hours of the tripping
Nil				

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV KTPS - LSR II
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
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41	220 kV Tandur - Sadem

Email/Website

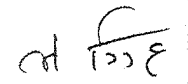
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2022-23	दिनांक/ Date	17.04.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **May 2022 to July 2022** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	May 2022	99.80
	June 2022	99.81
	July 2022	99.86

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period MAY 2022 to JULY 2022

Sl No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	220 kV Wanaparthi - Brahmanakotkur		01-05-22 18:25	01-05-22 19:20	0.92	Outage of TSTRANSCO element
2	220 kV Wanaparthi - Brahmanakotkur		05-05-22 22:06	05-05-22 22:15	0.15	Outage of TSTRANSCO element
3	132 kV Wadapalli - Tangeda		06-05-22 19:05	06-05-22 20:55	1.83	Outage of TSTRANSCO element
4	400 kV Suryapet - VTPS I		30-06-22 10:21	30-06-22 16:38	6.28	S/D of TSTRANSCO element
5	400 kV Asupaka - Kalpaka		08-06-22 02:12	08-06-22 14:47	12.58	Outage of TSTRANSCO element
6	132 kV Sitapuram - Chillakallu		20-06-22 15:53	20-06-22 16:54	1.02	S/D of TSTRANSCO element
7	220 kV KTPS - Nunna		28-07-22 15:47	28-07-22 19:27	3.67	S/D of TSTRANSCO element
8	132 kV Ramapuram - Chillakallu		18-07-22 15:40	18-07-22 17:54	2.23	S/D of TSTRANSCO element
9	132 kV Khammam - Chillakallu		26-07-22 19:10	26-07-22 19:24	0.23	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

SI No	Element name	Event No	Number of trippings in the year 2022-23 (beyond 2 trippings), during the period May 2022 to July 2022	Actual outage hours of the tripping
1	220 kV KTPS - Nunna		2	4.9, 1.42
2	220 kV Asupaka - LSR		1	1.3

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV KTPS - LSR II (liloed at B G Kothur) (220 kV KTPS - B G Kothur Commissioned on 30.06.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

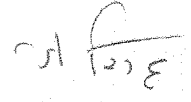
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2022-23	दिनांक/ Date	12.05.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **August 2022 to October 2022** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	August 2022	99.36
	September 2022	99.63
	October 2022	99.85

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period AUGUST 2022 to OCTOBER 2022

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	220 kV Wanaparthy - Brahmanakotkur		14-09-22 18:10	14-09-22 20:25	2.25	S/D of TSTRANSCO element
2	220 kV Wanaparthy - Brahmanakotkur		19-09-22 17:21	19-09-22 17:48	0.45	S/D of TSTRANSCO element
3	220 kV KTPS - Nunna		29-09-22 11:10	29-09-22 15:26	4.27	S/D of TSTRANSCO element
4	132 KV Chillakallu - Kodada		26-10-22 16:05	26-10-22 17:25	1.33	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2022-23 (beyond 2 trippings), during the period August 2022 to October 2022	Actual outage hours of the tripping
1	220 kV Pulichintala - Chillakallu		12	0.63, 0.57, 7.45, 6.50, 0.82, 0.48, 0.78, 0.43, 0.37, 0.53, 0.38, 0.83
2	220 kV Asupaka - LSR		5	0.42, 0.45, 0.75, 0.53, 0.43
3	132 KV Chilakallu - Khammam		1	16.72
4	220 kV Wanaparthy - Brahmanakotkur		1	0.58

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - LSR
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Khammam - Chillakallu
34	132 kV Kusumanchi - Chillakallu
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

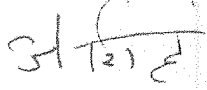
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Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2022-23	दिनांक/ Date	25.05.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **November 2022** to **January 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	November 2022	99.82
	December 2022	99.56
	January 2023	100.00

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period NOVEMBER 2022 to JANUARY 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		17-11-22 11:26	17-11-22 19:40	8.23	outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

Sl No	Element name	Event No	Number of trippings in the year 2022-23 (beyond 2 trippings), during the period November 2022 to January 2023	Actual outage hours of the tripping
1	400 kV Asupaka - Kalpaka		1	6.23
2	132 kV Kusumanchi - Chillakallu		1	0.52

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 KV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 KV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

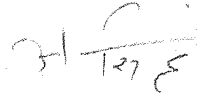
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2022-23	दिनांक/ Date	19.07.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **February 2023** to **March 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	February 2023	99.30
	March 2023	98.71

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period FEBRUARY 2023 to MARCH 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Veltoor - Uravakonda I		12-02-23 09:55	13-02-23 14:53	28.97	S/D of TSTRANSCO element
2	220 kV KTPS - Nunna		03-02-23 14:11	03-02-23 19:04	4.88	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2022-23 (beyond 2 trippings), during the period February 2023 to March 2023	Actual outage hours of the tripping
1	220 kV Pulichintala - Chillakallu		3	0.67, 0.63, 4.02
2	220 kV Wanaparthy - Brahmanakotkur		1	1.15
3	220 kV KTPS - Nunna		1	4.88
4	132 kV Ramapuram - Chillakallu		1	9.05

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	08.08.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **April 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	April 2023	99.81

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019

(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period APRIL 2023

Sl No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - VTPS I		4/24/2023 9:05	4/24/2023 14:00	4.92	S/D of TSTRANSCO element
2	400 kV Suryapet - VTPS II		4/27/2023 10:22	4/27/2023 18:25	8.05	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the period April 2023	Actual outage hours of the tripping
NIL				

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

Email/Website

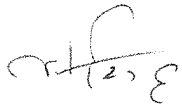
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No.	SRPC/SE-O/ISTA/2023-24	दिनांक/ Date
		25.08.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the period of **May 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	May 2023	89.24

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the period MAY 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - Kamavarapu kota I		19-05-23 23:30	21-05-23 14:10	38.67	Outage of TSTRANSCO element
2	220 kV Asupaka - LSR		17-05-23 14:19	17-05-23 15:31	1.20	Outage of TSTRANSCO element
3	400 kV Khammam - Kalpaka		01-05-23 00:00	01-06-23 00:00	744.00	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the period May 2023	Actual outage hours of the tripping
NIL				

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 KV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 KV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

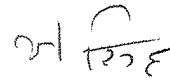
भारतसरकार केंद्रीयविद्युतप्राधिकरण दक्षिणक्षेत्रीयविद्युतसमिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	12.09.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **June 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	June 2023	89.86

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/Asit Singh)

सदस्यसचिव /Member Secretary

Events shifted to TSTRANSCO account for the month JUNE 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		6/1/2023 0:00	7/1/2023 0:00	720.00	Outage of TSTRANSCO element
2	132 kV Madhira - Chillakallu		6/14/2023 8:39	6/14/2023 12:58	4.32	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

SI No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month June 2023	Actual outage hours of the tripping
1	220 kV Asupaka - LSR		3	0.48, 0.9, 0.72

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 KV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 KV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

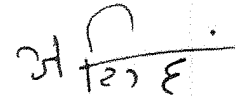
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	09.10.2023

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **July 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	July 2023	90.00

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month JULY 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		7/1/2023 0:00	8/1/2023 0:00	744.00	Outage of TSTRANSCO element
2	220 kV Pulichintala - Chillakallu		7/28/2023 13:30	7/28/2023 16:20	2.83	S/D of TSTRANSCO element
3	220 kV B G Kothur - Chinturu		7/27/2023 16:11	7/27/2023 21:38	5.45	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month July 2023	Actual outage hours of the tripping
Nil				

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 KV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 KV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - Kamavarapukota I
40	132 kV Aswaraopet - Kamavarapukota II
41	220 kV Tandur - Sadem

Email/Website

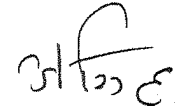
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	13.02.2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **August 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	August 2023	89.67

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month August 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		01-08-2023 00:00	01-09-2023 00:00	744.00	Outage of TSTRANSCO element
2	220 kV Nagarjunasagar Receiving Station - Srisailam		10-08-2023 16:42	10-08-2023 19:49	3.12	Outage of TSTRANSCO element
3	132 KV Chilakallu - Bonakallu ckt II		22-08-2023 05:55	22-08-2023 06:56	1.02	Outage of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month August 2023	Actual outage hours of the tripping
1	220 kV Asupaka - LSR		5	0.30, 1.18, 1.63, 0.70, 1.03

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Vellore - Uravakonda I
9	400 kV Vellore - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	132 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39A	132 kV Aswaraopet - Kamavarapukota I
39B	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40A	132 kV Aswaraopet - Kamavarapukota II
40B	132 kV Aswaraopet - T.Narsapuram II (LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

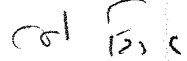
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	26-02-2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **September 2023** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	September 2023	89.85

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)
 सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month of September 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		2023-09-01 00:00	2023-10-01 00:00	720.00	Outage of TSTRANSCO element
2	220 kV Wanaparthy - Brahmanakotkur		2023-09-08 12:35	2023-09-08 16:53	4.30	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of September 2023	Actual outage hours of the tripping
1	220 kV Asupaka - LSR		2	0.48, 0.55
2	220 kV KTPS - Nunna		1	0.33

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailem - Kurnool
6	400 kV Srisailem - Sattenapally I
7	400 kV Srisailem - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailem
17	220 kV Domalapenta - Srisailem
18	220 kV Dindi - Srisailem II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II (LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

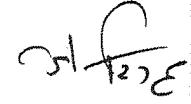
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	03-04-2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of October 2023 is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	October 2023	89.75

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019



(असित सिंह/ Asit Singh)

सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month of October 2023

Sl No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - VTPS I		09-10-2023 10:00	09-10-2023 18:03	8.05	S/D of TSTRANSCO element
2	400 kV Suryapet - VTPS II		11-10-2023 10:37	11-10-2023 18:04	7.45	S/D of TSTRANSCO element
3	400 kV Khammam - Kalpaka		01-10-2023 00:00	01-11-2023 00:00	744.00	Outage of TSTRANSCO element
4	132 kV Aswaraopet - T.Narsapuram I		30-10-2023 10:52	30-10-2023 12:35	1.72	S/D of TSTRANSCO element
5	132 kV Aswaraopet - T.Narsapuram II		30-10-2023 13:42	30-10-2023 14:21	0.65	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

SI No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of October 2023	Actual outage hours of the tripping
1	220 kV Asupaka - LSR		3	0.42, 8.25, 0.77
2	220 kV KTPS - Nunna		1	3.95

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Vellore - Uravakonda I
9	400 kV Vellore - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II (LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

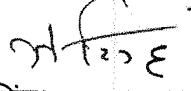
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	03-04-2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of November 2023 is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	November 2023	89.27

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)
 सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month of November 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - Kamavarapu kota II		17-11-2023 10:56	18-11-2023 18:00	31.07	S/D of TSTRANSCO element ✓
2	400 kV Khammam - Kalpaka		01-11-2023 00:00	01-12-2023 00:00	720.00	Outage of TSTRANSCO element ✓
3	220 kV Domalapenta - Srisaillam		21-11-2023 19:20	21-11-2023 19:39	0.32	S/D of TSTRANSCO element
4	220 kV Wanaparthy - Brahmanakotkur		20-11-2023 10:40	20-11-2023 13:14	2.57	S/D of TSTRANSCO element ✓
5	220 kV KTPS - Nunna		28-11-2023 10:16	28-11-2023 15:58	5.70	S/D of TSTRANSCO element
6	132 kV Ramapuram - Chillakallu		16-11-2023 09:59	16-11-2023 18:42	8.72	S/D of TSTRANSCO element
7	132 kV Sitapuram - Chillakallu		09-11-2023 10:42	09-11-2023 16:54	6.20	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019**Additional 12 hours outage considered in addition to the actual outage after two trippings in a year**

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of November 2023	Actual outage hours of the tripping
1	220 kV Asupaka - LSR		2	1.15, 0.72
2	220 kV KTPS - Nunna		1	3.95

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II ((LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

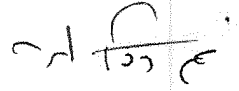
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	13-05-2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of December 2023 is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TSTRANSCO	December 2023	88.22

The events shifted to TSTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TSTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)
 सदस्य सचिव /Member Secretary

Events shifted to TSTRANSCO account for the month of December 2023

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		01-12-2023 00:00	01-01-2024 00:00	744.00	Outage of TSTRANSCO element
2	220 kV B G Kothur - Chinturu		20-12-2023 10:54	20-12-2023 15:50	4.93	S/D of TSTRANSCO element
3	220 kV Wanaparthy - Brahmanakotkur		16-12-2023 02:00	16-12-2023 03:22	1.37	Outage of TSTRANSCO element
4	220 kV Wanaparthy - Brahmanakotkur		28-12-2023 10:06	28-12-2023 12:32	2.43	S/D of TSTRANSCO element
5	220 kV KTPS - Nunna		05-12-2023 21:01	06-12-2023 06:53	9.87	Outage of TSTRANSCO element
6	220 kV KTPS - Nunna		31-12-2023 13:41	31-12-2023 14:06	0.42	Outage of TSTRANSCO element
7	220 kV Suryapet - Chillakallu		16-12-2023 10:51	16-12-2023 21:19	10.47	S/D of TSTRANSCO element
8	132 kV Ramapuram - Chillakallu		27-12-2023 20:10	27-12-2023 22:31	2.35	Outage of TSTRANSCO element
9	132 kV Ramapuram - Chillakallu		28-12-2023 12:45	28-12-2023 15:17	2.53	S/D of TSTRANSCO element
10	220 kV Tandur - Sadem		12-12-2023 09:10	12-12-2023 15:17	6.12	S/D of TSTRANSCO element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

SI No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of December 2023	Actual outage hours of the tripping
1	220 kV KTPS - Nunna		2	9.87, 0.42

Outage of transmission elements affecting evacuation of power from a Generating Station

SI No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TSTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 KV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 KV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II (LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

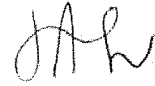
भारत सरकार केंद्रीय विद्युत प्राधिकरण दक्षिण क्षेत्रीय विद्युत समिति 29, रेसकोर्स क्रॉस रोड बेंगलुरु- 560 009		Government of India Central Electricity Authority Southern Regional Power Committee 29, Race Course Cross Road Bengaluru- 560 009
Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	05/09/2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TSTRANSCO for the month of **January 2024** is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TGTRANSCO	January 2024	89.92

The events shifted to TGTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TGTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)
 सदस्य सचिव /Member Secretary

Events shifted to TGTRANSCO account for the month of January 2024

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Khammam - Kalpaka		01-01-2024 00:00	01-02-2024 00:00	744.00	Outage of TG Transco element
2	220 kV Asupaka - LSR		12-01-2024 12:00	12-01-2024 12:32	0.53	Outage of TG Transco element
3	220 kV Asupaka - LSR		15-01-2024 13:19	15-01-2024 13:52	0.55	Outage of TG Transco element
4	220 kV Asupaka - LSR		15-01-2024 13:59	15-01-2024 14:44	0.75	Outage of TG Transco element
5	220 kV Tandur - Sadem		09-01-2024 10:12	10-01-2024 12:35	26.38	Shutdown of TG Transco element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of January 2024	Actual outage hours of the tripping
1	220KV ASUPAKA - LOWER SILERU		3	0.53, 0.55, 0.75

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

The following 41 ISTS lines are considered in the availability calculation of TGTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisailam - Kurnool
6	400 kV Srisailam - Sattenapally I
7	400 kV Srisailam - Sattenapally II
8	400 kV Veltoor - Uravakonda I
9	400 kV Veltoor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisailam
17	220 kV Domalapenta - Srisailam
18	220 kV Dindi - Srisailam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - AP Carbides I
38	132 kV Alampur - AP Carbides II
39	132 kV Aswaraopet - T Narsapuram I (LILOed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II (LILOed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

Email/Website

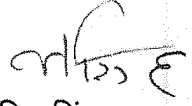
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Email: mssrpc-ka@nic.in, srpc.operation@gmail.com		Phone: 080-22287205
सं/No. SRPC/SE-O/ISTA/2023-24	दिनांक/ Date	14-10-2024

Certificate for Availability of Inter State Transmission System

This is to certify that as per records the availability of the 41 numbers of ISTS lines of TGTRANSCO for the month of February 2024 is as under:

Name of Transmission System	Month	Availability %
Natural ISTS lines of TGTRANSCO	February 2024	89.51

The events shifted to TGTRANSCO account are at Annexure-I. The outages considered in compliance of Regulation-51 are enclosed at Annexure-II. The lines considered for availability calculation for TGTRANSCO ISTS system are mentioned in Annexure-III. The above availability has been calculated as per the procedure specified in CERC (Terms & Conditions of Tariff) Regulations, 2019


 (असित सिंह/ Asit Singh)
 सदस्य सचिव /Member Secretary

Events shifted to TGTRANSCO account for the month of February 2024

SI No	Element Name	Event No	Trip Date & time	Rest Date & time	Outage Hrs	Reason
1	400 kV Suryapet - Kamavarapu kota I		05-02-2024 10:17	05-02-2024 20:38	10.35	S/D of TG Transco element
2	400 kV Khammam - Kalpaka		01-02-2024 00:00	01-03-2024 00:00	696.00	Outage of TG Transco element
3	220 kV Asupaka - LSR		08-02-2024 11:41	08-02-2024 12:17	0.60	Outage of TG Transco element
4	220 kV Asupaka - LSR		09-02-2024 11:37	09-02-2024 16:37	5.00	S/D of TG Transco element
5	132 kV Kodada - Chillakallu		22-02-2024 10:38	22-02-2024 14:29	3.85	S/D of TG Transco element

Compliance of Regulation 51 of CERC (Terms and Conditions of Tariff Regulations), 2019

Additional 12 hours outage considered in addition to the actual outage after two trippings in a year

Sl No	Element name	Event No	Number of trippings in the year 2023-24 (beyond 2 trippings), during the month of February 2024	Actual outage hours of the tripping
1	220KV ASUPAKA - LOWER SILERU		1	0.60
2	220 kV KTPS - Nunna		3	0.28, 4.73, 27.55

Outage of transmission elements affecting evacuation of power from a Generating Station

Sl No	Element name	Event No	Actual outage hours	Outage hour considered = 2x Actual outage hour
Nil				

Annexure - III

The following 41 ISTS lines are considered in the availability calculation of TGTRANSCO system:

Sl.No.	Name of the line
1	400 kV Suryapet - Kamavarapu kota I
2	400 kV Suryapet - Kamavarapu kota II
3	400 kV Suryapet - VTPS I
4	400 kV Suryapet - VTPS II
5	400 kV Srisaillam - Kurnool
6	400 kV Srisaillam - Sattenapally I
7	400 kV Srisaillam - Sattenapally II
8	400 kV Velloor - Uravakonda I
9	400 kV Velloor - Uravakonda II
10	400 kV Asupaka - Kalpaka
11	400 kV Khammam - Kalpaka
12	220 kV Nagarjunasagar - Tallapalli I
13	220 kV Nagarjunasagar - Tallapalli II
14	220 kV Nagarjunasagar - Tallapalli III
15	220 kV Pulichintala - Chillakallu
16	220 kV Nagarjunasagar Receiving Station - Srisaillam
17	220 kV Domalapenta - Srisaillam
18	220 kV Dindi - Srisaillam II
19	220 kV Asupaka - LSR
20	220 kV B G Kothur - Chinturu (Commissioned on 03.12.2022)
21	220 kV Chalakurthy - Tallapalli
22	220 kV Wanaparthy - Brahmanakotkur
23	220 kV KTPS - Nunna
24	220 kV Suryapet - Chillakallu
25	132 kV N'Sagar Right Canal - N'Sagar
26	132 kV Wadapalli - Piduguralla
27	132 kV Wadapalli - Tangeda
28	132 kV Kodada - Chillakallu
29	132 kV Ramapuram - Chillakallu
30	132 kV Sitapuram - Chillakallu
31	132 kV KCP Cements - Sitapuram
32	132 kV Madhira - Chillakallu
33	132 kV Peddagopathi - Chillakallu - II (commissioned on 23.12.2022)
34	133 kV Peddagopathi - Chillakallu - I (commissioned on 23.12.2022)
35	132 kV Bonakallu - Chillakallu I
36	132 kV Bonakallu - Chillakallu II
37	132 kV Alampur - Kurnool (earlier 132 kV Alampur - AP Carbides I) (LIL Oed on 01.02.2024 02:55 hrs)
38	132 kV Alampur - AP Carbides (earlier 132 kV Alampur - AP Carbides II)
39	132 kV Aswaraopet - T.Narsapuram I (LIL Oed from 02.08.2023 17:07 hrs)
40	132 kV Aswaraopet - T.Narsapuram II ((LIL Oed from 02.08.2023 17:08 hrs)
41	220 kV Tandur - Sadem

I/9079/2020



Annexure P-3

भारत सरकार

Government of India
विद्युत मंत्रालयMinistry of Power
केंद्रीय विद्युत प्राधिकरणCentral Electricity Authority
विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-II
Power System Planning & Appraisal Division-II

सेवा मे / To,

संलग्न सूची के अनुसार
As per list enclosed

विषय : दक्षिण क्षेत्र विद्युत् समिति (परेक्षण योजना) की पहली बैठक का कार्यवृत्त ।
Subject: 1st meeting of Southern Regional Power Committee (Transmission Planning)
(SRPCTP)- Minutes.

महोदय(Sir)/महोदया(Madam),

दक्षिण क्षेत्र विद्युत् समिति (परेक्षण योजना) की पहली बैठक 16 दिसम्बर, 2019 को हैदराबाद, में आयोजित की गई थी। इस बैठक के कार्यवृत्त की प्रति आपकी सूचना एवं आवश्यक कार्यवाही हेतु संलग्न है।।

The 1st meeting of Southern Regional Power Committee (Transmission Planning) [SRPC(TP)] was held on 16th December, 2019 at Hyderabad.

A copy of minutes of the meeting is enclosed for your information and necessary action.

भवदीय/Yours faithfully,

(प्रदीप जिंदल/ Pardeep Jindal)

मुख्य अभियंता/ Chief Engineer

Copy for kind information to:

1) PPS to Member PS, CEA

Transmission planning proposals by Telangana**15.0 Modifications in earlier approved Kaleshwaram Lift Irrigation scheme**

- 15.1 Director (PSPA-II), CEA, informed that the transmission system of Kaleshwaram Lift Irrigation scheme was approved in 40th SCPSPSR meeting held on 19.11.2016 and subsequently in 41st SCPSPSR meeting held on 22.09.2017. The scheme included establishment of 400 kV SS at Chandlapur, Medak District. As per minutes of 40th SCPSPSR, the capacity of motors to be installed at Chandlapur, Medak District, was 5x88.5 MW. TSTRANSCO vide letter dated 05.08.2019, has informed that the capacity of motors at Chandlapur, Siddipet District (new district formation due to re organization of districts), have been changed from 5x88.5 MW to 4x134.8 MW. Construction of 400 kV Chandlapur SS and associated lines have been completed and commissioned on 06.05.2019, duly considering the revised motor/pump capacity. TSTRANSCO has requested for ratification of the same.
- 15.2 The proposal was agreed in the joint study meeting and it was decided to put up the same for ratification in the meeting of SRPC(TP).
- 15.3 After deliberations, the proposal was agreed by the members.

16.0 Sita Rama Lift Irrigation Scheme - Proposal for LILO of 220 kV KTPS (TS) - Lower Sileru (AP)- I line at 220/11 kV V.K. Ramavaram LI SS and also at 400/220 kV Asupaka SS for providing additional source

- 16.1 Director (PSPA-II), CEA, informed that the transmission system for Sita Rama Lift Irrigation scheme was approved in 41st SCPSPSR meeting (held on 22.09.2017) with the following connectivity:
- i. 220 kV SS at Pump House - 1 (6x25 MW) at B.G: Kothur(V) Ashwapuram (M) in Bhadradri Kothagudem District
 - ii. 220/11 kV SS at Pump House - 2 (6x40 MW) at V.K. Ramavaram (V) Mulakalapally (M) in Bhadradri, Kothagudem District
 - iii. 400/220/11 kV SS (3x315 MVA) at Pump House 3 (5x40 MW+2x30 MW) Kamalapuram(V) Chandrugonda(M) in Bhadradri, Kothagudem District
 - iv. LILO of one circuit of KTPS - Manuguru 220 kV D/C Line to proposed Pump House -1 at B.G. Kothur (about 1 km).
 - v. LILO of KTPS V - Lower Sileru II 220 kV S/C Line to proposed Pump House -1 at B.G. Kothur (about length of 20 km).
 - vi. Julurupadu (400/220 kV S/S) - Pump House -3 (at Kamalapuram) 400 kV D/C line for a length of 50 km.

- vii. Pump House -3 (at Kamalapuram) -Pump House -2 (at V.K. Ramavaram), 220 kV D/C line (with Single Moose) for length of about 25 km.

16.2 TSTRANSCO vide letter dated 29.06.2019, has proposed the following additional connectivities/modifications in the transmission scheme of Sita Rama Lift Irrigation Scheme, to provide alternate source to 220/11 kV V.K. Ramavaram SS and 400/220/11 kV Kamalapuram SS.

- i. 220 kV Twin Moose DC line from 400/220/11 kV Kamalapuram LI SS to 220/11 kV V.K. Ramavaram LI SS – 25 km (instead of earlier approved 220 kV Single Moose DC line from 400/220/11 kV Kamalapuram LI SS to 220/11 kV V.K. Ramavaram LI SS – 25 km)
- ii. LILO of 220 kV KTPS (TS) - Lower Sileru (AP)- I ISTS line at 220 kV V.K. Ramavaram LI SS and also at 400/220 kV Asupaka SS

16.3 The proposal involves making LILO of 220 kV KTPS (TS) - Lower Sileru (AP)- I ISTS line. The proposal was agreed in the Joint Study meeting, subject to approval of APTRANSCO, SRLDC and SRPC.

16.4 APTRANSCO vide letter dated 13.12.2019, has agreed to the proposal of TSTRANSCO for making LILO of 220 kV KTPS (TS) - Lower Sileru (AP)- I line at 220/11 kV V.K. Ramavaram LI SS and also at 400/220 kV Asupaka SS.

16.5 After deliberations, the proposal was agreed by the members.

Transmission planning proposals by Karnataka

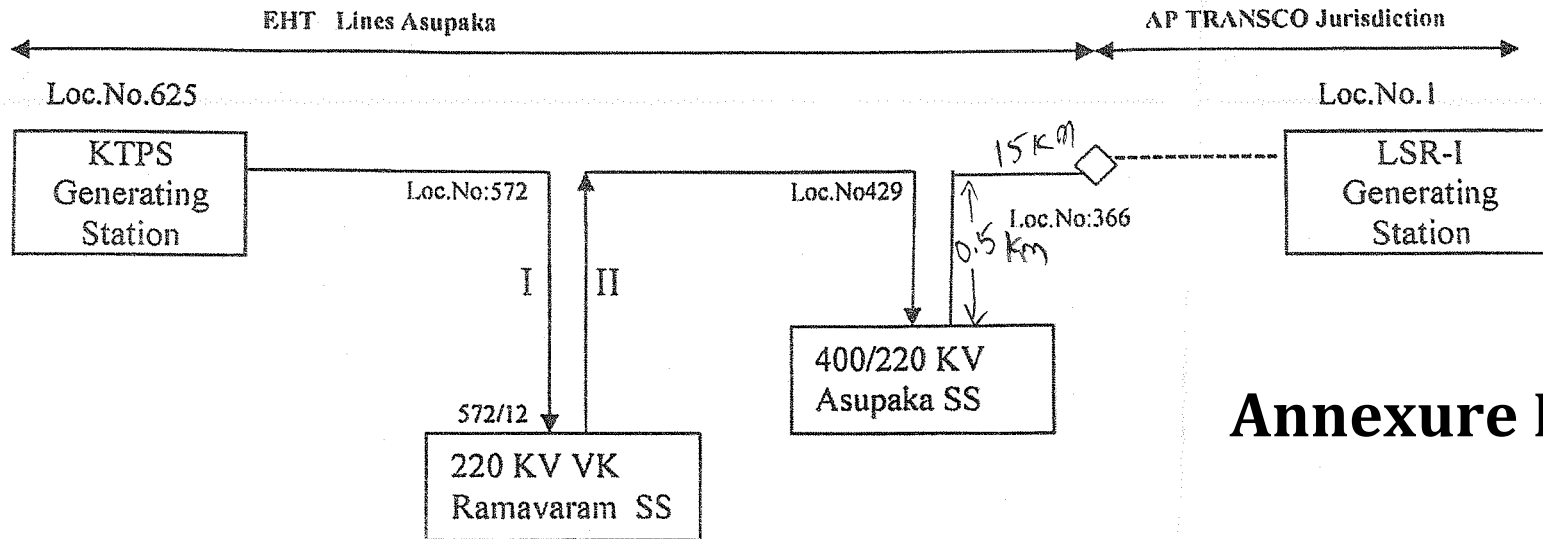
17.0 Bus reactor at 400/220 kV Jagalur substation

17.1 Director (PSPA-II), CEA, informed that establishing 2x500 MVA, 400/220 kV GIS sub-station at Jagalur was approved in the 39th meeting of SCPSPSR. In the minutes of the meeting, the provision for bus reactor at 400/220 kV Jagalur SS was not mentioned. In-house study had been carried out by KPTCL to check the necessity of providing bus reactors at 400 kV Jagalur substation. Based on the study results and also considering the “Manual on Transmission Planning criteria” by CEA, provision for 2x80 MVAR bus reactors at 400 kV Jagalur SS was incorporated in the scheme by KPTCL. The work of establishing 2x500 MVA, 400/220 kV GIS Substation at Jagalur along with 2x80 MVAR bus reactors was awarded by KPTCL on 29.07.2016.

17.2 Subsequently, in the 42nd SCPSPSR meeting held on 27th April, 2018, CTU had suggested to install 2x125 MVAR bus reactor at Jagalur to control over-voltage. Representative of KPTCL had informed that 2x80 MVAR bus reactors were already under installation at Jagalur and the proposed 2x125 MVAR reactors may be dropped.

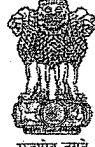
17.3 This issue was discussed in the Joint study meeting on 21-22 November, 2019, and in the meeting, KPTCL informed that the work of establishing 400/220 kV GIS Sub-station at Jagalur along with

3) 220KV KTPS to LSR – I SC line



Annexure P-4

S.No		Location No.	Jurisdictional Ckm
	EHT Lines SD, Asupaka	625-376	1 X 78 = 78
2	220 KV KTPS (LILO) -VK Ramavaram Feeder	625-571 571/12 (LILO)	1 X 18.5 = 18.5
3	220KV VK Ramavaram-Asupaka Feeder	571/12-429/C (lilo at 429)	1X44.5=44.5
4	220KV Asupaka-LSR-I Feeder	429/C-376	1 X 15 = 15
	Total Line length	376-625	1 x 156=156
	AP TRANSCO Jurisdiction	375-1	



भारत सरकार

Government of India

विद्युत मंत्रालय

Ministry of Power

केन्द्रीय विद्युत प्राधिकरण

Central Electricity Authority

विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-II

Power System Planning & Appraisal Division-II

Annexure P-5

सं.: 51/4/(41वीं)/वि.प्र.यो.मू- 2/2017/1569-82

दिनांक: 06 दिसंबर, 2017

No.: 51/4/(41st)/PSPA-II/2017/1569-82Dated: 06th December, 2017

सेवा मे /To,

संलग्न सूची के अनुसार
As per list enclosed

विषय: दक्षिणी क्षेत्र के लिए विद्युत प्रणाली योजना पर स्थायी समिति की 41 वीं बैठक का कार्यवृत्त।

Subject: Minutes of 41st meeting of Standing Committee on Power System Planning for Southern Region.

महोदय(Sir)/महोदया(Madam),

दक्षिणी क्षेत्र के लिए विद्युत प्रणाली योजना पर स्थायी समिति की 41 वीं बैठक 22 सितंबर 2017 को चेन्नई (तमिलनाडु) में आयोजित की गई थी। इस बैठक के कार्यवृत्त की प्रति आपकी सूचना एवं आवश्यक कार्यवाही हेतु संलग्न है।

The 41st meeting of the Standing Committee on Power System Planning of Southern Region was held on 22nd September 2017 at Chennai (Tamilnadu). A copy of minutes of the meeting is enclosed for your information and necessary action.

भवदीय/Yours faithfully,

(बी.एस. बैरवा/B.S. Bairwa)

निदेशक/Director

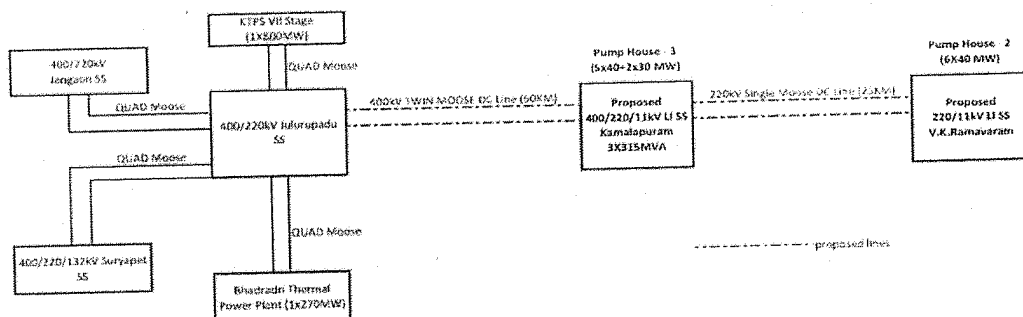
stated that Shapurnagar being industrial area, load redistribution would be a complex task.

- 40.4 Members agreed with the proposal of TSTRANSCO.
- 41.0 **400/220kV Asupaka S/S with 2x315 MVA and LILO of one circuit of 400kV Kalpaka –Khammam D/C Line at Asupaka**
- 41.1 Representative of TSTRANSCO stated that APTRANSCO (before bifurcation of states) had envisaged 400/220kV Sub-station at Asupaka (2x315 MVA) with LILO of one circuit of 400kV Kalpaka - Khammam D/C Line at Asupaka SS and following 220kV downstream connectivity to meet the Lift Irrigation (LI) loads under Indira Sagar Rudramakota Lift Irrigation Scheme:
 - i) Asupaka - Medipally 220kV D/C line (12.01km)
 - ii) Asupaka - Bandarugudem 220kV D/C line (14.84km)
 - iii) 220/11kV Medipally Substation (2x25MVA)
 - iv) 220/11kV Asupaka SS (3x50MVA)
 - v) 220/11kV Bandarugudem SS (3x50MVA)
- 41.2 After formation of Telangana State, the works in 220kV substations at Medipally and Bandarugudem were stopped as the intake pump house and gravity canal etc came under the geographical limits of Andhra Pradesh. But work at Asupaka was in progress. For effective utilization of 400/220kV Asupaka Substation which came under newly created Telangana state, TSTRANSCO revised 220/132kV downstream connectivity as follows:
 - i) Upgradation of existing 132/33kV Aswaraopet SS to 220kV with 2x100MVA, 220/11kV transformer.
 - ii) Asupaka -Aswarapet 220kV D/C (20km)
 - iii) Stringing of 2nd circuit on the existing Aswaraopet - B.Gangaram 132kV S/C Line on D/C tower (30km).
- 41.3 TSTRANSCO had approached CEA in May 2017 with request for approval to charge 400/220kV Asupaka S/S (with 2x315 MVA ICTs) with LILO of one circuit of Kalpaka –Khammam Line 400kV D/C Asupaka Substation.
- 41.4 Director (PSPA-II), CEA informed that a meeting was held in CEA with CTU, TSTRANSCO & APTRANSCO on 10th July 2017, wherein it was agreed in principle to allow TSTRANSCO to charge 400kV Asupaka S/S (2x315MVA,400/220kV) and LILO of one circuit of Kalpaka-Khammam 400Kv D/c Line at Asupaka. Further, CTU was advised to carry out the study for reactive compensation requirement at 400kV Asupaka Substation for line charging and over voltage control.
- 41.5 Representative of CTU stated that they had carried out charging studies and it was observed that total rise in voltage without reactor while charging from Kalpaka end was 19.7kV. Therefore, it was suggested to provide 1x63 MVAR (400kV) Switchable line reactor at Asupaka substation. Further, to control high voltage under light load condition bus reactor of 1x80 MVAR,400kV was also to be provided. TSTRANSCO agreed for the same.

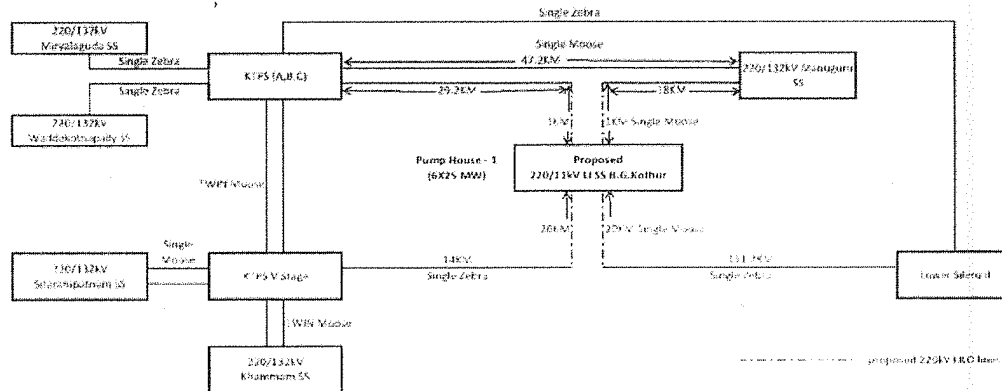
Minutes of 41st meeting of SCPSPSR held on 22.09.2017

- 41.6 Member (Power System), CEA stated that as Asupaka substation was not agreed in any standing committee meeting. He suggested to avoid such pro facto approvals in future.
- 41.7 Members agreed with the proposal of TSTRANSCO.
- 42.0 **Sita Rama Lift Irrigation Scheme – Erection of Substations for extension of power supply to (a) Pump House – 1 (6x25 MW) at B.G. Kothur (V) Ashwapuram(M) (b) Pump House -2 (6x40 MW) at V.K. Ramavaram (V) Mulakalapally (M) and (c) Pump House 3 (5x40+2x30MW) at Kamalapuram(V) Chandrugonda(M) in Bhadradi Kothagudem District**
- 42.1 Representative of TSTRANSCO had proposed following scheme to extend power supply to Pump House – 1 (6x25 MW) at B.G. Kothur (V) Ashwapuram(M) and Pump House -2 (6x40 MW) at V.K. Ramavaram (V) Mulakalapally (M) and Pump House 3 (5x40 MW+2x30 MW) Kamalapuram(V) Chandrugonda(M) in Bhadradi Kothagudem District under Sita Rama Lift Irrigation Scheme:
- 220/11kV SS at Pump House – 1 (6x25 MW) at B.G. Kothur(V) Ashwapuram (M) in Bhadradi Kothagudem District
 - 220/11 kV SS at Pump House – 2 (6x40 MW) at V.K. Ramavaram (V) Mulakalapally (M) in Bhadradi Kothagudem District
 - 400/220/11kV SS (3x315 MVA) at Pump House 3 (5x40 MW+2x30 MW) Kamalapuram(V) Chandrugonda(M) in Bhadradi Kothagudem District
 - LILO of one circuit of KTPS – Manuguru 220 kV D/C Line to Proposed Pump House -1 at B.G. Kothur (about 1 km).
 - LILO of KTPS V – Lower Sileru II 220 kV S/C Line to Proposed Pump House -1 at B.G. Kothur (about length of 20 km).
 - Julurupadu (400/220kV S/S) - Pump House -3 (at Kamalapuram) 400kV D/C line for a length of 50 km.
 - Pump House -3 (at Kamalapuram) -Pump House -2 (at V.K. Ramavaram) 220 kV D/C line (with Single Moose) for length about 25km.
- 42.2 The Schematic diagram of the above scope is shown below:

Sita Rama Lift Irrigation Scheme - Erection of substation for extension of power supply to Pump House-2 (6x40 MW) at V.K.Ramavaram and Pump House-3 (5x40+2x30MW) Kamalapuram



Sita Rama Lift Irrigation Scheme - Erection of substation for extension of power supply to Pump House - 1 (6x25 MW) at B.G.Kothur



42.3 Members agreed with the above scheme (mentioned at para 42.1) proposed by TSTRANSCO.

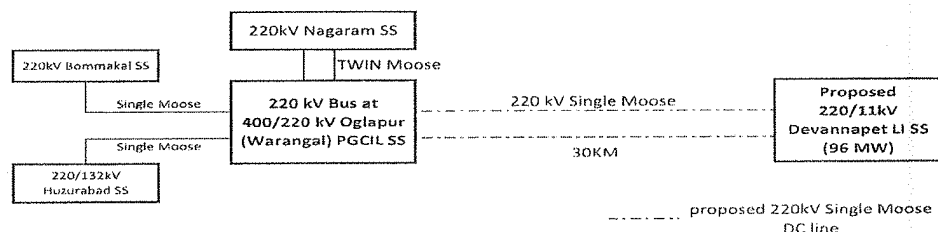
43.0 **Extension of Power supply under Phase-III, J.Chokka Rao Devadula Godavari Lift Irrigation Scheme – Construction of 220/11kV Substation Devannapet at Warangal Urban District and 220 kV D/C line (with Single Moose ACSR conductor from 400/220KV Oglapur (PGCIL) SS to proposed 220/11kV Devannapet LI SS**

43.1 Representative of TSTRANSCO had proposed following transmission system to extend the power supply at 220kV level to shaft 13 (near at Devannapet (V) @ km. 49.060) for package-III Pump House in Warangal Rural District under Phase-III of J.Chokka Rao Devadula Godavari Lift Irrigation Scheme:

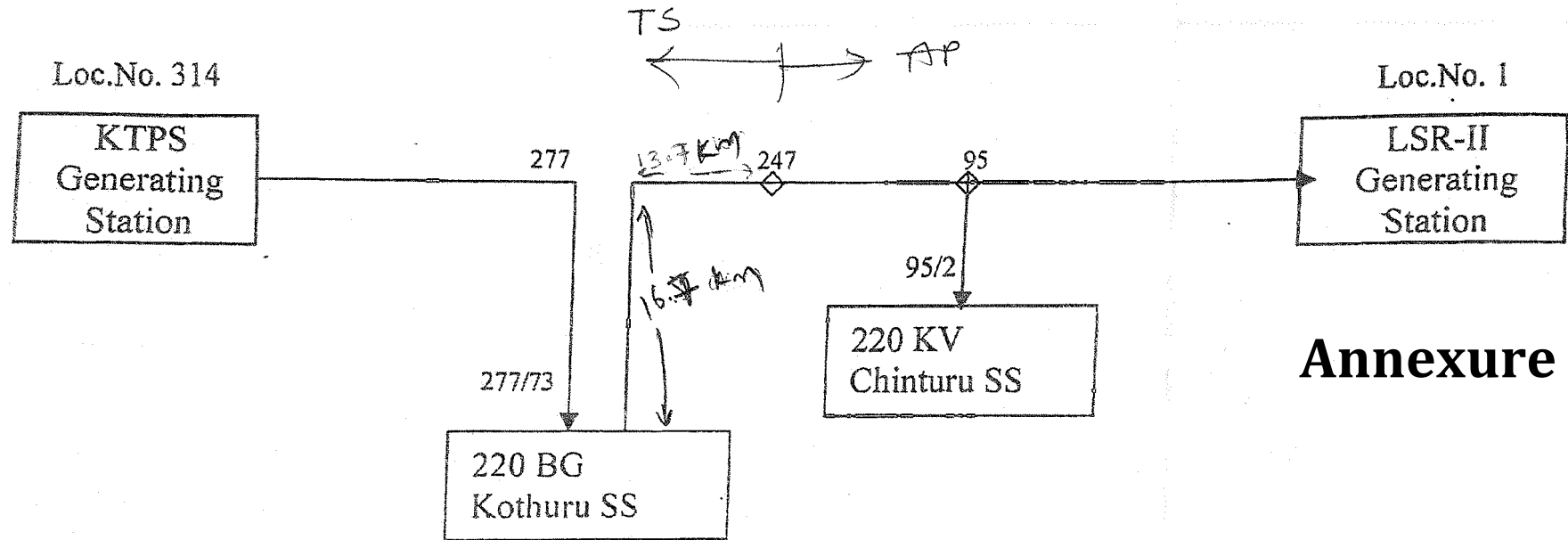
- 220/11kV substation at Devannapet
- Oglapur (PGCIL)- Devannapet LI SS 220kV D/C line (with Twin Moose Conductor) about 30kms

43.2 The Schematic diagram of the above scope is as given below:

Extension of Power supply to proposed 220/11kV Devannapet LI SS from 400/220KV Oglapur (PGCIL) SS



9) 220KV KTPS to LSR – II SC line



Annexure P-6

	Location No.	Jurisdictional Ckm
EHT Lines SD, Asupaka	314-247	1 X 40.7 = 40.7
220KV KTPS V Stage – Lilo at 276	314-277	1x14=14
220KV KTPS V Stage (LILO at 276) – BG Kothuru	277-277/73	1x16.7=33.4
220KV BG Kothuru- Chinturu feeder	277/73-247	1x14=14
APTRANSCO Jurisdiction	247-1	

/24701/2022



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Government of India

विद्युत मंत्रालय
Ministry of Power
केन्द्रीय विद्युत प्राधिकरण
Central Electricity Authority

विद्युत प्रणाली योजना एवं मूल्यांकन प्रभाग-I
Power System Planning & Appraisal Division-I

Annexure P-7

सेवा में / To

The Chief Engineer (Power Systems)
TSTRANSCO
Vidyut Soudha
Hyderabad, Telengana - 500082

विषय/Subject: Proposal for LILO of existing 132 kV Chilakallu (AP) – Kusumanchi and 132 kV Chilakallu (AP) – Khammam feeders at 220/132/33 kV Pedagopathi SS and LILO of 132 kV Chilakallu – Pedagopathi at proposed 132/33 kV Pammy SS – Regarding

संदर्भ / Reference:

- TSTRANSCO letter dated 28.10.2022
- SRI DC reply received vide email dated 02.11.2022
- SRPC's reply received vide email dated 11.11.2022
- TSTRANSCO mail dated 03.11.2022, 11.11.2022 and 21.11.2022

Sir/Madam,

This is in reference to TSTRANSCO's letter dated 28.10.2022 requested for approval of LILO of existing 132 kV Chilakallu (AP) – Kusumanchi and 132 kV Chilakallu (AP) – Khammam feeders at 220/132/33 kV Pedagopathi SS and LILO of 132 kV Chilakallu – Pedagopathi at proposed 132/33kV Pammy SS. The proposal was examined and also forwarded to APTRANSCO, CTUIL, SRPC and POSOCO for their comments. Accordingly, following is submitted:

- APTRANSCO vide letter dated 01.11.2022 has informed that the above proposal is in order. CTUIL vide mail dated 03.11.2022 informed that they don't have any specific comments on this proposal.
- SRPC vide email dated 11.11.2022 has sought certain clarifications regarding the above proposal which majorly involved the queries regarding the system studies without and with the proposed interconnection, reasons for the proposed LILO and APTRANSCO consent w.r.t to the proposal.

Regarding the clarifications sought by SRPC, following is mentioned:

- Load flow studies were carried out considering the peak demand of 14160 MW for Telengana state and observed that power flows in the network are within the limits with the proposed LILO arrangement (Study results are attached at Annex I).

File No.CEA-PS-12-14(12)/1/2018-PSPA-II Division

I/24701/2022

- ii) Regarding the requirement of the proposed LILO as enquired by SRPC, TSTRANSCO had informed that 132/33 kV Pammy and 220/132/33 kV Pedagopathi substations are load feeding substations. New 132/33 kV Pammy SS is proposed to provide reliable supply and to improve the voltage profile in and around Pammy.
- iii) APTRANSCO vide their letter dated 01.11.2022 has already conveyed its consent on the proposal
3. POSOCO vide mail dated 02.11.2022 submitted that above proposal is in order, however, SRLDC pointed out that TSTRANSCO shall ensure the bus switching scheme of 132/33 kV Pammy SS is complying with Central Electricity Authority (Technical Standards for Construction of Electrical Plants and Electric Lines) Regulations, 2010 as single bus scheme is implemented at 132/33 kV Pammy SS.
4. As per the standards, Main and transfer bus or double bus scheme shall be adopted at 132 kV depending on the importance of the installation. TSTRANSCO vide mail dated 11.11.2022 explained that the proposed 132/33kV Pammy is a small substation in Khammam district with only two incoming 132 kV feeders and two nos. PTRs (2x31.5 MVA) hence they had not envisaged transfer bus.

Considering the above, TSTRANSCO's proposal of LILO of existing 132 kV Chilakallu (AP) – Kusumanchi and 132 kV Chilakallu (AP) – Khammam feeders at 220/132/33 kV Pedagopathi SS and LILO of 132 kV Chilakallu – Pedagopathi at proposed 132/33 kV Pammy SS is in order. However, the single bus arrangement at 132 kV substations normally considered by TSTRANSCO is not advisable. TSTRANSCO is suggested to consider Main and transfer bus or double bus scheme at all the future new 132 kV substations as per the CEA technical standards.

This letter is issued with approval of competent authority.

भवदीय/Yours faithfully,

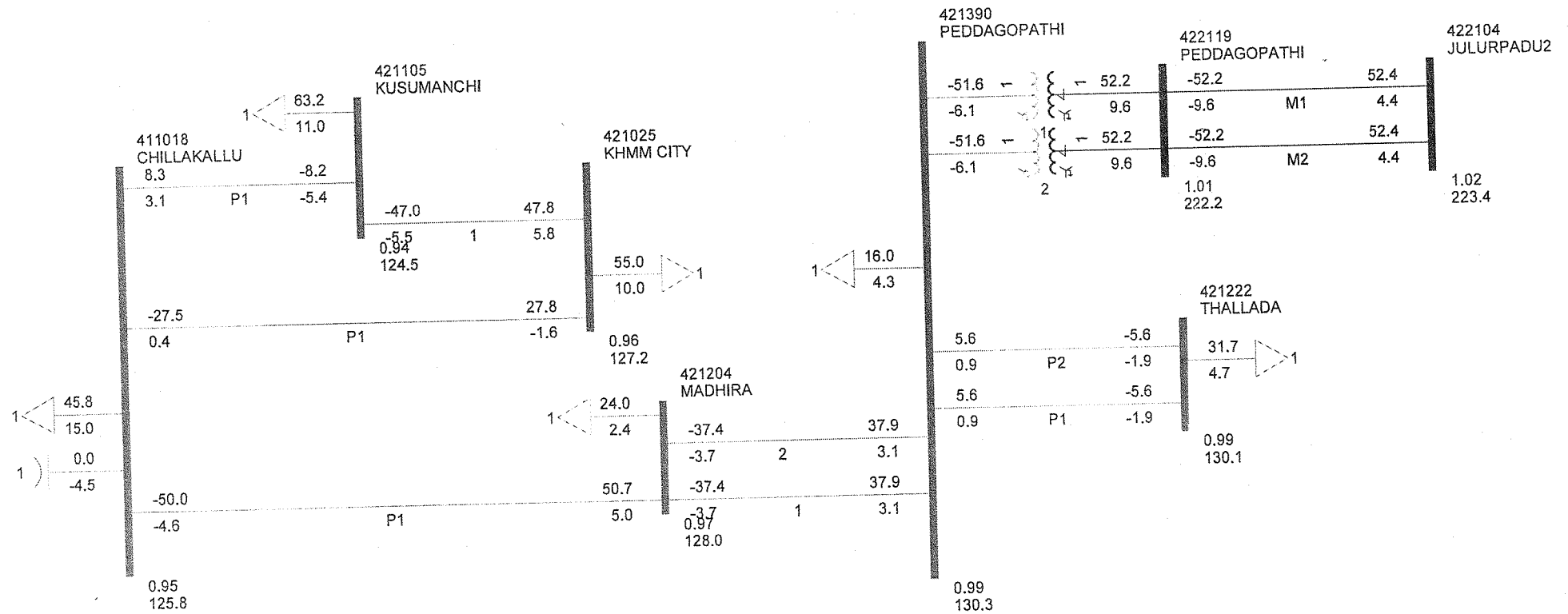
 29/11/2022
(Ganeswara Rao Jada)

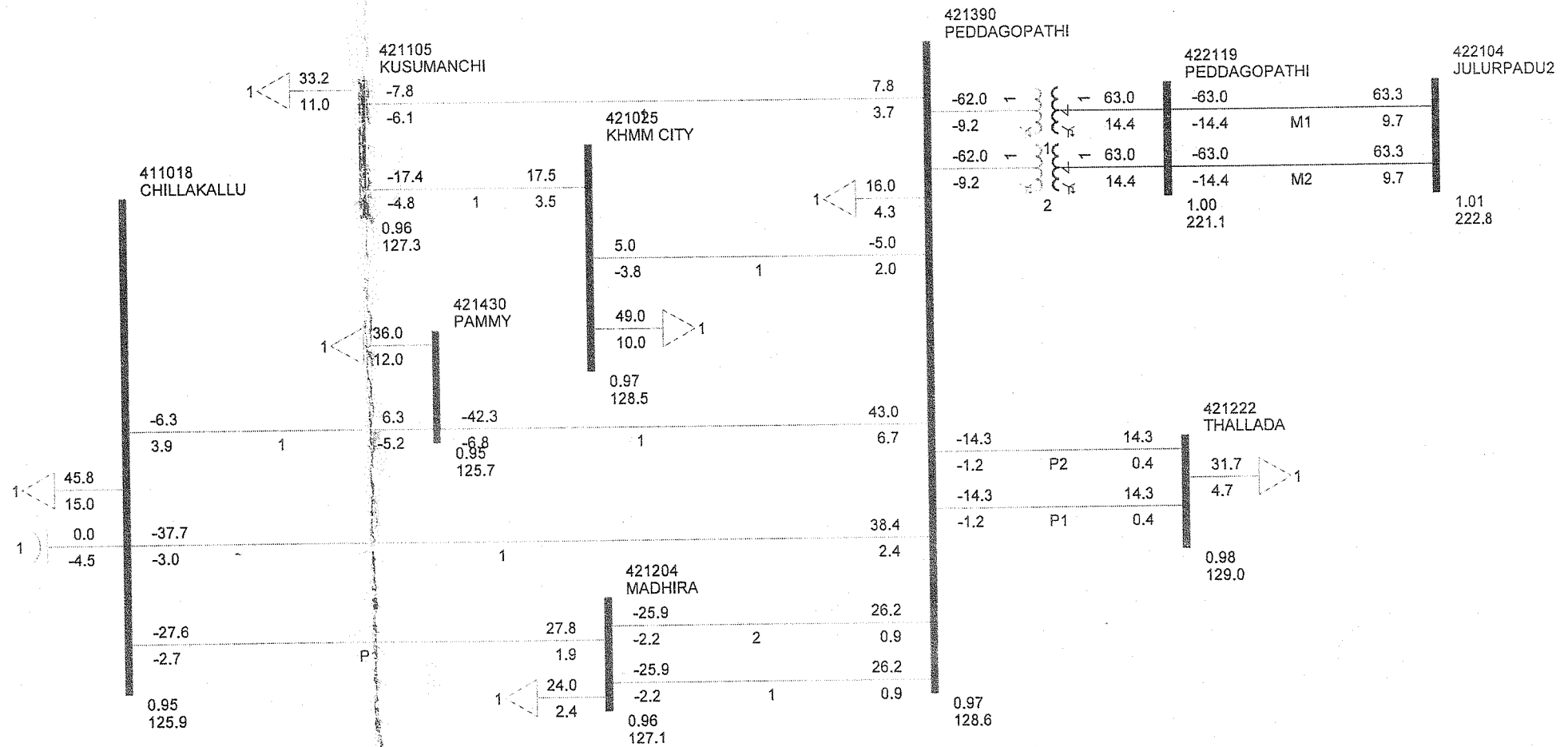
उपनिदेशक/Deputy Director, के.वि.प्रा/CEA

Copy to:

1. Member Secretary, Southern Region Power Committee, 29, Race Course Cross Road, Bengaluru 560 009.
2. Chief Operating Officer (CTUIL), "Saudamini" Plot No. 2, Sector-29, Gurugram-12200.
3. Executive Director, SRLDC, 29, Race Course Cross Road, Bengaluru 560 009.
4. Chief Engineer (Planning, Power Systems), APTRANSCO, Vijayawada. AP

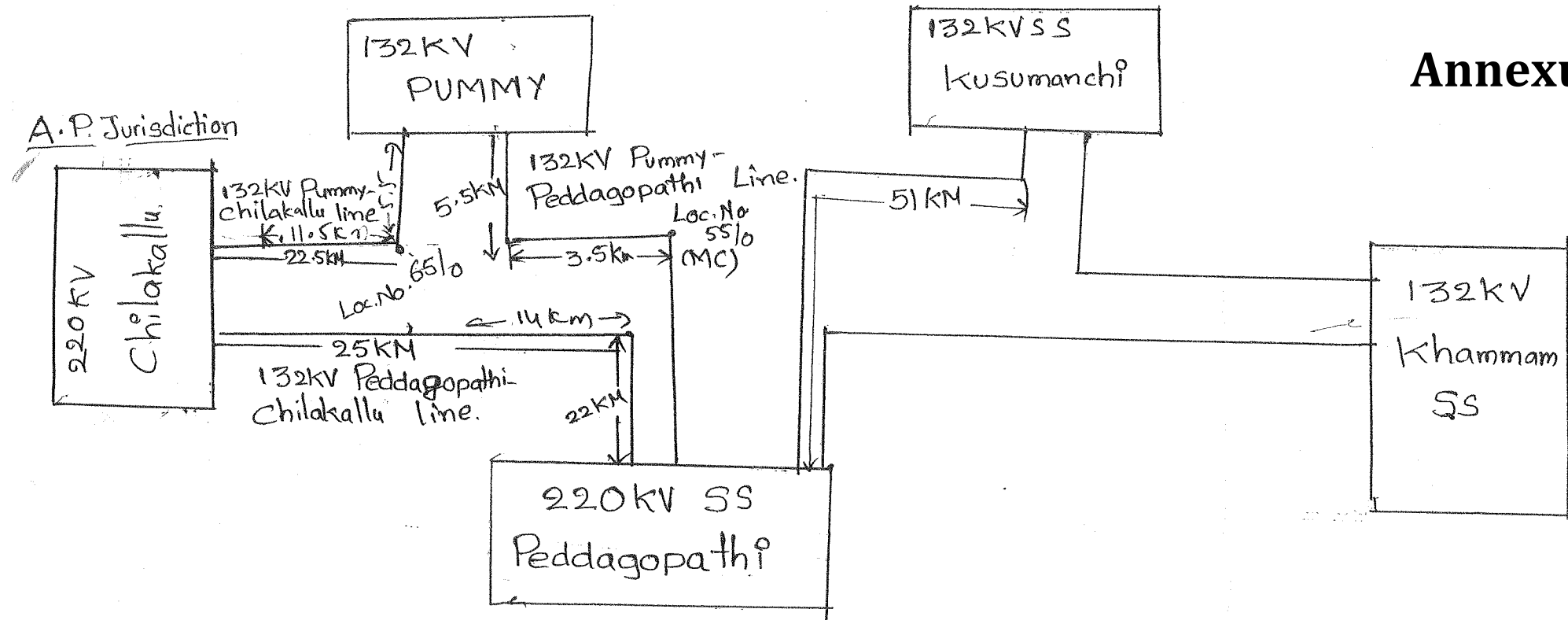
BASE CASE





132KV Khammam-Kusumanchi - 220KV Peddagopathi - 132KV Pummy - 220KV Chilakallu.

Annexure P-8



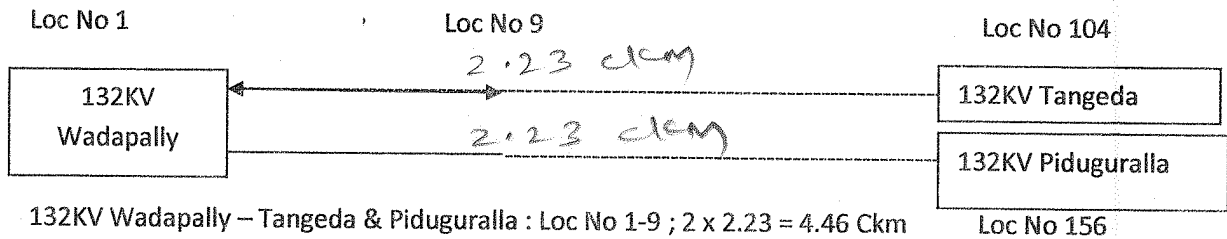
New Lines

- (1) 132KV Peddagopathi - Chilakallu $\Rightarrow 47\text{KM (47CKM)} \Rightarrow 22\text{KM (LILO)} + 14\text{KM (MAIN LINE)}$ + 11KM (CAPTRANSO) (CTGTRANSO)
- (old 132KV Chilakallu - Khammam)
- (2) 132KV Pummy - Chilakallu $\Rightarrow 28\text{KM (28CKM)} \Rightarrow 5.5\text{KM (LILO)} + 11.5\text{KM (MAIN LINE)}$ + 11KM (CAPTRANSO) (CTGTRANSO)
- (old - 132KV Chilakallu - Kusumanchi)

2) 132KV Old Wadapally – Tangeda and Piduguralla DC line

Annexure P-9

Before shifting to new Wadapally SS:



132KV SS OLD Wadapally Feeder details:

	Total Tower Locations	Total Line length(Ckm)
132KV Wadapally-Tangeda feeder	1-9 (TS Jurisdiction)	$1 \times 2.23 = 2.23$
132KV Wadapally-Piduguralla feeder	1-9 (TS Jurisdiction)	$1 \times 2.23 = 2.23$
Total line length	1-9	4.46 Ckm

132KV Wadapally – Piduguralla feeder shifted to New 132KV SS Wadapally on 10.03.2016

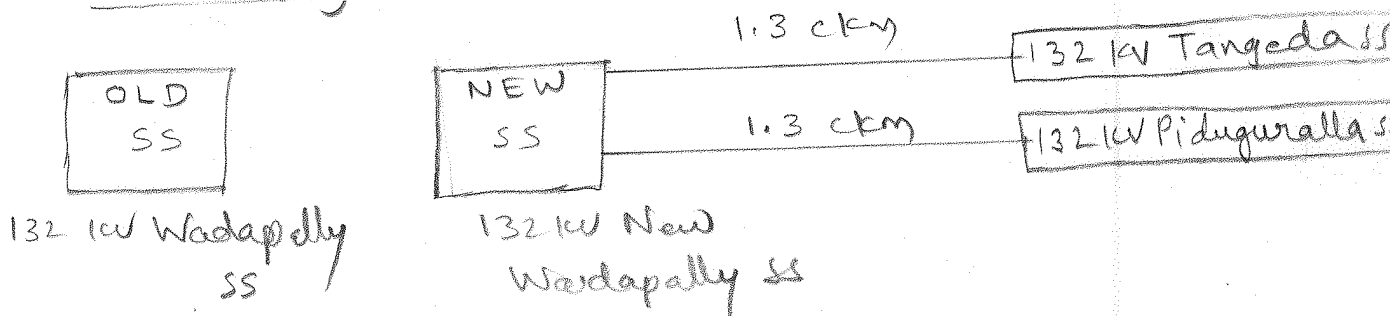
132KV Wadapally – Tangeda feeder shifted to New 132KV SS Wadapally on 16.05.2016

Remarks:

Old 132KV SS Wadapally shifted to New 132KV SS Wadapally on 10.03.2016 due to pollution effect of cement factory around the substation, as the substation is located earlier within the factory premises of India cements limited.

Terminating the Tangeda and ~~Had~~ Piduguralla 132KV lines at the new Wadapally SS has resulted in a 132KV line length of 1.3 km each.

After shifting to New Wadapally SS

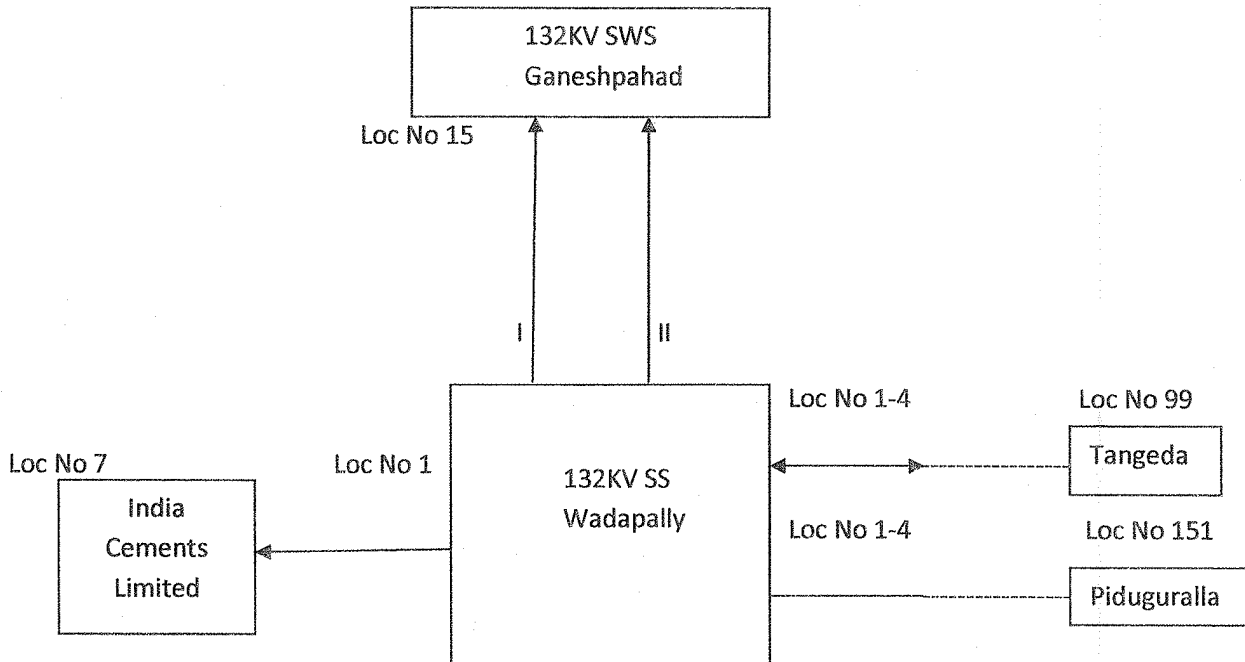


SLD of ISTS lines of 132KV SS Wadapally

132KV SS New Wadapally Feeder details:

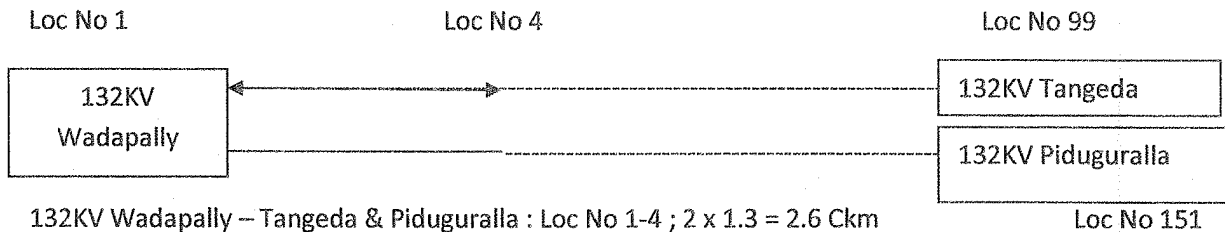
	Total Tower Locations	Total Line length(Ckm)
132KV Wadapally-Tangeda feeder	1-4 (TS Jurisdiction)	$1 \times 1.3 = 1.3$
132KV Wadapally-Piduguralla feeder	1-4 (TS Jurisdiction)	$1 \times 1.3 = 1.3$
Total line length	1-4	2.6 Ckm

SLD of EHT lines of 132KV SS Wadapally:



1) 132KV New Wadapally – Tangeda and Piduguralla DC line

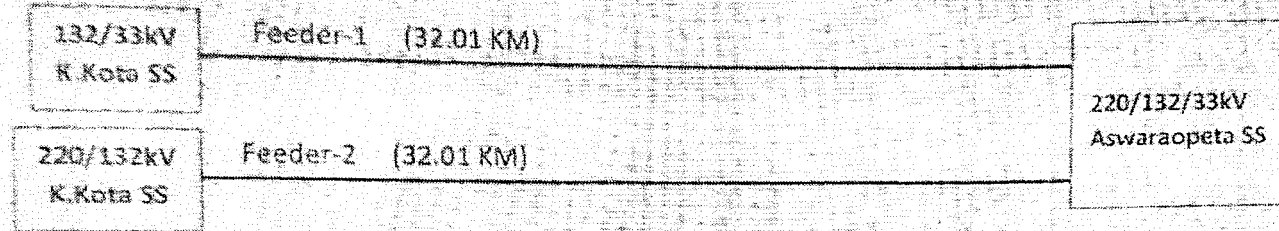
Before shifting to new Wadapally SS:



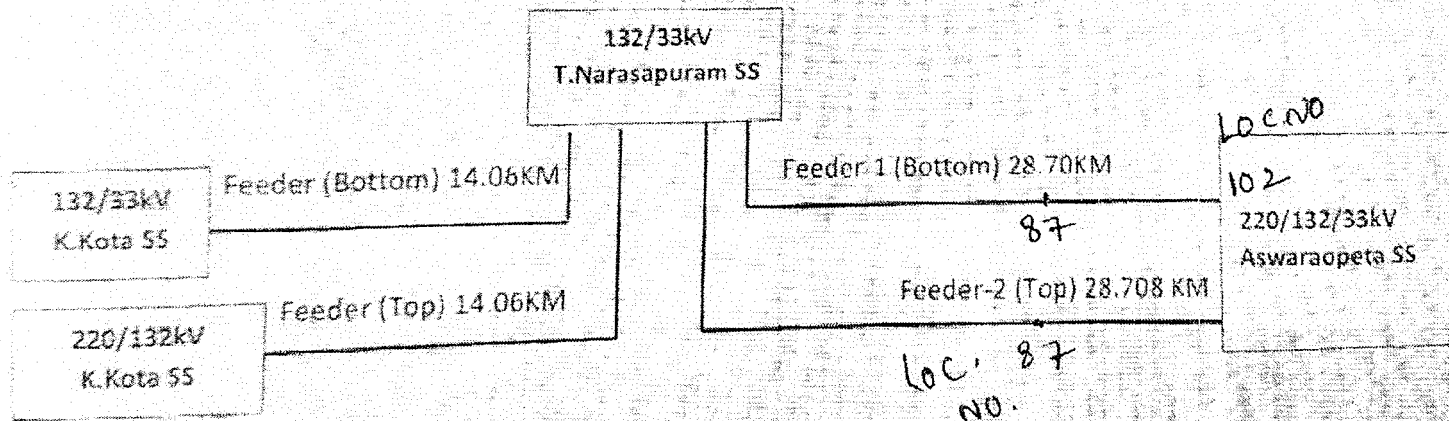
132KV Wadapally – Tangeda & Piduguralla : Loc No 1-4 ; $2 \times 1.3 = 2.6$ Ckm

132KV DOUBLE LILO LINES TO PROPOSED 132/33KV SUB-STATION T.NARSAPURAM

BEFORE



AFTER

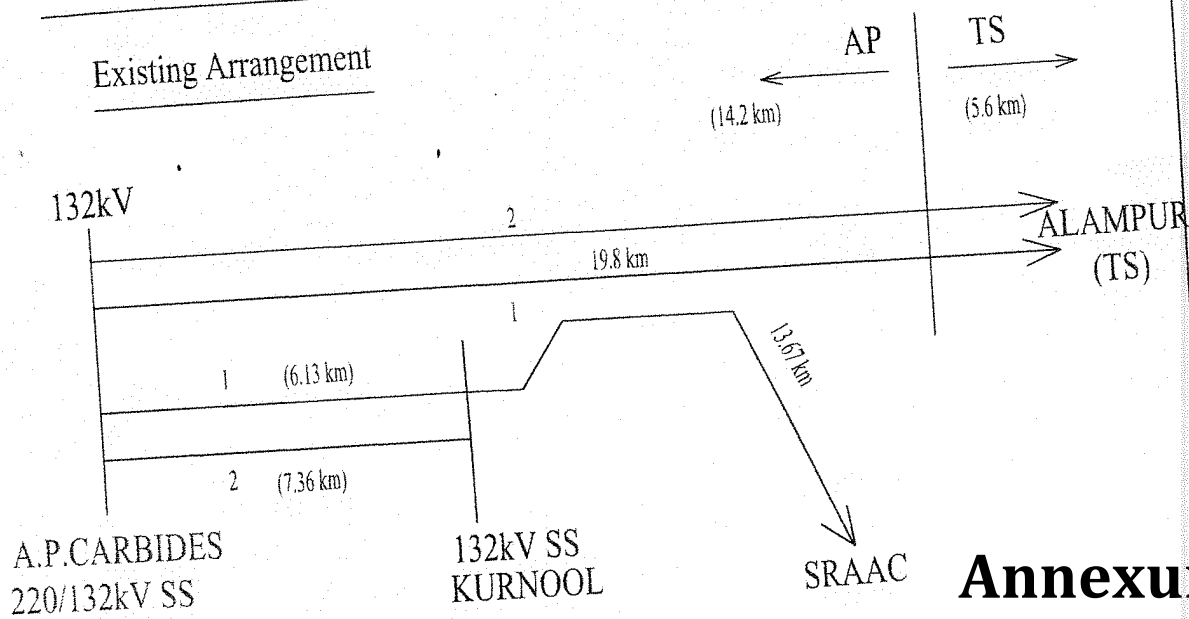


Annexure P-10

201

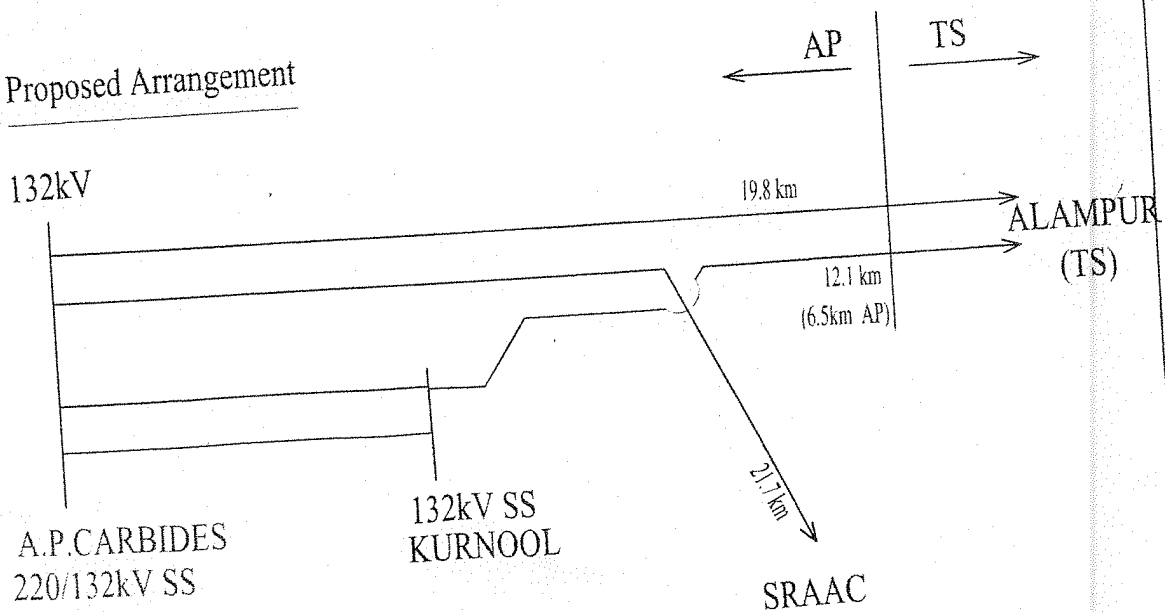
SKETCH

Existing Arrangement



Annexure P-11

Proposed Arrangement



CALCULATION OF ANNUAL TRANSMISSION CHARGES

202

(Rs. In lakhs)

Asset-1 :

Annexure P-12

400 KV Srisaillam - Kurnool						
COD:	06.03.2001	2001				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	54.57					
Transmission Line length in ckt km	1.5					
No. of bays	1					
Multiplication Factor	1					
Life in years	25					
Voltage kv	400					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		81.86	81.86	81.86	81.86	81.86
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		81.86	81.86	81.86	81.86	81.86
Average Gross Block		81.86	81.86	81.86	81.86	81.86
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	73.67	73.67	73.67	73.67	73.67
Elapsed life as on 31.03.2024		23.00	24.00	25.00	26.00	27.00
Balance useful life of the asset		2.00	1.00	0.00	0.00	0.00
Remaining depreciable value		3.36	1.68	0.00	0.00	0.00
Cumulative Depreciation		71.72	73.40	75.08	75.08	75.08
Depreciation		1.68	1.68	1.68	0.00	0.00
Interest on loan						
Gross Normative Loan		57.30	57.30	57.30	57.30	57.30
Cumulative repayment upto previous year		57.02	57.02	57.02	57.02	57.02
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		24.56	24.56	24.56	0.00	0.00
Opening Equity		24.56	24.56	24.56	0.00	0.00
Average Equity		24.56	24.56	24.56	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		4.61	4.61	4.61	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	4.54	4.78	5.03	5.29	5.57
O&M Expenses		2.52	2.65	2.79	2.94	3.09
Receivables		4.68	4.89	5.10	4.54	4.78
Total		11.74	12.32	12.92	12.77	13.44
Interest on Working Capital	12.15%	1.43	1.50	1.57	1.55	1.63
Annual Transmission Charges						
Depreciation		1.68	1.68	1.68	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		4.61	4.61	4.61	0.00	0.00
Interest on Working Capital		1.43	1.50	1.57	1.55	1.63
O&M Expenses		30.27	31.86	33.53	35.29	37.13
Total		37.98	39.65	41.39	36.84	38.77
Norms for O&M per bay	400KV	29.53	31.08	32.71	34.43	36.23
Norms for O&M per km	S/C	0.492	0.518	0.545	0.573	0.603

Asset-2A (After Modification)

400 KV Kalpaka - Asupaka (Part of Old Line 400 KV Kalpaka - Khammam -I)						
COD:	10.05.2002	2003				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	34					
Transmission Line length in ckt km	8.5					
No. of bays	1					
Multiplication Factor	1					
Life in years	25					
Voltage kv	400					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		289.00	289.00	289.00	289.00	289.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		289.00	289.00	289.00	289.00	289.00
Average Gross Block		289.00	289.00	289.00	289.00	289.00
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	260.10	260.10	260.10	260.10	260.10
Elapsed life as on 31.03.2024		21.00	22.00	23.00	24.00	25.00
Balance useful life of the asset		4.00	3.00	2.00	1.00	0.00
Remaining depreciable value		23.70	17.77	11.85	5.93	0.00
Cumulative Depreciation		236.43	242.36	248.28	254.21	260.13
Depreciation		5.92	5.92	5.92	5.92	5.92
Interest on loan						
Gross Normative Loan		202.30	202.30	202.30	202.30	202.30
Cumulative repayment upto previous year		202.30	202.30	202.30	202.30	202.30
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		86.70	86.70	86.70	86.70	86.70
Opening Equity		86.70	86.70	86.70	86.70	86.70
Average Equity		86.70	86.70	86.70	86.70	86.70
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		16.28	16.28	16.28	16.28	16.28
Interest on Working Capital						
Maintenance Spares	15% of O&M	5.53	5.82	6.12	6.44	6.78
O&M Expenses		3.07	3.23	3.40	3.58	3.77
Receivables		7.52	7.77	8.03	8.30	8.59
Total		16.12	16.82	17.55	18.33	19.14
Interest on Working Capital	12.15%	1.96	2.04	2.13	2.23	2.33
Annual Transmission Charges						
Depreciation		5.92	5.92	5.92	5.92	5.92
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		16.28	16.28	16.28	16.28	16.28
Interest on Working Capital		1.96	2.04	2.13	2.23	2.33
O&M Expenses		36.85	38.78	40.81	42.96	45.21
Total		61.01	63.03	65.15	67.39	69.74
Norms for O&M per bay	400KV	29.53	31.08	32.71	34.43	36.23
Norms for O&M per km	D/C	0.861	0.906	0.953	1.003	1.056

Asset-3 :

(Rs. In lakhs)

400 KV Kalpaka - Khammam - II						
COD:	10.05.2002	2003				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	34					
Transmission Line length in ckt km	121					
No. of bays	1					
Multiplication Factor	1					
Life in years	25					
Voltage kv	400					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		4114.00	4114.00	4114.00	4114.00	4114.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		4114.00	4114.00	4114.00	4114.00	4114.00
Average Gross Block		4114.00	4114.00	4114.00	4114.00	4114.00
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	3702.60	3702.60	3702.60	3702.60	3702.60
Elapsed life as on 31.03.2024		21.00	22.00	23.00	24.00	25.00
Balance useful life of the asset		4.00	3.00	2.00	1.00	0.00
Remaining depreciable value		316.78	232.44	148.10	63.77	0.00
Cumulative Depreciation		3385.82	3470.16	3554.50	3638.83	3702.60
Depreciation		84.34	84.34	84.34	84.34	63.77
Interest on loan						
Gross Normative Loan		2879.80	2879.80	2879.80	2879.80	2879.80
Cumulative repayment upto previous year		2879.80	2879.80	2879.80	2879.80	2879.80
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		1234.20	1234.20	1234.20	1234.20	1234.20
Opening Equity		1234.20	1234.20	1234.20	1234.20	1234.20
Average Equity		1234.20	1234.20	1234.20	1234.20	1234.20
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		231.80	231.80	231.80	231.80	231.80
Interest on Working Capital						
Maintenance Spares	15% of O&M	13.36	14.06	14.80	15.56	16.38
O&M Expenses		7.42	7.81	8.22	8.65	9.10
Receivables		51.03	51.64	52.27	52.93	51.05
Total		71.82	73.52	75.29	77.14	76.53
Interest on Working Capital	12.15%	8.73	8.93	9.15	9.37	9.30
Annual Transmission Charges						
Depreciation		84.34	84.34	84.34	84.34	63.77
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		231.80	231.80	231.80	231.80	231.80
Interest on Working Capital		8.73	8.93	9.15	9.37	9.30
O&M Expenses		89.06	93.76	98.66	103.76	109.19
Total		413.93	418.83	423.94	429.27	414.06
Norms for O&M per bay	400KV	29.53	31.08	32.71	34.43	36.23
Norms for O&M per km	S/C	0.492	0.518	0.545	0.573	0.603

CALCULATION OF ANNUAL TRANSMISSION CHRGES

205

Asset-4&5 (After Modification) :

(Rs. In lakhs)

400 KV VTPS - Suryapet- I & II (part of Old Main Line 400KV VTPS - Malkaram - I&II)						
COD:	01.04.2013	2014				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	94.67					
Transmission Line length in ckt km	54.66					
No. of bays	2					
Multiplication Factor	1.39					
Life in years	25					
Voltage kv	400					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		7192.78	7192.78	7192.78	7192.78	7192.78
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		7192.78	7192.78	7192.78	7192.78	7192.78
Average Gross Block		7192.78	7192.78	7192.78	7192.78	7192.78
Depreciation						
Rate of depreciation		5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	90%	6473.50	6473.50	6473.50	6473.50	6473.50
Elapsed life as on 31.03.2024		10.00	11.00	12.00	13.00	14.00
Balance useful life of the asset		15.00	14.00	13.00	12.00	11.00
Remaining depreciable value		2295.94	1916.16	1768.70	1621.25	1473.80
Cumulative Depreciation		4177.57	4557.35	4704.80	4852.25	4999.70
Depreciation		379.78	379.78	147.45	147.45	147.45
Interest on loan						
Gross Normative Loan		5034.95	5034.95	5034.95	5034.95	5034.95
Cumulative repayment upto previous year		3797.79	4177.57	4557.35	4704.80	4852.25
Net loan - opening		1,237.16	857.38	477.60	330.15	182.70
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		379.78	379.78	147.45	147.45	147.45
Net loan - closing		857.38	477.60	330.15	182.70	35.24
Average Loan		1047.27	667.49	403.87	256.42	108.97
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		104.73	66.75	40.39	25.64	10.90
Return on Equity						
Gross Notional Equity		2157.83	2157.83	2157.83	2157.83	2157.83
Opening Equity		2157.83	2157.83	2157.83	2157.83	2157.83
Average Equity		2157.83	2157.83	2157.83	2157.83	2157.83
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		405.27	405.27	405.27	405.27	405.27
Interest on Working Capital						
Maintenance Spares	15% of O&M	15.92	16.75	17.63	18.55	19.53
O&M Expenses		8.84	9.31	9.79	10.31	10.85
Receivables		125.02	120.99	89.36	88.31	87.30
Total		149.79	147.05	116.78	117.17	117.67
Interest on Working Capital	12.15%	18.20	17.87	14.19	14.24	14.30
Annual Transmission Charges						
Depreciation		379.78	379.78	147.45	147.45	147.45
Interest on Loan		104.73	66.75	40.39	25.64	10.90
Return on Equity		405.27	405.27	405.27	405.27	405.27
Interest on Working Capital		18.20	17.87	14.19	14.24	14.30
O&M Expenses		106.12	111.68	117.51	123.68	130.18
Total		1014.10	981.35	724.81	716.29	708.10
Norms for O&M per bay	400KV	29.53	31.08	32.71	34.43	36.23
Norms for O&M per km	D/C	0.861	0.906	0.953	1.003	1.056

CALCULATION OF ANNUAL TRANSMISSION CHARGES

206

Asset-6&7 :

(Rs. In lakhs)

400 KV Srisailam - Sattenapalli Ckt I& II						
COD:	23.10.2000	2000				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	20.71					
Transmission Line length in ckt km	0.40					
No. of bays	2					
Multiplication Factor	1.39					
Life in years	25					
Voltage kv	400					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		11.51	11.51	11.51	11.51	11.51
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		11.51	11.51	11.51	11.51	11.51
Average Gross Block		11.51	11.51	11.51	11.51	11.51
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	10.36	10.36	10.36	10.36	10.36
Elapsed life as on 31.03.2024		24.00	25.00	26.00	27.00	28.00
Balance useful life of the asset		1.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.24	0.00	0.00	0.00	0.00
Cumulative Depreciation		10.33	10.57	10.57	10.57	10.57
Depreciation		0.24	0.24	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		8.06	8.06	8.06	8.06	8.06
Cumulative repayment upto previous year		8.03	8.03	8.03	8.03	8.03
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		3.45	3.45	0.00	0.00	0.00
Opening Equity		3.45	3.45	0.00	0.00	0.00
Average Equity		3.45	3.45	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.65	0.65	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	8.91	9.38	9.87	10.39	10.93
O&M Expenses		4.95	5.21	5.48	5.77	6.07
Receivables		7.76	8.16	8.47	8.91	9.38
Total		21.62	22.75	23.82	25.08	26.39
Interest on Working Capital	12.15%	2.63	2.76	2.89	3.05	3.21
Annual Transmission Charges						
Depreciation		0.24	0.24	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.65	0.65	0.00	0.00	0.00
Interest on Working Capital		2.63	2.76	2.89	3.05	3.21
O&M Expenses		59.40	62.52	65.80	69.26	72.88
Total		62.92	66.17	68.70	72.31	76.09
Norms for O&M per bay	400KV	29.53	31.08	32.71	34.43	36.23
Norms for O&M per km	D/C	0.861	0.906	0.953	1.003	1.056

CALCULATION OF ANNUAL TRANSMISSION CHARGES

207

Asset-8A:

(Rs. In lakhs)

220 KV Asupaka- Lower Sileru (Part of Old Line 220 KV Lower Sileru - KTPS - I)						
COD:	31.03.1967	1967				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	15.00					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.65	3.85	4.05	4.26	4.48
O&M Expenses		2.03	2.14	2.25	2.37	2.49
Receivables		3.14	3.30	3.47	3.66	3.85
Total		8.82	9.28	9.77	10.28	10.82
Interest on Working Capital	12.15%	1.07	1.13	1.19	1.25	1.31
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.07	1.13	1.19	1.25	1.31
O&M Expenses		24.36	25.64	26.98	28.41	29.89
Total		25.43	26.76	28.17	29.65	31.20
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-9A :

(Rs. In lakhs)

220 KV BG Kothur-Chinthuru (Part of Old Line 220 KV Lower Sileru - KTPS-II)						
COD:	31.03.1979	1979				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	13.70					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	1					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.61	3.79	3.99	4.20	4.42
O&M Expenses		2.00	2.11	2.22	2.34	2.46
Receivables		3.09	3.26	3.43	3.61	3.80
Total		8.70	9.16	9.64	10.15	10.68
Interest on Working Capital	12.15%	1.06	1.11	1.17	1.23	1.30
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.06	1.11	1.17	1.23	1.30
O&M Expenses		24.04	25.30	26.63	28.03	29.50
Total		25.10	26.41	27.80	29.26	30.79
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-10:

220 KV Srisailam - Dindi - I						
COD:	12.09.1982	1983				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	80.00					
No. of bays	1					
Multiplication Factor	0.57					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	7.53	7.92	8.34	8.78	9.24
O&M Expenses		4.18	4.40	4.64	4.88	5.13
Receivables		6.46	6.79	7.16	7.53	7.93
Total		18.17	19.11	20.14	21.18	22.30
Interest on Working Capital	12.15%	2.21	2.32	2.45	2.57	2.71
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		2.21	2.32	2.45	2.57	2.71
O&M Expenses		50.19	52.79	55.62	58.50	61.60
Total		52.40	55.11	58.07	61.07	64.31
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

210

Asset-11 A:

(Rs. In lakhs)

220 KV Srisailam - Domalapenta (part of old line 220 KV Srisailam - Dindi - II)						
COD:	12.09.1982	1983				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	0.00					
No. of bays	0					
Multiplication Factor	0.57					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	0.00	0.00	0.00	0.00	0.00
O&M Expenses		0.00	0.00	0.00	0.00	0.00
Receivables		0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital	12.15%	0.00	0.00	0.00	0.00	0.00
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.00	0.00	0.00	0.00	0.00
O&M Expenses		0.00	0.00	0.00	0.00	0.00
Total		0.00	0.00	0.00	0.00	0.00
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

211

Asset-12:

(Rs. In lakhs)

220 KV Tallapalli - Nagarjunasagar - III						
COD:	27.01.1985	1985				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	4.00					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.25	3.42	3.60	3.79	3.99
O&M Expenses		1.80	1.90	2.00	2.10	2.21
Receivables		2.79	2.93	3.09	3.25	3.42
Total		7.84	8.25	8.68	9.14	9.62
Interest on Working Capital	12.15%	0.95	1.00	1.06	1.11	1.17
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.95	1.00	1.06	1.11	1.17
O&M Expenses		21.65	22.79	23.99	25.25	26.57
Total		22.61	23.79	25.04	26.36	27.74
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

Asset-13&14 :

(Rs. In lakhs)

220 KV Tallapalli - Nagarjunasagar - I & II						
COD:	05.08.1985	1986				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	2.10					
No. of bays	2					
Multiplication Factor	0.57					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	6.32	6.65	7.00	7.37	7.75
O&M Expenses		3.51	3.69	3.89	4.09	4.31
Receivables		5.42	5.70	6.01	6.32	6.65
Total		15.25	16.04	16.89	17.78	18.71
Interest on Working Capital	12.15%	1.85	1.95	2.05	2.16	2.27
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.85	1.95	2.05	2.16	2.27
O&M Expenses		42.11	44.31	46.66	49.10	51.67
Total		43.97	46.26	48.71	51.26	53.94
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

213

Asset-15 :

(Rs. In lakhs)

220 KV N'Sagar Receiving Station - Srisailam (SC) Line						
COD:	07.02.1989	1989				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	4.00					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
	15% of O&M					
Maintenance Spares		3.25	3.42	3.60	3.79	3.99
O&M Expenses		1.80	1.90	2.00	2.10	2.21
Receivables		2.79	2.93	3.09	3.25	3.42
Total		7.84	8.25	8.68	9.14	9.62
Interest on Working Capital	12.15%	0.95	1.00	1.06	1.11	1.17
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.95	1.00	1.06	1.11	1.17
O&M Expenses		21.65	22.79	23.99	25.25	26.57
Total		22.61	23.79	25.04	26.36	27.74
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

214

Asset-16:

(Rs. In lakhs)

220 KV Nunna - KTPS						
COD:	21.01.1992	1992				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	29.69					
Transmission Line length in ckt km	64.45					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation		0.00%	0.00%	0.00%	0.00%	0.00%
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		32.00	33.00	34.00	35.00	36.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	5.48	5.77	6.06	6.39	6.72
O&M Expenses		3.04	3.20	3.37	3.55	3.74
Receivables		4.70	4.95	5.20	5.48	5.77
Total		13.22	13.92	14.64	15.42	16.23
Interest on Working Capital	12.15%	1.61	1.69	1.78	1.87	1.97
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.61	1.69	1.78	1.87	1.97
O&M Expenses		36.52	38.44	40.43	42.60	44.82
Total		38.13	40.13	42.21	44.47	46.80
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

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Asset-17:

(Rs. In lakhs)

220 KV Tandur - Sedam						
COD:	28.02.2001	2001				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	54.57					
Transmission Line length in ckt km	33.60					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		660.08	660.08	660.08	660.08	660.08
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		660.08	660.08	660.08	660.08	660.08
Average Gross Block		660.08	660.08	660.08	660.08	660.08
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	594.07	594.07	594.07	594.07	594.07
Elapsed life as on 31.03.2024		23.00	24.00	25.00	26.00	27.00
Balance useful life of the asset		2.00	1.00	0.00	0.00	0.00
Remaining depreciable value		27.06	13.53	0.00	0.00	0.00
Cumulative Depreciation		578.35	591.88	605.41	605.41	605.41
Depreciation		13.53	13.53	13.53	0.00	0.00
Interest on loan						
Gross Normative Loan		462.06	462.06	462.06	462.06	462.06
Cumulative repayment upto previous year		462.06	462.06	462.06	462.06	462.06
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		198.02	198.02	198.02	0.00	0.00
Opening Equity		198.02	198.02	198.02	0.00	0.00
Average Equity		198.02	198.02	198.02	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		37.19	37.19	37.19	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	4.34	4.57	4.81	5.06	5.33
O&M Expenses		2.41	2.54	2.67	2.81	2.96
Receivables		10.07	10.27	10.47	4.34	4.57
Total		16.82	17.37	17.95	12.22	12.86
Interest on Working Capital	12.15%	2.04	2.11	2.18	1.48	1.56
Annual Transmission Charges						
Depreciation		13.53	13.53	13.53	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		37.19	37.19	37.19	0.00	0.00
Interest on Working Capital		2.04	2.11	2.18	1.48	1.56
O&M Expenses		28.94	30.45	32.04	33.74	35.51
Total		81.70	83.28	84.94	35.23	37.07
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

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Asset-18:

(Rs. In lakhs)

220 KV Tallapalli - Chalakurthy						
COD:	21.07.2007		2008			
Rationalised cost of 400kv line (Rs. lakh per ckt km)	47.04					
Transmission Line length in ckt km	27.40					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		464.00	464.00	464.00	464.00	464.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		464.00	464.00	464.00	464.00	464.00
Average Gross Block		464.00	464.00	464.00	464.00	464.00
Depreciation						
Rate of depreciation		5.28%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	417.60	417.60	417.60	417.60	417.60
Elapsed life as on 31.03.2024		16.00	17.00	18.00	19.00	20.00
Balance useful life of the asset		9.00	8.00	7.00	6.00	5.00
Remaining depreciable value		76.05	66.54	57.03	47.51	38.00
Cumulative Depreciation		341.55	351.06	360.58	370.09	379.60
Depreciation		9.51	9.51	9.51	9.51	9.51
Interest on loan						
Gross Normative Loan		324.80	324.80	324.80	324.80	324.80
Cumulative repayment upto previous year		324.80	324.80	324.80	324.80	324.80
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		139.20	139.20	139.20	139.20	139.20
Opening Equity		139.20	139.20	139.20	139.20	139.20
Average Equity		139.20	139.20	139.20	139.20	139.20
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		26.14	26.14	26.14	26.14	26.14
Interest on Working Capital						
Maintenance Spares	15% of O&M	4.11	4.33	4.55	4.79	5.05
O&M Expenses		2.28	2.40	2.53	2.66	2.80
Receivables		7.99	8.18	8.37	8.58	8.79
Total		14.39	14.91	15.45	16.04	16.64
Interest on Working Capital	12.15%	1.75	1.81	1.88	1.95	2.02
Annual Transmission Charges						
Depreciation		9.51	9.51	9.51	9.51	9.51
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		26.14	26.14	26.14	26.14	26.14
Interest on Working Capital		1.75	1.81	1.88	1.95	2.02
O&M Expenses		27.41	28.85	30.35	31.96	33.63
Total		64.81	66.31	67.89	69.57	71.31
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-19:

(Rs. In lakhs)

220 KV Brahmnakotkur - Wanaparthi (LIS)						
COD:	29.10.2009	2010				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	48.44					
Transmission Line length in ckt km	78.79					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		1373.97	1373.97	1373.97	1373.97	1373.97
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		1373.97	1373.97	1373.97	1373.97	1373.97
Average Gross Block		1373.97	1373.97	1373.97	1373.97	1373.97
Depreciation						
Rate of depreciation		5.28%	5.28%	5.28%	5.28%	5.28%
Depreciable value	90%	1236.57	1236.57	1236.57	1236.57	1236.57
Elapsed life as on 31.03.2024		14.00	15.00	16.00	17.00	18.00
Balance useful life of the asset		11.00	10.00	9.00	8.00	7.00
Remaining depreciable value		281.53	253.36	225.19	197.03	168.86
Cumulative Depreciation		955.05	983.21	1011.38	1039.55	1067.71
Depreciation		28.17	28.17	28.17	28.17	28.17
Interest on loan						
Gross Normative Loan		961.78	961.78	961.78	961.78	961.78
Cumulative repayment upto previous year		926.88	955.05	961.78	961.78	961.78
Net loan - opening		34.90	6.73	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		28.17	6.73	0.00	0.00	0.00
Net loan - closing		6.73	0.00	0.00	0.00	0.00
Average Loan		20.82	3.37	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		2.08	0.34	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		412.19	412.19	412.19	412.19	412.19
Opening Equity		412.19	412.19	412.19	412.19	412.19
Average Equity		412.19	412.19	412.19	412.19	412.19
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		77.42	77.42	77.42	77.42	77.42
Interest on Working Capital						
Maintenance Spares	15% of O&M	6.01	6.32	6.65	7.01	7.37
O&M Expenses		3.34	3.51	3.69	3.89	4.10
Receivables		18.63	18.68	18.92	19.23	19.54
Total		27.98	28.52	29.26	30.13	31.01
Interest on Working Capital	12.15%	3.40	3.47	3.56	3.66	3.77
Annual Transmission Charges						
Depreciation		28.17	28.17	28.17	28.17	28.17
Interest on Loan		2.08	0.34	0.00	0.00	0.00
Return on Equity		77.42	77.42	77.42	77.42	77.42
Interest on Working Capital		3.40	3.47	3.56	3.66	3.77
O&M Expenses		40.05	42.16	44.33	46.71	49.15
Total		151.12	151.54	153.47	155.96	158.50
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

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Asset-20A:

(Rs. In lakhs)

220 KV Chillakallu - Suryapeta (part of old line 220 KV Chillakallu-Narketpally - I)						
COD:	29.03.1999	1999				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	20.71					
Transmission Line length in ckt km	38.62					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		287.94	287.94	287.94	287.94	287.94
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		287.94	287.94	287.94	287.94	287.94
Average Gross Block		287.94	287.94	287.94	287.94	287.94
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	259.14	259.14	259.14	259.14	259.14
Elapsed life as on 31.03.2024		25.00	26.00	27.00	28.00	29.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		259.14	259.14	259.14	259.14	259.14
Depreciation		4.40	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		201.55	201.55	201.55	201.55	201.55
Cumulative repayment upto previous year		201.55	201.55	201.55	201.55	201.55
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		86.38	0.00	0.00	0.00	0.00
Opening Equity		86.38	0.00	0.00	0.00	0.00
Average Equity		86.38	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		16.22	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	4.53	4.76	5.01	5.28	5.55
O&M Expenses		2.51	2.65	2.78	2.93	3.09
Receivables		6.46	4.09	4.30	4.53	4.77
Total		13.50	11.50	12.09	12.74	13.40
Interest on Working Capital	12.15%	1.64	1.40	1.47	1.55	1.63
Annual Transmission Charges						
Depreciation		4.40	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		16.22	0.00	0.00	0.00	0.00
Interest on Working Capital		1.64	1.40	1.47	1.55	1.63
O&M Expenses		30.17	31.75	33.40	35.18	37.02
Total		52.43	33.15	34.87	36.73	38.65
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

219

Asset-21A:

(Rs. In lakhs)

220 KV Chillakallu - Pulichintala (Part of Old Line 220KV Chillakallu-Narketpally - II)						
COD:	29.03.1999	1999				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	20.71					
Transmission Line length in ckt km	18.08					
No. of bays	1					
Multiplication Factor	0.36					
Life in years	25					
Voltage kv	220					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		134.80	134.80	134.80	134.80	134.80
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		134.80	134.80	134.80	134.80	134.80
Average Gross Block		134.80	134.80	134.80	134.80	134.80
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	121.32	121.32	121.32	121.32	121.32
Elapsed life as on 31.03.2024		25.00	26.00	27.00	28.00	29.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		121.31	121.31	121.31	121.31	121.31
Depreciation		2.76	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		94.36	94.36	94.36	94.36	94.36
Cumulative repayment upto previous year		94.36	94.36	94.36	94.36	94.36
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		40.44	0.00	0.00	0.00	0.00
Opening Equity		40.44	0.00	0.00	0.00	0.00
Average Equity		40.44	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		7.60	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.77	3.96	4.17	4.39	4.62
O&M Expenses		2.09	2.20	2.32	2.44	2.57
Receivables		4.53	3.40	3.58	3.77	3.97
Total		10.39	9.57	10.07	10.60	11.16
Interest on Working Capital	12.15%	1.26	1.16	1.22	1.29	1.36
Annual Transmission Charges						
Depreciation		2.76	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		7.60	0.00	0.00	0.00	0.00
Interest on Working Capital		1.26	1.16	1.22	1.29	1.36
O&M Expenses		25.12	26.43	27.82	29.29	30.82
Total		36.74	27.60	29.04	30.58	32.18
Norms for O&M per bay	220KV	20.67	21.75	22.90	24.10	25.36
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-22:

(Rs. In lakhs)

132 KV Chillakallu - Ramapuram						
COD:	21.10.1982	1983				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	6.67					
No. of bays	1					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.74	2.88	3.03	3.19	3.36
O&M Expenses		1.52	1.60	1.68	1.77	1.86
Receivables		2.35	2.47	2.60	2.74	2.88
Total		6.60	6.95	7.32	7.70	8.10
Interest on Working Capital	12.15%	0.80	0.84	0.89	0.94	0.98
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.80	0.84	0.89	0.94	0.98
O&M Expenses		18.24	19.20	20.21	21.27	22.37
Total		19.04	20.04	21.10	22.20	23.36
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

221

Asset-23&24:

(Rs. In lakhs)

132KV Aswaraopet-T.Narsapur-I & II (Part of Old Line 132 KV Kamavarapu Kota - Aswaraopet -I & II)						
COD:	09.06.1982	1983				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	5.50					
No. of bays	2					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	5.04	5.30	5.58	5.87	6.18
O&M Expenses		2.80	2.95	3.10	3.26	3.43
Receivables		4.32	4.55	4.79	5.04	5.30
Total		12.16	12.80	13.47	14.18	14.91
Interest on Working Capital	12.15%	1.48	1.56	1.64	1.72	1.81
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.48	1.56	1.64	1.72	1.81
O&M Expenses		33.59	35.35	37.21	39.17	41.19
Total		35.07	36.91	38.85	40.89	43.00
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

222

Asset-25:

(Rs. In lakhs)

132 KV Nagarjunasagar - RCPH						
COD:	25.02.1983	1983				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	7.70					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.65	2.79	2.94	3.09	3.25
O&M Expenses		1.47	1.55	1.63	1.72	1.81
Receivables		2.27	2.39	2.52	2.65	2.79
Total		6.40	6.74	7.09	7.46	7.85
Interest on Working Capital	12.15%	0.78	0.82	0.86	0.91	0.95
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.78	0.82	0.86	0.91	0.95
O&M Expenses		17.67	18.60	19.57	20.61	21.68
Total		18.45	19.42	20.44	21.52	22.63
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

223

Asset-26A:

(Rs. In lakhs)

132KV Chillakkallu-Pammy (Part of Old Line 132 KV Chillakkallu-Kusumanchi)						
COD:	24.12.1985	1986				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	11.50					
No. of bays	1					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.00	3.16	3.33	3.50	3.68
O&M Expenses		1.67	1.76	1.85	1.95	2.05
Receivables		2.58	2.71	2.86	3.00	3.16
Total		7.25	7.63	8.03	8.45	8.89
Interest on Working Capital	12.15%	0.88	0.93	0.98	1.03	1.08
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.88	0.93	0.98	1.03	1.08
O&M Expenses		20.02	21.07	22.18	23.35	24.56
Total		20.90	22.00	23.16	24.37	25.64
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

224

Asset-27 &28 :

(Rs. In lakhs)

132 KV Chillakallu - Bonakallu - I & II						
COD:	20.01.1987	1987				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	2.80					
No. of bays	2					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	4.89	5.15	5.42	5.70	6.00
O&M Expenses		2.72	2.86	3.01	3.17	3.33
Receivables		4.20	4.42	4.65	4.89	5.14
Total		11.80	12.42	13.07	13.76	14.47
Interest on Working Capital	12.15%	1.43	1.51	1.59	1.67	1.76
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		1.43	1.51	1.59	1.67	1.76
O&M Expenses		32.59	34.31	36.11	38.00	39.97
Total		34.03	35.82	37.69	39.68	41.73
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

225

Asset-29A:

(Rs. In lakhs)

132 KV Alampur-Kurnool - I (part of old line 132 KV A.P. Carbides - Alampur-I (Wanaparthy)						
COD:	20.01.1987	1987				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	4.66					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation						
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		0.00	0.00	0.00	0.00	0.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.54	2.67	2.81	2.96	3.11
O&M Expenses		1.41	1.48	1.56	1.64	1.73
Receivables		2.18	2.29	2.41	2.54	2.67
Total		6.13	6.45	6.79	7.15	7.52
Interest on Working Capital	12.15%	0.74	0.78	0.82	0.87	0.91
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.74	0.78	0.82	0.87	0.91
O&M Expenses		16.93	17.82	18.75	19.74	20.76
Total		17.67	18.60	19.57	20.61	21.67
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-29B:

(Rs. In lakhs)

LILO of AP Carbides - Wanaparthi at Alampur SS						
COD:	17.05.2004	2005				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	27.2					
Transmission Line length in ckt km	1.20					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		10.12	10.12	10.12	10.12	10.12
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		10.12	10.12	10.12	10.12	10.12
Average Gross Block		10.12	10.12	10.12	10.12	10.12
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	9.11	9.11	9.11	9.11	9.11
Elapsed life as on 31.03.2024		19.00	20.00	21.00	22.00	23.00
Balance useful life of the asset		6.00	5.00	4.00	3.00	2.00
Remaining depreciable value		1.04	0.83	0.62	0.41	0.21
Cumulative Depreciation		8.07	8.28	8.49	8.69	8.90
Depreciation		0.21	0.21	0.21	0.21	0.21
Interest on loan						
Gross Normative Loan		7.08	7.08	7.08	7.08	7.08
Cumulative repayment upto previous year		7.08	7.08	7.08	7.08	7.08
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		3.04	3.04	3.04	3.04	3.04
Opening Equity		3.04	3.04	3.04	3.04	3.04
Average Equity		3.04	3.04	3.04	3.04	3.04
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.57	0.57	0.57	0.57	0.57
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.41	2.54	2.67	2.81	2.96
O&M Expenses		1.34	1.41	1.48	1.56	1.64
Receivables		2.17	2.28	2.39	2.51	2.63
Total		5.92	6.22	6.54	6.88	7.23
Interest on Working Capital	12.15%	0.72	0.76	0.80	0.84	0.88
Annual Transmission Charges						
Depreciation		0.21	0.21	0.21	0.21	0.21
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.57	0.57	0.57	0.57	0.57
Interest on Working Capital		0.72	0.76	0.80	0.84	0.88
O&M Expenses		16.08	16.92	17.81	18.74	19.71
Total		17.57	18.45	19.38	20.36	21.37
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-30:

(Rs. In lakhs)

132 KV Chillakallu - Madhira						
COD:	27.10.2001	2002				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	44.28					
Transmission Line length in ckt km	7.00					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		96.09	96.09	96.09	96.09	96.09
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		96.09	96.09	96.09	96.09	96.09
Average Gross Block		96.09	96.09	96.09	96.09	96.09
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	86.48	86.48	86.48	86.48	86.48
Elapsed life as on 31.03.2024		22.00	23.00	24.00	25.00	26.00
Balance useful life of the asset		3.00	2.00	1.00	0.00	0.00
Remaining depreciable value		5.91	3.94	1.97	0.00	0.00
Cumulative Depreciation		80.58	82.55	84.52	86.49	86.49
Depreciation		1.97	1.97	1.97	1.97	0.00
Interest on loan						
Gross Normative Loan		67.26	67.26	67.26	67.26	67.26
Cumulative repayment upto previous year		65.29	65.29	65.29	65.29	65.29
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		28.83	28.83	28.83	28.83	0.00
Opening Equity		28.83	28.83	28.83	28.83	0.00
Average Equity		28.83	28.83	28.83	28.83	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		5.41	5.41	5.41	5.41	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.63	2.76	2.91	3.06	3.22
O&M Expenses		1.46	1.54	1.62	1.70	1.79
Receivables		3.18	3.30	3.42	3.55	2.76
Total		7.26	7.59	7.94	8.31	7.77
Interest on Working Capital	12.15%	0.88	0.92	0.96	1.01	0.94
Annual Transmission Charges						
Depreciation		1.97	1.97	1.97	1.97	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		5.41	5.41	5.41	5.41	0.00
Interest on Working Capital		0.88	0.92	0.96	1.01	0.94
O&M Expenses		17.50	18.42	19.38	20.41	21.46
Total		25.77	26.73	27.73	28.80	22.41
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-31A:

(Rs. In lakhs)

132KV Chillakallu-Pedagopathi (Part of Old Line 132 KV Chillakallu-Khammam)						
COD:	02.12.2001	2002				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	44.28					
Transmission Line length in ckt km	14.00					
No. of bays	1					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		266.57	266.57	266.57	266.57	266.57
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		266.57	266.57	266.57	266.57	266.57
Average Gross Block		266.57	266.57	266.57	266.57	266.57
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	239.91	239.91	239.91	239.91	239.91
Elapsed life as on 31.03.2024		22.00	23.00	24.00	25.00	26.00
Balance useful life of the asset		3.00	2.00	1.00	0.00	0.00
Remaining depreciable value		10.90	5.44	0.00	0.00	0.00
Cumulative Depreciation		223.54	229.01	234.47	239.91	239.91
Depreciation		5.46	5.46	5.44	0.00	0.00
Interest on loan						
Gross Normative Loan		186.60	186.60	186.60	186.60	186.60
Cumulative repayment upto previous year		186.60	186.60	186.60	186.60	186.60
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		79.97	79.97	79.97	79.97	0.00
Opening Equity		79.97	79.97	79.97	79.97	0.00
Average Equity		79.97	79.97	79.97	79.97	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		15.02	15.02	15.02	15.02	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	3.14	3.31	3.48	3.66	3.85
O&M Expenses		1.75	1.84	1.93	2.04	2.14
Receivables		5.26	5.40	5.55	5.02	3.31
Total		10.15	10.54	10.96	10.72	9.30
Interest on Working Capital	12.15%	1.23	1.28	1.33	1.30	1.13
Annual Transmission Charges						
Depreciation		5.46	5.46	5.44	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		15.02	15.02	15.02	15.02	0.00
Interest on Working Capital		1.23	1.28	1.33	1.30	1.13
O&M Expenses		20.95	22.04	23.21	24.42	25.69
Total		42.66	43.81	45.00	40.74	26.82
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

CALCULATION OF ANNUAL TRANSMISSION CHARGES

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Asset-32:

(Rs. In lakhs)

132 KV Chillakallu - Sitapuram						
COD:	06.04.2004	2005				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	27.2					
Transmission Line length in ckt km	2.50					
No. of bays	1					
Multiplication Factor	0.43					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		29.24	29.24	29.24	29.24	29.24
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		29.24	29.24	29.24	29.24	29.24
Average Gross Block		29.24	29.24	29.24	29.24	29.24
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	26.32	26.32	26.32	26.32	26.32
Elapsed life as on 31.03.2024		19.00	20.00	21.00	22.00	23.00
Balance useful life of the asset		6.00	5.00	4.00	3.00	2.00
Remaining depreciable value		2.99	2.39	1.80	1.20	0.60
Cumulative Depreciation		23.32	23.92	24.52	25.12	25.72
Depreciation		0.60	0.60	0.60	0.60	0.60
Interest on loan						
Gross Normative Loan		20.47	20.47	20.47	20.47	20.47
Cumulative repayment upto previous year		20.47	20.47	20.47	20.47	20.47
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		8.77	8.77	8.77	8.77	8.77
Opening Equity		8.77	8.77	8.77	8.77	8.77
Average Equity		8.77	8.77	8.77	8.77	8.77
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		1.65	1.65	1.65	1.65	1.65
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.51	2.64	2.78	2.92	3.07
O&M Expenses		1.39	1.47	1.54	1.62	1.71
Receivables		2.43	2.54	2.66	2.79	2.92
Total		6.33	6.65	6.98	7.33	7.70
Interest on Working Capital	12.15%	0.77	0.81	0.85	0.89	0.94
Annual Transmission Charges						
Depreciation		0.60	0.60	0.60	0.60	0.60
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		1.65	1.65	1.65	1.65	1.65
Interest on Working Capital		0.77	0.81	0.85	0.89	0.94
O&M Expenses		16.70	17.58	18.50	19.48	20.48
Total		19.72	20.63	21.60	22.61	23.66
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	D/C	0.369	0.388	0.409	0.430	0.453

Asset-33 :

(Rs. In lakhs)

132 KV Chillakallu - Kodada						
COD:	10.06.2004	2005				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	27.2					
Transmission Line length in ckt km	9.84					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		82.97	82.97	82.97	82.97	82.97
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		82.97	82.97	82.97	82.97	82.97
Average Gross Block		82.97	82.97	82.97	82.97	82.97
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	74.67	74.67	74.67	74.67	74.67
Elapsed life as on 31.03.2024		19.00	20.00	21.00	22.00	23.00
Balance useful life of the asset		6.00	5.00	4.00	3.00	2.00
Remaining depreciable value		8.50	6.80	5.09	3.39	1.69
Cumulative Depreciation		66.18	67.88	69.58	71.28	72.98
Depreciation		1.70	1.70	1.70	1.70	1.70
Interest on loan						
Gross Normative Loan		58.08	58.08	58.08	58.08	58.08
Cumulative repayment upto previous year		58.08	58.08	58.08	58.08	58.08
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		24.89	24.89	24.89	24.89	24.89
Opening Equity		24.89	24.89	24.89	24.89	24.89
Average Equity		24.89	24.89	24.89	24.89	24.89
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		4.67	4.67	4.67	4.67	4.67
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.73	2.87	3.02	3.18	3.35
O&M Expenses		1.52	1.60	1.68	1.77	1.86
Receivables		3.14	3.26	3.39	3.53	3.67
Total		7.39	7.73	8.10	8.48	8.88
Interest on Working Capital	12.15%	0.90	0.94	0.98	1.03	1.08
Annual Transmission Charges						
Depreciation		1.70	1.70	1.70	1.70	1.70
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		4.67	4.67	4.67	4.67	4.67
Interest on Working Capital		0.90	0.94	0.98	1.03	1.08
O&M Expenses		18.20	19.16	20.16	21.22	22.32
Total		25.47	26.47	27.52	28.63	29.78
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-34:

(Rs. In lakhs)

132 KV Sitapuram - KCP						
COD:	10.05.2010	2011				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	52.26					
Transmission Line length in ckt km	0.37					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		5.99	5.99	5.99	5.99	5.99
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		5.99	5.99	5.99	5.99	5.99
Average Gross Block		5.99	5.99	5.99	5.99	5.99
Depreciation						
Rate of depreciation		5.28%	5.28%	5.28%	5.28%	2.05%
Depreciable value	90%	5.39	5.39	5.39	5.39	5.39
Elapsed life as on 31.03.2024		13.00	14.00	15.00	16.00	17.00
Balance useful life of the asset		12.00	11.00	10.00	9.00	8.00
Remaining depreciable value		1.35	1.23	1.11	0.98	0.86
Cumulative Depreciation		4.04	4.17	4.29	4.41	4.54
Depreciation		0.12	0.12	0.12	0.12	0.12
Interest on loan						
Gross Normative Loan		4.20	4.20	4.20	4.20	4.20
Cumulative repayment upto previous year		3.92	4.04	4.17	4.20	4.20
Net loan - opening		0.28	0.15	0.03	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.12	0.12	0.03	0.00	0.00
Net loan - closing		0.15	0.03	0.00	0.00	0.00
Average Loan		0.21	0.09	0.01	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.02	0.01	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		1.80	1.80	1.80	1.80	1.80
Opening Equity		1.80	1.80	1.80	1.80	1.80
Average Equity		1.80	1.80	1.80	1.80	1.80
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.34	0.34	0.34	0.34	0.34
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.38	2.51	2.64	2.78	2.92
O&M Expenses		1.32	1.39	1.47	1.54	1.62
Receivables		2.10	2.21	2.32	2.44	2.56
Total		5.81	6.11	6.42	6.76	7.10
Interest on Working Capital	12.15%	0.71	0.74	0.78	0.82	0.86
Annual Transmission Charges						
Depreciation		0.12	0.12	0.12	0.12	0.12
Interest on Loan		0.02	0.01	0.00	0.00	0.00
Return on Equity		0.34	0.34	0.34	0.34	0.34
Interest on Working Capital		0.71	0.74	0.78	0.82	0.86
O&M Expenses		15.87	16.71	17.58	18.51	19.46
Total		17.06	17.92	18.82	19.79	20.79
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-35:

(Rs. In lakhs)

132 KV Tangeda - New Wadapalli (part of old line 132 KV Tangeda - Wadapalli)						
COD:	26.08.2010	2011				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	52.26					
Transmission Line length in ckt km	1.30					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		21.06	21.06	21.06	21.06	21.06
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		21.06	21.06	21.06	21.06	21.06
Average Gross Block		21.06	21.06	21.06	21.06	21.06
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	18.95	18.95	18.95	18.95	18.95
Elapsed life as on 31.03.2024		13.00	14.00	15.00	16.00	17.00
Balance useful life of the asset		12.00	11.00	10.00	9.00	8.00
Remaining depreciable value		4.75	4.32	3.88	3.45	3.02
Cumulative Depreciation		13.78	14.21	14.64	15.07	15.50
Depreciation		0.43	0.43	0.43	0.43	0.43
Interest on loan						
Gross Normative Loan		14.74	14.74	14.74	14.74	14.74
Cumulative repayment upto previous year		13.34	13.78	14.21	14.64	14.72
Net loan - opening		1.40	0.97	0.53	0.10	0.02
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.43	0.43	0.43	0.08	0.00
Net loan - closing		0.97	0.53	0.10	0.02	0.02
Average Loan		1.18	0.75	0.32	0.06	0.02
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.12	0.08	0.03	0.01	0.00
Return on Equity						
Gross Notional Equity		6.32	6.32	6.32	6.32	6.32
Opening Equity		6.32	6.32	6.32	6.32	6.32
Average Equity		6.32	6.32	6.32	6.32	6.32
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		1.19	1.19	1.19	1.19	1.19
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.41	2.54	2.68	2.82	2.96
O&M Expenses		1.34	1.41	1.49	1.56	1.65
Receivables		2.29	2.39	2.50	2.62	2.74
Total		6.05	6.35	6.66	7.00	7.35
Interest on Working Capital	12.15%	0.73	0.77	0.81	0.85	0.89
Annual Transmission Charges						
Depreciation		0.43	0.43	0.43	0.43	0.43
Interest on Loan		0.12	0.08	0.03	0.01	0.00
Return on Equity		1.19	1.19	1.19	1.19	1.19
Interest on Working Capital		0.73	0.77	0.81	0.85	0.89
O&M Expenses		16.10	16.95	17.83	18.77	19.74
Total		18.57	19.41	20.29	21.25	22.26
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

Asset-36:

(Rs. In lakhs)

132 KV Piduguralla – New Wadapalli (part of old line 132 KV Piduguralla – Wadapalli)						
COD:	22.02.2014	2014				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	94.67					
Transmission Line length in ckt km	1.30					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		38.15	38.15	38.15	38.15	38.15
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		38.15	38.15	38.15	38.15	38.15
Average Gross Block		38.15	38.15	38.15	38.15	38.15
Depreciation						
Rate of depreciation		5.28%	5.28%	5.28%	2.05%	2.05%
Depreciable value	90%	34.34	34.34	34.34	34.34	34.34
Elapsed life as on 31.03.2024		10.00	11.00	12.00	13.00	14.00
Balance useful life of the asset		15.00	14.00	13.00	12.00	11.00
Remaining depreciable value		12.18	10.16	8.15	7.37	6.59
Cumulative Depreciation		20.14	22.16	24.17	24.96	25.74
Depreciation		2.01	2.01	2.01	0.78	0.78
Interest on loan						
Gross Normative Loan		26.71	26.71	26.71	26.71	26.71
Cumulative repayment upto previous year		18.13	20.14	22.16	24.17	24.96
Net loan - opening		8.58	6.56	4.55	2.53	1.75
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		2.01	2.01	2.01	0.78	0.78
Net loan - closing		6.56	4.55	2.53	1.75	0.97
Average Loan		7.57	5.55	3.54	2.14	1.36
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.76	0.56	0.35	0.21	0.14
Return on Equity						
Gross Notional Equity		11.45	11.45	11.45	11.45	11.45
Opening Equity		11.45	11.45	11.45	11.45	11.45
Average Equity		11.45	11.45	11.45	11.45	11.45
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		2.15	2.15	2.15	2.15	2.15
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.41	2.54	2.68	2.82	2.96
O&M Expenses		1.34	1.41	1.49	1.56	1.65
Receivables		2.69	2.77	2.86	2.81	2.93
Total		6.44	6.73	7.02	7.19	7.53
Interest on Working Capital	12.15%	0.78	0.82	0.85	0.87	0.92
Annual Transmission Charges						
Depreciation		2.01	2.01	2.01	0.78	0.78
Interest on Loan		0.76	0.56	0.35	0.21	0.14
Return on Equity		2.15	2.15	2.15	2.15	2.15
Interest on Working Capital		0.78	0.82	0.85	0.87	0.92
O&M Expenses		16.10	16.95	17.83	18.77	19.74
Total		21.80	22.48	23.20	22.79	23.73
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302

CALCULATION OF ANNUAL TRANSMISSION CHARGES

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Asset-37A:

(Rs. In lakhs)

132 KV A.P.Carbides - Alampur – II (part of old line 132 KV A.P.Carbides - Gadwal)						
COD:	20.01.1987	1987				
Rationalised cost of 400kv line (Rs. lakh per ckt km)	0					
Transmission Line length in ckt km	4.66					
No. of bays	1					
Multiplication Factor	0.31					
Life in years	25					
Voltage kv	132					
Particulars		2024-25	2025-26	2026-27	2027-28	2028-29
Gross Block		0.00	0.00	0.00	0.00	0.00
Addition during FY 2024-25 to FY 2028-29 due projected additional capitalisation		-	-	-	-	-
Gross Block Total		0.00	0.00	0.00	0.00	0.00
Average Gross Block		0.00	0.00	0.00	0.00	0.00
Depreciation						
Rate of depreciation		2.05%	2.05%	2.05%	2.05%	2.05%
Depreciable value	90%	0.00	0.00	0.00	0.00	0.00
Elapsed life as on 31.03.2024		37.00	38.00	39.00	40.00	41.00
Balance useful life of the asset		0.00	0.00	0.00	0.00	0.00
Remaining depreciable value		0.00	0.00	0.00	0.00	0.00
Cumulative Depreciation		0.00	0.00	0.00	0.00	0.00
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on loan						
Gross Normative Loan		0.00	0.00	0.00	0.00	0.00
Cumulative repayment upto previous period/year		0.00	0.00	0.00	0.00	0.00
Net loan - opening		0.00	0.00	0.00	0.00	0.00
Addition due to additional capitalisation		0.00	0.00	0.00	0.00	0.00
Repayment during the year		0.00	0.00	0.00	0.00	0.00
Net loan - closing		0.00	0.00	0.00	0.00	0.00
Average Loan		0.00	0.00	0.00	0.00	0.00
Weighted average rate of interest on loan (%)		10.00%	10.00%	10.00%	10.00%	10.00%
Interest		0.00	0.00	0.00	0.00	0.00
Return on Equity						
Gross Notional Equity		0.00	0.00	0.00	0.00	0.00
Opening Equity		0.00	0.00	0.00	0.00	0.00
Average Equity		0.00	0.00	0.00	0.00	0.00
Rate of Return on Equity		18.78%	18.78%	18.78%	18.78%	18.78%
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital						
Maintenance Spares	15% of O&M	2.54	2.67	2.81	2.96	3.11
O&M Expenses		1.41	1.48	1.56	1.64	1.73
Receivables		2.18	2.29	2.41	2.54	2.67
Total		6.13	6.45	6.79	7.15	7.52
Interest on Working Capital	12.15%	0.74	0.78	0.82	0.87	0.91
Annual Transmission Charges						
Depreciation		0.00	0.00	0.00	0.00	0.00
Interest on Loan		0.00	0.00	0.00	0.00	0.00
Return on Equity		0.00	0.00	0.00	0.00	0.00
Interest on Working Capital		0.74	0.78	0.82	0.87	0.91
O&M Expenses		16.93	17.82	18.75	19.74	20.76
Total		17.67	18.60	19.57	20.61	21.67
Norms for O&M per bay	132KV	15.78	16.61	17.48	18.40	19.35
Norms for O&M per km	S/C	0.246	0.259	0.272	0.287	0.302



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Certificate

Annexure P-13

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 Kalpaka - Asupaka** is detailed as under:

(Amount in Lakhs)

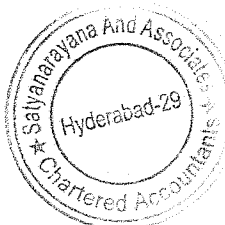
S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2014 to 31.03.2015								
2	Expenditure from 01.04.2015 to 31.03.2016								
3	Expenditure from 01.04.2016 to 31.03.2017			3056.17				3056.17	320.90
4	Expenditure from 01.04.2017 to 31.03.2018			195.68				195.68	20.55
5	Expenditure from 01.04.2018 to 31.03.2019			10.59				10.59	1.11
	Total			3262.44				3262.44	342.56

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

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: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants



(CA. V. Satyanarayana)
Partner.

M. NO. 204487

FRN: 007663S

UDI No. 20204487AAAABZ1245

PART-III
FORM-1Summary Sheet

Asset 2B

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

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS
(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	172.26	172.26	172.26	172.26	172.26
1.2	Interest on Loan	9E	105.42	88.20	70.97	53.75	36.52
1.3	Return on Equity	8	183.82	183.82	183.82	183.82	183.82
1.4	Interest on Working Capital	11	8.96	8.80	8.65	8.50	8.35
1.5	O & M Expenses		44.17	46.48	48.91	51.48	54.18
	Total		514.63	499.56	484.61	469.80	455.13

(Petitioner)

Normative parameters considered for tariff computations
Asset 2B

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: LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Normative O&M per bay	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 2B

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

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	3262.44	3262.44	3262.44	3262.44	3262.44
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	342.56	342.56	342.56	342.56	342.56
	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	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	0.00	0.00	0.00	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	3262.44	3262.44	3262.44	3262.44	3262.44
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	342.56	342.56	342.56	342.56	342.56
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress
Asset 2B

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

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 2B

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission Element or
Communication System

Transmission Corporation of Telangana Limited
Telangana

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS
(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		2283.71		2283.71		2283.71
Loan-II						
Loan-III						
Total Loans		2283.71		2283.71		2283.71
Equity-		978.73		978.73		978.73
Foreign						
Domestic						
Total Equity		978.73		978.73		978.73
Debt : Equity Ratio		70 : 30				
Total Cost		3262.44		3262.44		3262.44
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	-	-	-			
Add cap for 2016-17	-	-	-			
Add cap for 2017-18	2276.30	975.56	3251.85			
Add cap for 2018-19	7.41	3.18	10.59			
	2283.71	978.73	3262.44			
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.						

(Petitioner)

Calculation of Return on Equity**Asset 2B**

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

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	978.73	978.73	978.73	978.73	978.73
1.2	Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
1.3	Closing Equity	978.73	978.73	978.73	978.73	978.73
1.4	Average Equity	978.73	978.73	978.73	978.73	978.73
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	183.82	183.82	183.82	183.82	183.82

(Petitioner)

Calculation of Interest on Normative Loan
Asset 2B

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: LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	2283.71	2283.71	2283.71	2283.71	2283.71
Cumulative repayment of Normative Loan upto previous year	1143.34	1315.59	1487.85	1660.11	1832.36
Net Normative loan - Opening	1140.37	968.12	795.86	623.60	451.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	172.26	172.26	172.26	172.26	172.26
Net Normative loan - Closing	968.12	795.86	623.60	451.34	279.09
Average Normative Loan	1054.24	881.99	709.73	537.47	365.22
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	105.42	88.20	70.97	53.75	36.52

(Petitioner)

Statement of Depreciation
Asset 2B

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

LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	3262.44	3262.44	3262.44	3262.44	3262.44
2	Closing Capital Cost	3262.44	3262.44	3262.44	3262.44	3262.44
3	Average Capital Cost	3262.44	3262.44	3262.44	3262.44	3262.44
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	2936.20	2936.20	2936.20	2936.20	2936.20
7	Balance useful life at the beginning of the period	18	17	16	15	14
8	Remaining depreciable value	1620.60	1448.35	1276.09	1103.83	931.58
9	Depreciation (for the period)	172.26	172.26	172.26	172.26	172.26
10	Depreciation (annualised)	172.26	172.26	172.26	172.26	172.26
11	Cumulative depreciation at the end of the period	1315.59	1487.85	1660.11	1832.36	2004.62
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	1315.59	1487.85	1660.11	1832.36	2004.62

(Petitioner)

Calculation of Interest on Working Capital

Asset 2B

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 **LILO of 400 KV Kalpaka to Khammam - I at Asupaka SS**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	3.68	3.87	4.08	4.29	4.52
2	Maintenance Spares	6.63	6.97	7.34	7.72	8.13
3	Receivables	63.45	61.59	59.75	57.92	56.11
4	Total Working Capital	73.75	72.43	71.16	69.93	68.75
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	8.96	8.80	8.65	8.50	8.35

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 2B**

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 SystemLILO of 400 KV Kalpaka to Khammam - I
at Asupaka SS

(Amount in lakhs)

Date of Commencement	10-Aug-17
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	3,262.44
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	3,262.44
Sub-Station Equipments	
PLCC	
Total:	3,262.44
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	2283.71
Equity	978.73
Total :	3262.44
Cumulative amount of depreciation	2004.62
Cumulative repayment of loan	2004.62
Initial Spares	

(Petitioner)

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

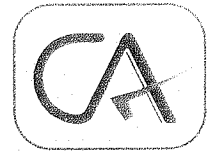
Asset 2B

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project: LILO of 400 KV Kalpaka to Khammam - I at Asupaka
 Name of the Transmission Element or Communication System: SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	2,283.71	2,283.71	2,283.71	2,283.71	2,283.71
Cumulative repayments of Loans upto previous year	1,141.85	1,370.22	1,598.60	1,826.97	2,055.34
Net loan - Opening	1,141.86	913.49	685.11	456.74	228.37
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	228.37	228.37	228.37	228.37	228.37
Net loan - Closing	913.49	685.11	456.74	228.37	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	103.72	80.88	58.04	35.21	12.37
Loan repayment effective from (date to be indicated)		Apr-19			

(Petitioner)



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 VTPS- Suryapet- 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 01.04.2014 to 31.03.2015								
2	Expenditure from 01.04.2015 to 31.03.2016			625.20				625.20	65.65
3	Expenditure from 01.04.2016 to 31.03.2017								
4	Expenditure from 01.04.2017 to 31.03.2018								
5	Expenditure from 01.04.2018 to 31.03.2019								
	Total			625.20				625.20	65.65

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

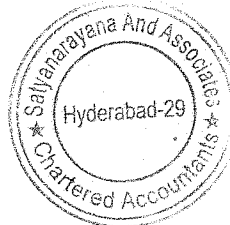
Further IDC has been calculated @10.50% on an average based on the rate of paid on term loans, since the interest during the construction period includes interest on other works under construction in books of accounts.

Place: Hyderabad
Date: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants

V. V. Satyanarayana

(CA. V. Satyanarayana)
Partner.
M. NO. 204487
FRN: 007663S
UDI No. 20204487AAAACC5073



PART-III
FORM-1Summary Sheet

Asset 4B&5B

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

LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	33.01	33.01	33.01	32.90	12.82
1.2	Interest on Loan	9E	15.69	12.39	9.08	5.79	3.50
1.3	Return on Equity	8	35.23	35.23	35.23	35.23	35.23
1.4	Interest on Working Capital	11	3.96	4.05	4.15	4.25	4.08
1.5	O & M Expenses		61.04	64.24	67.61	71.17	74.89
	Total		148.93	148.92	149.08	149.34	130.51

(Petitioner)

Normative parameters considered for tariff computations
Asset 4B&5B

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 **LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS**
 (Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Normative O&M per bay	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 4B&5B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 400KV VTPS to Malkaram - I&II at
Suryapet SSName of the Transmission Element or
Communication System

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	625.20	625.20	625.20	625.20	625.20
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	65.65	65.65	65.65	65.65	65.65
	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	-	-	-	-	-
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	-	-	-	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-
C	a) Closing Gross Block Amount as per books	625.20	625.20	625.20	625.20	625.20
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	65.65	65.65	65.65	65.65	65.65
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress**Asset 4B&5B**

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

LILO of 400KV VTPS to Malkaram – I&II at Suryapet SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 4B&5B

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 SystemLILO of 400KV VTPS to Malkaram - I&II at Suryapet SS
(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		437.64		437.64		437.64
Loan-II						
Loan-III						
Total Loans		437.64		437.64		437.64
Equity-		187.56		187.56		187.56
Foreign						
Domestic						
Total Equity		187.56		187.56		187.56
Debt : Equity Ratio		70 : 30				
Total Cost		625.20		625.20		625.20
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	437.64	187.56	625.20			
Add cap for 2016-17	-	-	-			
Add cap for 2017-18	-	-	-			
Add cap for 2018-19	-	-	-			
	437.64	187.56	625.20			
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.						

(Petitioner)

Calculation of Return on Equity
Asset 4B&5B

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

LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	187.56	187.56	187.56	187.56	187.56
1.2	Additional Capital made during the year.	-	-	-	-	-
1.3	Closing Equity	187.56	187.56	187.56	187.56	187.56
1.4	Average Equity	187.56	187.56	187.56	187.56	187.56
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	35.23	35.23	35.23	35.23	35.23

(Petitioner)

Calculation of Interest on Normative Loan
Asset 4B&5B

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: LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	437.64	437.64	437.64	437.64	437.64
Cumulative repayment of Normative Loan upto previous year	264.27	297.28	330.29	363.30	396.20
Net Normative loan - Opening	173.37	140.36	107.35	74.34	41.44
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	33.01	33.01	33.01	32.90	12.82
Net Normative loan - Closing	140.36	107.35	74.34	41.44	28.63
Average Normative Loan	156.87	123.86	90.85	57.89	35.03
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	15.69	12.39	9.08	5.79	3.50

(Petitioner)

Statement of Depreciation
Asset 4B&5B

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: LILO of 400KV VTPS to Malkaram – I&II at Suryapet SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	625.20	625.20	625.20	625.20	625.20
2	Closing Capital Cost	625.20	625.20	625.20	625.20	625.20
3	Average Capital Cost	625.20	625.20	625.20	625.20	625.20
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	2.05%
6	Depreciable value	562.68	562.68	562.68	562.68	562.68
7	Balance useful life at the beginning of the period	16	15	14	13	12
8	Remaining depreciable value	265.40	232.39	199.38	166.48	153.67
9	Depreciation (for the period)	33.01	33.01	33.01	32.90	12.82
10	Depreciation (annualised)	33.01	33.01	33.01	33.01	12.82
11	Cumulative depreciation at the end of the period	297.28	330.29	363.30	396.20	409.01
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	297.28	330.29	363.30	396.20	409.01

(Petitioner)

Calculation of Interest on Working Capital
Asset 4B&5B

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 **LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS**
 (Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	5.09	5.35	5.63	5.93	6.24
2	Maintenance Spares	9.16	9.64	10.14	10.68	11.23
3	Receivables	18.36	18.36	18.38	18.41	16.09
4	Total Working Capital	32.60	33.35	34.16	35.02	33.56
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	3.96	4.05	4.15	4.25	4.08

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 4B&5B**

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: LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS

(Amount in lakhs)

Date of Commencement	30-Mar-16
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	625.20
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	625.20
Sub-Station Equipments	
PLCC	
Total:	625.20
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	437.64
Equity	187.56
Total :	625.20
Cumulative amount of depreciation	409.01
Cumulative repayment of loan	409.01
Initial Spares	

(Petitioner)

Calculation of Weighted Average Rate of Interest on Actual Loans
Asset 4B&5B

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: LILO of 400KV VTPS to Malkaram - I&II at Suryapet SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	437.63	437.63	437.63	437.63	437.63
Cumulative repayments of Loans upto previous year	295.40	339.16	382.93	426.69	437.63
Net loan - Opening	142.23	98.47	54.70	10.94	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	43.76	43.76	43.76	10.94	-
Net loan - Closing	98.47	54.70	10.94	-	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	12.22	7.84	3.46	0.18	0.00
Loan repayment effective from (date to be indicated)		Jul-17			

(Petitioner)

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 KTPS to LSR I at Asupaka SS** is detailed as under:

(Amount in Lakhs)

S. No	Particulars	Free hold 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 01.04.2018 to 31.03.2019			96.09				96.09	10.09
2	Expenditure from 01.04.2019 to 31.03.2020			273.74				273.74	28.74
3	Expenditure from 01.04.2020 to 31.03.2021			45.81				45.81	4.81
4	Expenditure from 01.04.2021 to 31.03.2022			(5.00)				(5.00)	-
5	Expenditure from 01.04.2022 to 31.03.2023			-				-	-
6	Expenditure from 01.04.2023 to 31.03.2024			1.00				1.00	-
	Total			411.64				411.64	43.64

We certify that we have verified expenditure upto 30.09.2024 as referred above on the basis of the information drawn from the books of accounts and audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2024.

Further IDC has been calculated @10.50% on an average based on the rate of interest 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: 22/11/2024



For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA. Manchikanti Shashank)
 Partner.
 M. NO. 273020
 UDIN: 24273020BKAGVG4557

Branches:

- Flat No 208, 3rd Floor, DSL Abacus IT Park, Beside DSL Virtue Mall, Uppal, Hyderabad, Telangana - 500 039.
- 8-389/2, Chandra Mouli Nagar, Yerramukkapally, Kadapa, Andhra Pradesh - 516004.
- D. No. 15-745-1, Pavan Complex, Raju Road, Kamalanagar, Anantapur, Andhra Pradesh - 515001.
- D. No. 102-5-197, 1st Floor, Mahalakshmi Complex, Bommuru, Rajahmundry Rural, Andhra Pradesh - 533124.
- D. No.10-4-4/1/44, Flat No.502, Aditya Enclave, Bank Colony, Arepally Road, Karimnagar, Telangana - 505001.
- D. No. 5-11-13/A, 2/10, Brodiept, Guntur, Andhra Pradesh - 522002.

PART-III
FORM-1Summary SheetAsset 8B

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission Element or
Communication System

Transmission Corporation of Telangana Limited
Telangana

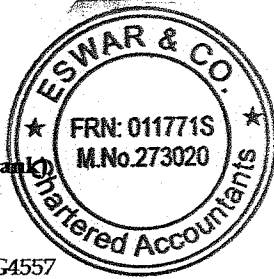
LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	21.73	21.73	21.73	21.73	21.73
1.2	Interest on Loan	9E	19.43	17.25	15.08	12.91	10.73
1.3	Return on Equity	8	23.19	23.19	23.19	23.19	23.19
1.4	Interest on Working Capital	11	1.89	1.91	1.93	1.95	1.97
1.5	O & M Expenses		20.79	21.88	23.04	24.24	25.51
	Total		87.04	85.97	84.97	84.03	83.14

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVG4557
Date: 22/11/2024



(Petitioner)

V. Raghav
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Normative parameters considered for tariff computationsAsset 8B

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: LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in Rs.Lakh)

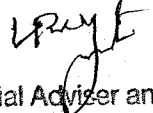
Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.246	0.259	0.272	0.287	0.302
Normative O&M per bay	Rs. Lakh	20.670	21.750	22.900	24.100	25.360
Spares for WC as % of O&M	%	15.00	15.00	15.00	15.00	15.00
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2024	%	10.00	10.00	10.00	10.00	10.00

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S


 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVG4557
 Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

PART-III
FORM-4AStatement of Capital costAsset 8B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 220KV KTPS to LSR I at Asupaka SS

Name of the Transmission Element or
Communication System

(Amount in Rs.Lakh)

S.No.	Particulars	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	0.00	415.64	410.64	410.64	411.64	411.64	411.64	411.64	411.64
	b) Amount of capital liabilities in A(a) above									
	c) Amount of IDC included in A(a) above	0.00	43.64	43.64	43.64	43.64	43.64	43.64	43.64	43.64
	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	415.64	(5.00)	0.00	1.00	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above									
	c) Amount of IDC included in B(a) above	43.64	0.00	0.00	0.00	0.00	0.00	0.00	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	415.64	410.64	410.64	411.64	411.64	411.64	411.64	411.64	411.64
	b) Amount of capital liabilities in C(a) above									
	c) Amount of IDC included in C(a) above	43.64	43.64	43.64	43.64	43.64	43.64	43.64	43.64	43.64
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-	-	-	-	-

For M/s. Eswar & Co.,

Chartered Accountants

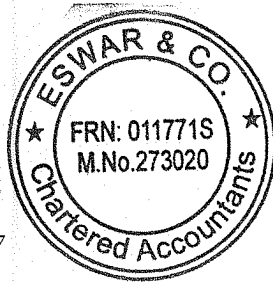
FRN: 011771S


 (CA Manchikanti Shashank)
 Partner

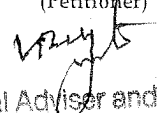
M.no.273020

UDIN:24273020BKAGVG4557

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Capital Works in Progress

Asset 8B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

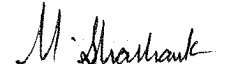
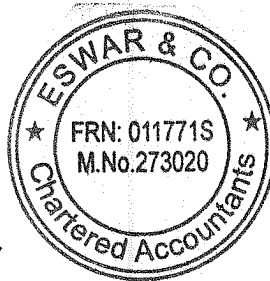
Name of the Project:

Name of the Transmission Element or
Communication System

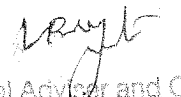
LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in Rs.Lakh)

S.No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	96.09	369.83	-	-	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	10.09	38.83	-	-	-	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	96.09	273.74	45.81	(5.00)	-	1.00	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	10.09	28.74	4.81	-	-	-	-	-	-	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year			415.64	(5.00)	-	1.00	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	-	43.64	-	-	-	-	-	-	-	-
D	a) Closing CWIP Amount as per books	96.09	369.83	-	-	-	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	10.09	38.83	-	-	-	-	-	-	-	-	-

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVG4557
Date: 22/11/2024


(Petitioner)


Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Financial Package upto COD

Asset 8B

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

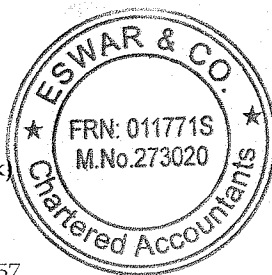
LILO of 220KV KTPS to LSR I at Asupaka SS

(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		105.70		290.95		290.95
Loan-II						
Loan-III						
Total Loans		105.70		290.95		290.95
Equity-		45.30		124.69		124.69
Foreign						
Domestic						
Total Equity		45.30		124.69		124.69
Debt : Equity Ratio		70 : 30				
Total Cost		151.00		415.64		415.64
	Debt	Equity	Total			
Add cap for 2018-19	67.26	28.83	96.09			
Add cap for 2019-20	191.62	82.12	273.74			
Add cap for 2020-21	32.07	13.74	45.81			
Add cap for 2021-22	-3.50	-1.50	-5.00			
Add cap for 2022-23	0.00	0.00	0.00			
Add cap for 2023-24	0.70	0.30	1.00			
	288.15	123.49	411.64			
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. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVG4557
Date: 22/11/2024



(Petitioner)

V. Raghav
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Interest on Normative Loan

Asset 8B

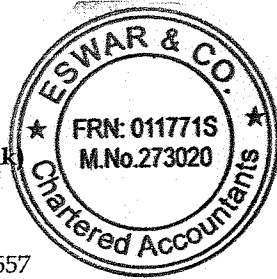
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	288.15	288.15	288.15	288.15	288.15
Cumulative repayment of Normative Loan upto previous year	83.00	104.74	126.47	148.21	169.94
Net Normative loan - Opening	205.15	183.41	161.68	139.94	118.21
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	21.73	21.73	21.73	21.73	21.73
Net Normative loan - Closing	183.41	161.68	139.94	118.21	96.47
Average Normative Loan	194.28	172.55	150.81	129.08	107.34
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	19.43	17.25	15.08	12.91	10.73

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.No.273020
 UDIN:24273020BKAGVG4557
 Date: 22/11/2024



(Petitioner)

V. R. K.
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Weighted Average Rate of Interest on Actual Loans

Asset 8B

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project: LILO of 220KV KTPS to LSR I at Asupaka SS
 Name of the Transmission Element or Communication System

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-I					
Gross loan - Opening	291.65	291.65	291.65	291.65	291.65
Cumulative repayments of Loans upto previous year	72.78	101.97	131.16	160.34	189.53
Net loan - Opening	218.87	189.68	160.49	131.31	102.12
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	29.19	29.19	29.19	29.19	29.19
Net loan - Closing	189.68	160.49	131.31	102.12	72.93
Average Net Loan	204.28	175.09	145.90	116.71	87.52
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	20.55	17.63	14.71	11.79	8.88
Loan repayment effective from (date to be indicated)	Jun-21				

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

U. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVG4557
 Date: 22/11/2024



(Petitioner)

V. Soudha
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Depreciation

Asset 8B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 220KV KTPS to LSR I at Asupaka SS

Name of the Transmission Element or
Communication System

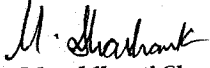
(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	411.64	411.64	411.64	411.64	411.64
2	Closing Capital Cost	411.64	411.64	411.64	411.64	411.64
3	Average Capital Cost	411.64	411.64	411.64	411.64	411.64
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	370.48	370.48	370.48	370.48	370.48
7	Balance useful life at the beginning of the period	21	20	19	18	17
8	Remaining depreciable value	265.74	244.01	222.27	200.54	178.80
9	Depreciation (for the period)	21.73	21.73	21.73	21.73	21.73
10	Depreciation (annualised)	21.73	21.73	21.73	21.73	21.73
11	Cumulative depreciation at the end of the period	104.74	126.47	148.21	169.94	191.68
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	104.74	126.47	148.21	169.94	191.68

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S


 (CA Manchikanti Shashank)

Partner

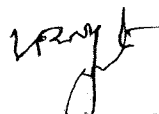
M.no.273020

UDIN:24273020BKAGVG4557

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Interest on Working Capital

Asset 8B

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: LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	1.73	1.82	1.92	2.02	2.13
2	Maintenance Spares	3.12	3.28	3.46	3.64	3.83
3	Receivables	10.73	10.60	10.48	10.36	10.25
4	Total Working Capital	15.58	15.70	15.85	16.02	16.20
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	1.89	1.91	1.93	1.95	1.97

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVG4557
 Date: 22/11/2024



(Petitioner)

V. R. K.
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS

Asset 8B

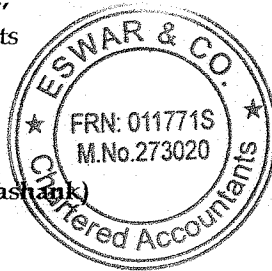
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: LILO of 220KV KTPS to LSR I at Asupaka SS

(Amount in lakhs)

Date of Commencement	09.06.2020
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 30.11.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	151.00
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	411.64
Sub-Station Equipments	
PLCC	
Total:	411.64
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	288.15
Equity	123.49
Total :	411.64
Cumulative amount of depreciation	191.68
Cumulative repayment of loan	191.68
Initial Spares	

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVG4557
 Date: 22/11/2024



(Petitioner)

[Signature]
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 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 Lower Sileru-KTPS at BG kottur SS** is detailed as under:

(Amount in Lakhs)

S. No	Particulars	Free hold 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 01.04.2018 to 31.03.2019			199.44				199.44	20.94
2	Expenditure from 01.04.2019 to 31.03.2020			1454.75				1454.75	152.75
3	Expenditure from 01.04.2020 to 31.03.2021			465.92				465.92	48.92
4	Expenditure from 01.04.2021 to 31.03.2022			(0.11)				(0.11)	(0.01)
5	Expenditure from 01.04.2022 to 31.03.2023			14.86				14.86	1.56
6	Expenditure from 01.04.2023 to 31.03.2024			66.00				66.00	-
7	Expenditure from 01.04.2024 to 31.03.2025			0.50				0.50	-
	Total			2201.36				2201.36	224.16

We certify that we have verified expenditure upto 30.09.2024 as referred above on the basis of the information drawn from the books of accounts and audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2024.

Further IDC has been calculated @10.50% on an average based on the rate of interest 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: 22/11/2024



For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA. Manchikanti Shashank)
Partner.
M. NO. 273020
UDIN: 24273020BKAGVH2236

Branches:

- Flat No 208, 3rd Floor, DSL Abacus IT Park, Beside DSL Virtue Mall, Uppal, Hyderabad, Telangana - 500 039.
- 8-389/2, Chandra Mouli Nagar, Yerramukkapally, Kadapa, Andhra Pradesh - 516004.
- D. No. 15-745-1, Pavan Complex, Raju Road, Kamalanagar, Anantapur, Andhra Pradesh - 515001.
- D. No. 102-5-197, 1st Floor, Mahalakshmi Complex, Bommuru, Rajahmundry Rural, Andhra Pradesh - 533124.
- D. No.10-4-4/1/44, Flat No.502, Aditya Enclave, Bank Colony, Arepally Road, Karimnagar, Telangana - 505001
- D. No. 5-11-13/A, 2/10, Brodiept, Guntur, Andhra Pradesh - 522002.

Summary SheetAsset 9B

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

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

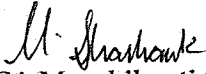
(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	116.22	116.23	116.23	116.23	116.23
1.2	Interest on Loan	9E	127.65	116.04	104.42	92.80	81.17
1.3	Return on Equity	8	124.02	124.03	124.03	124.03	124.03
1.4	Interest on Working Capital	11	6.68	6.57	6.45	6.34	6.23
1.5	O & M Expenses		24.78	26.08	27.44	28.89	30.40
	Total		399.35	388.95	378.58	368.29	358.07

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

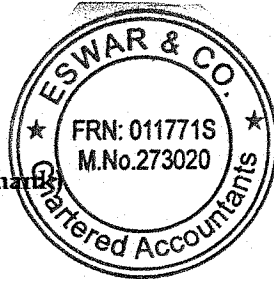

 (CA Manchikanti Shashank)

Partner

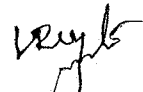
M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Normative parameters considered for tariff computations

Asset 9B

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

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

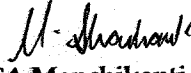
(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.246	0.259	0.272	0.287	0.302
Normative O&M per bay	Rs. Lakh	20.670	21.750	22.900	24.100	25.360
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

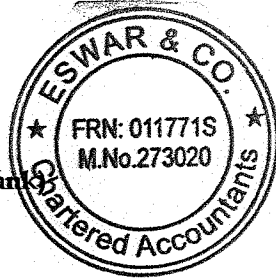

 (CA Manchikanti Shashank)

Partner

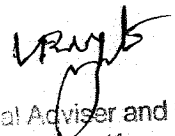
M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

PART-III
FORM-4AStatement of Capital cost

Asset 9B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

Name of the Transmission Element or

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

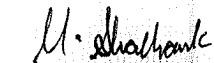
Communication System

		(Amount in Rs.Lakh)				(Amount in Rs.Lakh)		
S.No.	Particulars	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	0.00	2134.86	2200.86	2201.36	2201.36	2201.36	2201.36
	b) Amount of capital liabilities in A(a) above							
	c) Amount of IDC included in A(a) above	0.00	224.16	224.16	224.16	224.16	224.16	224.16
	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	2134.86	66.00	0.50	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above							
	c) Amount of IDC included in B(a) above	224.16	0.00	0.00	0.00	0.00	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	2134.86	2200.86	2201.36	2201.36	2201.36	2201.36	2201.36
	b) Amount of capital liabilities in C(a) above							
	c) Amount of IDC included in C(a) above	224.16	224.16	224.16	224.16	224.16	224.16	224.16
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-	-	-

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S



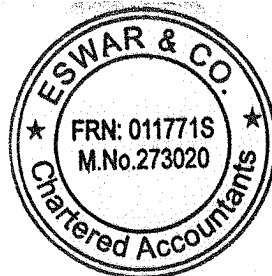
(CA Manchikanti Shashank)

Partner

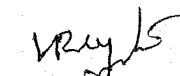
M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Capital Works in Progress
Asset 9B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

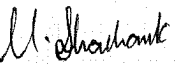
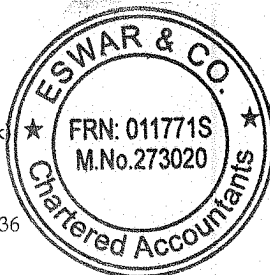
Name of the Project:

Name of the Transmission Element or
Communication System

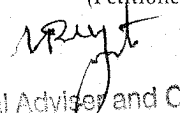
LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Amount in Rs.Lakh)

S.No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	199.44	1,654.19	2,120.11	2,120.00	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	20.94	173.69	222.61	222.60	-	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	199.44	1,454.75	465.92	(0.11)	14.86	66.00	0.5	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	20.94	152.75	48.92	(0.01)	1.56	-	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	2,134.86	66.00	0.50	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	-	-	-	224.16	-	-	-	-	-	-
D	a) Closing CWIP Amount as per books	199.44	1,654.19	2,120.11	2,120.00	-	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	20.94	173.69	222.61	222.60	-	-	-	-	-	-	-

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVH2236
 Date: 22/11/2024


(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Financial Package upto COD

Asset 9B

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

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(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		1540.00		1494.40		1494.40
Loan-II						
Loan-III						
Total Loans		1540.00		1494.40		1494.40
Equity-		660.00		640.46		640.46
Foreign						
Domestic						
Total Equity		660.00		640.46		640.46
Debt : Equity Ratio		70 : 30				
Total Cost		2200.00		2134.86		2134.86
	Debt	Equity	Total			
Add cap for 2018-19	139.61	59.83	199.44			
Add cap for 2019-20	1018.32	436.42	1454.75			
Add cap for 2020-21	326.15	139.78	465.92			
Add cap for 2021-22	-0.08	-0.03	-0.11			
Add cap for 2022-23	10.40	4.46	14.86			
Add cap for 2023-24	46.20	19.80	66.00			
Add cap for 2024-25	0.35	0.15	0.50			
	1540.95	660.41	2201.36			
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. Eswar & Co.,

Chartered Accountants

FRN: 011771S

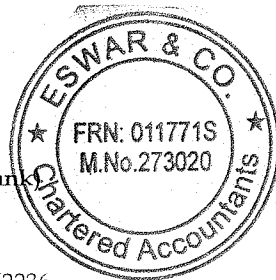
(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)

Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Return on Equity
Asset 9B

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission Element or
Communication System

Transmission Corporation of Telangana Limited
Telangana

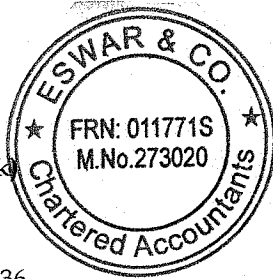
LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	660.26	660.41	660.41	660.41	660.41
1.2	Additional Capital made during the year.	0.15	0.00	0.00	0.00	0.00
1.3	Closing Equity	660.41	660.41	660.41	660.41	660.41
1.4	Average Equity	660.33	660.41	660.41	660.41	660.41
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	124.02	124.03	124.03	124.03	124.03

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVH2236
Date: 22/11/2024



(Petitioner)

V. R. S.
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Interest on Normative Loan

Asset 9B

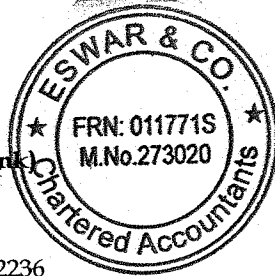
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	1540.60	1540.95	1540.95	1540.95	1540.95
Cumulative repayment of Normative Loan upto previous year	206.18	322.40	438.63	554.87	671.10
Net Normative loan - Opening	1334.42	1218.55	1102.32	986.09	869.85
Increase/Decrease due to ACE/de-capitalisation during the year	0.35	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	116.22	116.23	116.23	116.23	116.23
Net Normative loan - Closing	1218.55	1102.32	986.09	869.85	753.62
Average Normative Loan	1276.48	1160.43	1044.20	927.97	811.74
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	127.65	116.04	104.42	92.80	81.17

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVH2236
 Date: 22/11/2024



(Petitioner)

V. Raghav
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Weighted Average Rate of Interest on Actual Loans

Asset 9B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

Name of the Transmission Element or

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

Communication System

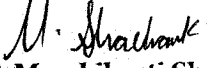
(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-I					
Gross loan - Opening	1,540.68	1,541.03	1,541.03	1,541.03	1,541.03
Cumulative repayments of Loans upto previous year	375.62	530.98	686.36	841.74	997.12
Net loan - Opening	1,165.06	1,010.05	854.67	699.29	543.91
Add: Drawal(s) during the Year	0.35	-	-	-	-
Less: Repayment (s) of Loans during the year	155.36	155.38	155.38	155.38	155.38
Net loan - Closing	1,010.05	854.67	699.29	543.91	388.53
Average Net Loan	1,087.55	932.36	776.98	621.60	466.22
Rate of Interest on Loan on annual basis	10%	10%	10%	10%	10%
Interest on loan	109.40	93.88	78.34	62.80	47.26
Loan repayment effective from (date to be indicated)	Jun-21				

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S


 (CA Manchukanti Shashank)

Partner

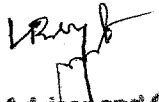
M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)


**Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO**
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Depreciation

Asset 9B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 220KV Lower Sileru-KTPS at BG kottur SS

Name of the Transmission Element or
Communication System

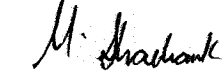
(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	2200.86	2201.36	2201.36	2201.36	2201.36
2	Closing Capital Cost	2201.36	2201.36	2201.36	2201.36	2201.36
3	Average Capital Cost	2201.11	2201.36	2201.36	2201.36	2201.36
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	1981.22	1981.22	1981.22	1981.22	1981.22
7	Balance useful life at the beginning of the period	23	22	21	20	19
8	Remaining depreciable value	1658.82	1542.59	1426.36	1310.13	1193.89
9	Depreciation (for the period)	116.22	116.23	116.23	116.23	116.23
10	Depreciation (annualised)	116.22	116.23	116.23	116.23	116.23
11	Cumulative depreciation at the end of the period	322.40	438.63	554.87	671.10	787.33
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	322.40	438.63	554.87	671.10	787.33

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S



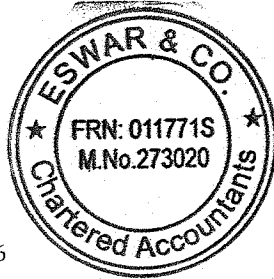
(CA Manchikanti Shashank)

Partner

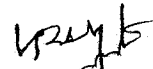
M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)



Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Interest on Working Capital
Asset 9B

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: LILO of 220KV Lower Sileru-KTPS at BG kottur SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	2.06	2.17	2.29	2.41	2.53
2	Maintenance Spares	3.72	3.91	4.12	4.33	4.56
3	Receivables	49.23	47.95	46.67	45.41	44.14
4	Total Working Capital	55.02	54.04	53.08	52.15	51.24
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	6.68	6.57	6.45	6.34	6.23

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVH2236
 Date: 22/11/2024



(Petitioner)

V. Raghav
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

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

Asset 9B

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 SystemLILO of 220KV Lower Sileru-KTPS at BG
kottur SS

(Amount in lakhs)

Date of Commencement	08.06.2022
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 30.11.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	2,200.00
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	2,201.36
Sub-Station Equipments	
PLCC	
Total:	2,201.36
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	1,540.95
Equity	660.41
Total :	2,201.36
Cumulative amount of depreciation	787.33
Cumulative repayment of loan	787.33
Initial Spares	

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

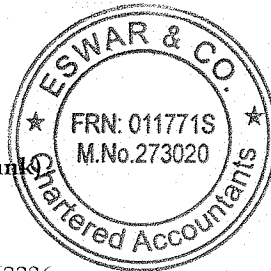
(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVH2236

Date: 22/11/2024



(Petitioner)

Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
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 Srisailam – Domalapenta** is detailed as under:

(Amount in Lakhs)

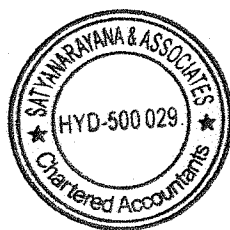
S. No.	Particulars	Free hold Land	Buildings and civil works	Tr. Lines	Sub-station	PLCC/ Commu nication system	IT equipment including Software	Total	IDC Inclu. in the Total
1	Expenditure from 01.04.2018 to 31.03.2019			18.01				18.01	1.98
2	Expenditure from 01.04.2019 to 31.03.2020			4.25				4.25	0.47
3	Expenditure from 01.04.2020 to 31.03.2021			8.15				8.15	0.90
4	Expenditure from 01.04.2021 to 31.03.2022								
5	Expenditure from 01.04.2022 to 31.03.2023								
6	Expenditure from 01.04.2023 to 31.03.2024								
	Total			30.41				30.41	3.35

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

Further IDC has been calculated @11.00% on an average on the rate of interest 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 : 18.02.2021

For M/s.Satyanarayana and Associates,
Chartered Accountants



V S No
(CA.V.Satyanarayana)
Partner.
M.No.204487
FRN: 007663S
UDI No.21204487AAAADA8534

Summary Sheet
Asset 11B

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

LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	1.61	1.61	1.61	1.61	1.61
1.2	Interest on Loan	9E	1.32	1.15	0.99	0.83	0.67
1.3	Return on Equity	8	1.71	1.71	1.71	1.71	1.71
1.4	Interest on Working Capital	11	0.98	1.03	1.08	1.13	1.18
1.5	O & M Expenses		20.78	21.87	23.02	24.23	25.50
	Total		26.40	27.37	28.41	29.51	30.67

(Petitioner)

Normative parameters considered for tariff computations**Asset 11B**

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: LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.369	0.388	0.409	0.430	0.453
Normative O&M per bay	Rs. Lakh	20.670	21.750	22.900	24.100	25.360
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2019	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 11B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 220 KV Srisailem - Dindi - II at

Name of the Transmission Element or
Communication System

Domalapenta SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	30.41	30.41	30.41	30.41	30.41
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	3.35	3.35	3.35	3.35	3.35
	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	-	-	-	-	-
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	-	-	-	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-
C	a) Closing Gross Block Amount as per books	30.41	30.41	30.41	30.41	30.41
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	3.35	3.35	3.35	3.35	3.35
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress
Asset 11B

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 SystemLII.O of 220 KV Srisailam – Dindi – II at Domalapenta
SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 11B

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project: LILO of 220 KV Srisailam – Dindi – II at Domalapenta
 Name of the Transmission Element or Communication System: SS

(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		21.29		21.29		21.29
Loan-II						
Loan-III						
Total Loans		21.29		21.29		21.29
Equity-		9.12		9.12		9.12
Foreign						
Domestic						
Total Equity		9.12		9.12		9.12
Debt : Equity Ratio		70 : 30				
Total Cost		30.41		30.41		30.41
	Debt	Equity	Total			
Add cap for 2018-19	-	-	-			
Add cap for 2019-20	15.59	6.68	22.27			
Add cap for 2020-21	5.70	2.44	8.15			
	21.29	9.12	30.41			
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.						

(Petitioner)

Calculation of Return on Equity
Asset 11B

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: LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	9.12	9.12	9.12	9.12	9.12
1.2	Additional Capital made during the year.	-	-	-	-	-
1.3	Closing Equity	9.12	9.12	9.12	9.12	9.12
1.4	Average Equity	9.12	9.12	9.12	9.12	9.12
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	1.71	1.71	1.71	1.71	1.71

(Petitioner)

Calculation of Interest on Normative Loan
Asset 11B

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: LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	21.29	21.29	21.29	21.29	21.29
Cumulative repayment of Normative Loan upto previous year	7.33	8.94	10.54	12.15	13.75
Net Normative loan - Opening	13.96	12.35	10.74	9.14	7.53
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	1.61	1.61	1.61	1.61	1.61
Net Normative loan - Closing	12.35	10.74	9.14	7.53	5.93
Average Normative Loan	13.15	11.55	9.94	8.34	6.73
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	1.32	1.15	0.99	0.83	0.67

(Petitioner)

Statement of Depreciation
Asset 11B

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 SystemLILO of 220 KV Srisailam – Dindi – II at Domalapenta
SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	30.41	30.41	30.41	30.41	30.41
2	Closing Capital Cost	30.41	30.41	30.41	30.41	30.41
3	Average Capital Cost	30.41	30.41	30.41	30.41	30.41
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	27.37	27.37	27.37	27.37	27.37
7	Balance useful life at the beginning of the period	20	19	18	17	16
8	Remaining depreciable value	18.43	16.83	15.22	13.61	12.01
9	Depreciation (for the period)	1.61	1.61	1.61	1.61	1.61
10	Depreciation (annualised)	1.61	1.61	1.61	1.61	1.61
11	Cumulative depreciation at the end of the period	8.94	10.54	12.15	13.75	15.36
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	8.94	10.54	12.15	13.75	15.36

(Petitioner)

Calculation of Interest on Working Capital

Asset 11B

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: LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	1.73	1.82	1.92	2.02	2.12
2	Maintenance Spares	3.12	3.28	3.45	3.63	3.82
3	Receivables	3.25	3.37	3.50	3.64	3.78
4	Total Working Capital	8.10	8.48	8.88	9.29	9.73
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	0.98	1.03	1.08	1.13	1.18

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 11B**

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: LILO of 220 KV Srisailam – Dindi – II at Domalapenta SS

(Amount in lakhs)

Date of Commencement	17-Apr-19
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	30.41
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	30.41
Sub-Station Equipments	
PLCC	
Total:	30.41
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	21.29
Equity	9.12
Total :	30.41
Cumulative amount of depreciation	15.36
Cumulative repayment of loan	15.36
Initial Spares	

(Petitioner)

Calculation of Weighted Average Rate of Interest on Actual Loans**Asset 11B**

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: LILO of 220 KV Srisailam - Dindi - II at Domalapenta SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	21.30	21.30	21.30	21.30	21.30
Cumulative repayments of Loans upto previous	6.39	8.52	10.65	12.78	14.91
Net loan - Opening	14.91	12.78	10.65	8.52	6.39
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	2.13	2.13	2.13	2.13	2.13
Net loan - Closing	12.78	10.65	8.52	6.39	4.26
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	1.39	1.18	0.97	0.75	0.30
Loan repayment effective from (date to be indicated)		Apr-21			

(Petitioner)



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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 **220 KV Chillakallu - Suryapeta** is detailed as under:

(Amount in Lakhs)

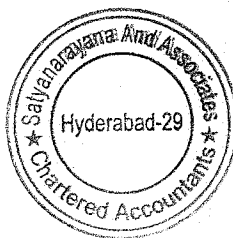
S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2014 to 31.03.2015								
2	Expenditure from 01.04.2015 to 31.03.2016			388.09				388.09	40.75
3	Expenditure from 01.04.2016 to 31.03.2017			392.01				392.01	41.16
4	Expenditure from 01.04.2017 to 31.03.2018			53.37				53.37	5.60
5	Expenditure from 01.04.2018 to 31.03.2019								
	Total			833.47				833.47	87.51

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

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: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants



(CA. V. Satyanarayana)
Partner.
M. NO. 204487
FRN: 007663S
UDI No.20204487AAAACA3639

PART-III
FORM-1Summary Sheet
Asset 20B

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: **LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS**

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	44.01	44.01	44.01	44.01	17.09
1.2	Interest on Loan	9E	24.34	19.94	15.54	11.14	8.08
1.3	Return on Equity	8	46.96	46.96	46.96	46.96	46.96
1.4	Interest on Working Capital	11	2.85	2.84	2.84	2.83	2.45
1.5	O & M Expenses		24.98	26.28	27.68	29.12	30.65
	Total		143.14	140.03	137.02	134.06	105.23

(Petitioner)

Normative parameters considered for tariff computations
Asset 20B

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: **LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS**

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.369	0.388	0.409	0.430	0.453
Normative O&M per bay	Rs. Lakh	20.670	21.750	22.900	24.100	25.360
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 20B

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 SystemLILO of 220 KV Chillakallu to Narketpally - I at
Suryapeta SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	833.47	833.47	833.47	833.47	833.47
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	87.51	87.51	87.51	87.51	87.51
	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	-	-	-	-	-
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	-	-	-	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-
C	a) Closing Gross Block Amount as per books	833.47	833.47	833.47	833.47	833.47
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	87.51	87.51	87.51	87.51	87.51
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress
Asset 20B

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 SystemLILO of 220 KV Chillakallu to Narketpally - I at Suryapeta
SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 20B

Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project: LILO of 220 KV Chillakallu to Narketpally - I at
 Name of the Transmission Element or Communication System: Suryapeta SS

(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		704.35		583.43		583.43
Loan-II						
Loan-III						
Total Loans		704.35		583.43		583.43
Equity-		301.86		250.04		250.04
Foreign						
Domestic						
Total Equity		301.86		250.04		250.04
Debt : Equity Ratio		70 : 30				
Total Cost		1006.21		833.47		833.47
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	-	-	-			
Add cap for 2016-17	546.07	234.03	780.10			
Add cap for 2017-18	37.36	16.01	53.37			
Add cap for 2018-19	-	-	-			
	583.43	250.04	833.47			
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.						

(Petitioner)

Calculation of Return on Equity
Asset 20B

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 SystemLILO of 220 KV Chillakallu to Narketpally – I at
Suryapeta SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	250.04	250.04	250.04	250.04	250.04
1.2	Additional Capital made during the year.	-	-	-	-	-
1.3	Closing Equity	250.04	250.04	250.04	250.04	250.04
1.4	Average Equity	250.04	250.04	250.04	250.04	250.04
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	46.96	46.96	46.96	46.96	46.96

(Petitioner)

Calculation of Interest on Normative Loan

Asset 20B

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: LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	583.43	583.43	583.43	583.43	583.43
Cumulative repayment of Normative Loan upto previous year	318.04	362.05	406.05	450.06	494.07
Net Normative loan - Opening	265.39	221.38	177.38	133.37	89.36
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	44.01	44.01	44.01	44.01	17.09
Net Normative loan - Closing	221.38	177.38	133.37	89.36	72.27
Average Normative Loan	243.39	199.38	155.37	111.36	80.82
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	24.34	19.94	15.54	11.14	8.08

(Petitioner)

Statement of Depreciation
Asset 20B

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: LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	833.47	833.47	833.47	833.47	833.47
2	Closing Capital Cost	833.47	833.47	833.47	833.47	833.47
3	Average Capital Cost	833.47	833.47	833.47	833.47	833.47
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	2.05%
6	Depreciable value	750.12	750.12	750.12	750.12	750.12
7	Balance useful life at the beginning of the period	17	16	15	14	13
8	Remaining depreciable value	388.08	344.07	300.06	256.06	238.97
9	Depreciation (for the period)	44.01	44.01	44.01	44.01	17.09
10	Depreciation (annualised)	44.01	44.01	44.01	44.01	17.09
11	Cumulative depreciation at the end of the period	362.05	406.05	450.06	494.07	511.15
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	362.05	406.05	450.06	494.07	511.15

(Petitioner)

Calculation of Interest on Working Capital
Asset 20B

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: LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	2.08	2.19	2.31	2.43	2.55
2	Maintenance Spares	3.75	3.94	4.15	4.37	4.60
3	Receivables	17.65	17.26	16.89	16.53	12.97
4	Total Working Capital	23.48	23.40	23.35	23.32	20.12
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	2.85	2.84	2.84	2.83	2.45

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 20B**

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: LILO of 220 KV Chillakallu to Narketpally – I at Suryapeta SS
(Amount in lakhs)

Date of Commencement	21-Dec-16
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	1006.21
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	833.47
Sub-Station Equipments	
PLCC	
Total:	833.47
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	583.43
Equity	250.04
Total :	833.47
Cumulative amount of depreciation	511.15
Cumulative repayment of loan	511.15
Initial Spares	

(Petitioner)

PART-III
FORM-9C

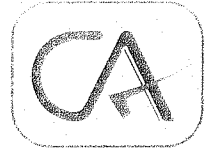
Calculation of Weighted Average Rate of Interest on Actual Loans

Asset 20B

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: LILO of 220 KV Chillakallu to Narketpally - I at Suryapeta SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	583.43	583.43	583.43	583.43	583.43
Cumulative repayments of Loans upto previous year	572.02	583.43	583.43	583.43	583.43
Net loan - Opening	11.41	-	-	-	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	11.41				
Net loan - Closing	-	-	-	-	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	0.14	0.00	0.00	0.00	0.00
Loan repayment effective from (date to be indicated)			Apr-15		

(Petitioner)



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 Chillakallu – Pulichintala** is detailed as under:

(Amount in Lakhs)

S. No.	Particulars	Free hold Land	Buildings and civil works	Tr. Lines	Sub-station	PLCC/ Commu- nication system	IT equipment including Software	Total	IDC Inclu. in the Total
1	Expenditure from 01.04.2014 to 31.03.2015			904.25				904.25	94.95
2	Expenditure from 01.04.2015 to 31.03.2016			1771.01				1771.01	185.96
3	Expenditure from 01.04.2016 to 31.03.2017			518.74				518.74	54.47
4	Expenditure from 01.04.2017 to 31.03.2018			258.44				258.44	27.14
5	Expenditure from 01.04.2018 to 31.03.2019			520.49				520.49	54.64
6	Expenditure from 01.04.2019 to 31.03.2020			107.59				107.59	11.83
	Total			4080.52				4080.52	428.99

We certify that we have verified expenditure upto 31.03.2020 as referred above on the basis of the information drawn from the audited and provisional statement of accounts of Transmission Corporation of Telangana Limited.

Further IDC has been calculated @11.00% for FY 2019-20 and @10.50% for FY 2014-15 to 2018-19 on an average on the rate of interest 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 :18.02.2021

For M/s.Satyanarayana and Associates,
Chartered Accountants

V & N S

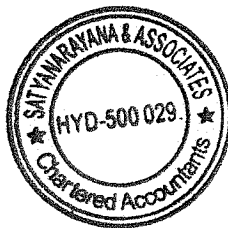
(CA.V.Satyanarayana)

Partner.

M.No.204487

FRN: 007663S

UDI No.21204487AAAADB6918



PART-III
FORM-1Summary Sheet
Asset 21B

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: LILO of 220 KV Chillakallu to Narketpally - II at Pulichintala SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	215.45	215.45	215.45	215.45	215.45
1.2	Interest on Loan	9E	160.70	139.15	117.61	96.06	74.52
1.3	Return on Equity	8	229.92	229.92	229.92	229.92	229.92
1.4	Interest on Working Capital	11	10.92	10.68	10.44	10.21	9.99
1.5	O & M Expenses		38.64	40.65	42.82	45.04	47.42
	Total		655.62	635.84	616.24	596.68	577.30

(Petitioner)

Normative parameters considered for tariff computations
Asset 21B

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: **LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS**

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.369	0.388	0.409	0.430	0.453
Normative O&M per bay	Rs. Lakh	20.670	21.750	22.900	24.100	25.360
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 21B

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 SystemLILO of 220 KV Chillakallu to Narketpally - II at
Pulichintala SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	4,080.52	4,080.52	4,080.52	4,080.52	4,080.52
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	428.99	428.99	428.99	428.99	428.99
	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	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	0.00	0.00	0.00	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	4080.52	4080.52	4080.52	4080.52	4080.52
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	428.99	428.99	428.99	428.99	428.99
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

PART-III
FORM-4BStatement of Capital Works in Progress
Asset 21B

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 SystemLILO of 220 KV Chillakallu to Narketpally - II at
Pulichintala SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	0.00	0.00	0.00	0.00	0.00
B	a) Addition/ Adjustment in CWIP Amount during the period	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	0.00	0.00	0.00	0.00	0.00
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	0.00	0.00	0.00	0.00	0.00
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 21B

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 SystemLILO of 220 KV Chillakallu to Narketpally - II at
Pulichintala SS

(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		2971.04		2856.37		2856.37
Loan-II						
Loan-III						
Total Loans		2971.04		2856.37		2856.37
Equity-		1273.30		1224.16		1224.16
Foreign						
Domestic						
Total Equity		1273.30		1224.16		1224.16
Debt : Equity Ratio		70 : 30				
Total Cost		4244.35		4080.52		4080.52
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	-	-	-			
Add cap for 2017-18	-	-	-			
Add cap for 2018-19	2781.05	1191.88	3972.93			
Add cap for 2019-20	75.31	32.28	107.59			
	2856.37	1224.16	4080.52			
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.						

(Petitioner)

Calculation of Return on Equity
Asset 21B

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: LILO of 220 KV Chillakallu to Narketpally - II at Pulichintala SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	1224.16	1224.16	1224.16	1224.16	1224.16
1.2	Additional Capital made during the year.	-	-	-	-	-
1.3	Closing Equity	1224.16	1224.16	1224.16	1224.16	1224.16
1.4	Average Equity	1224.16	1224.16	1224.16	1224.16	1224.16
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	229.92	229.92	229.92	229.92	229.92

(Petitioner)

Calculation of Interest on Normative Loan

Asset 21B

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 SystemLILO of 220 KV Chillakallu to Narketpally - II at Pulichintala
SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	2856.37	2856.37	2856.37	2856.37	2856.37
Cumulative repayment of Normative Loan upto previous year	1,141.66	1,357.11	1,572.56	1,788.01	2,003.46
Net Normative loan - Opening	1714.71	1499.25	1283.80	1068.35	852.90
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	215.45	215.45	215.45	215.45	215.45
Net Normative loan - Closing	1499.25	1283.80	1068.35	852.90	637.45
Average Normative Loan	1606.98	1391.53	1176.08	960.63	745.17
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	160.70	139.15	117.61	96.06	74.52

(Petitioner)

Statement of Depreciation

Asset 21B

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 SystemLILO of 220 KV Chillakallu to Narketpally - II at
Pulichintala SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	4080.52	4080.52	4080.52	4080.52	4080.52
2	Closing Capital Cost	4080.52	4080.52	4080.52	4080.52	4080.52
3	Average Capital Cost	4080.52	4080.52	4080.52	4080.52	4080.52
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	3672.47	3672.47	3672.47	3672.47	3672.47
7	Balance useful life at the beginning of the period	19	18	17	16	15
8	Remaining depreciable value	2315.36	2099.91	1884.46	1669.00	1453.55
9	Depreciation (for the period)	215.45	215.45	215.45	215.45	215.45
10	Depreciation (annualised)	215.45	215.45	215.45	215.45	215.45
11	Cumulative depreciation at the end of the period	1357.11	1572.56	1788.01	2003.46	2218.92
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	1357.11	1572.56	1788.01	2003.46	2218.92

(Petitioner)

Calculation of Interest on Working Capital

Asset 21B

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: **LILO of 220 KV Chillakallu to Narketpally - II at Pulichintala SS**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	3.22	3.39	3.57	3.75	3.95
2	Maintenance Spares	5.80	6.10	6.42	6.76	7.11
3	Receivables	80.83	78.39	75.97	73.56	71.17
4	Total Working Capital	89.84	87.87	85.96	84.07	82.24
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	10.92	10.68	10.44	10.21	9.99

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 21B**

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: LILO of 220 KV Chillakallu to Narketpally – II at Pulichintala SS

(Amount in lakhs)

Date of Commencement	05-Dec-18
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	4,244.35
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	4,080.52
Sub-Station Equipments	
PLCC	
Total:	4,080.52
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	2856.37
Equity	1224.16
Total :	4080.52
Cumulative amount of depreciation	2218.92
Cumulative repayment of loan	2218.92
Initial Spares	

(Petitioner)

**PART-III
FORM-9C**

Calculation of Weighted Average Rate of Interest on Actual Loans
Asset 21B

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: LILO of 220 KV Chillakallu to Narketpally - II at Pulichintala SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	2,856.35	2,856.35	2,856.35	2,856.35	2,856.35
Cumulative repayments of Loans upto previous year	2,764.16	2,856.35	2,856.35	2,856.35	2,856.35
Net loan - Opening	92.19	-	-	-	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	92.19				
Net loan - Closing	-	-	-	-	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	1.68	0.00	0.00	0.00	0.00
Loan repayment effective from (date to be indicated)			Jun-14		

(Petitioner)

Certificate

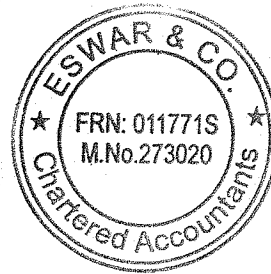
This is to certify that we have verified relevant records and other documents of Transmission Corporation of Telangana Limited having its registered office at 6-3-572, VIDYUT SOUDHA KHAIRATABAD, HYDERABAD, TELANGANA-500 082 and on the basis of our verification, we certify that the Capital cost of **132 KV Chilakallu - Pedagopathi at Pammy SS** is detailed as under:

(Amount in Lakhs)									
S. No	Particulars	Free hold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/ Communi cation System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2021 to 31.03.2022			130.36				130.36	13.69
2	Expenditure from 01.04.2022 to 31.03.2023			68.43				68.43	7.19
3	Expenditure from 01.04.2023 to 31.03.2024			201.40				201.40	21.15
4	Expenditure from 01.04.2024 to 31.03.2025			54.75				54.75	-
	Total			454.94				454.94	42.02

We certify that we have verified expenditure upto 30.09.2024 as referred above on the basis of the information drawn from the books of accounts and audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2024.

Further IDC has been calculated @10.50% on an average based on the rate of interest 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: 22/11/2024



For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA. Manchikanti Shashank)
 Partner.
 M. NO. 273020
 UDIN:24273020BKAGVI6717

Branches:

- ➔ Flat No 208, 3rd Floor, DSL Abacus IT Park, Beside DSL Virtue Mall, Uppal, Hyderabad, Telangana - 500 039.
- ➔ 8-389/2, Chandra Mouli Nagar, Yerramukkapally, Kadapa, Andhra Pradesh - 516004.
- ➔ D. No. 15-745-1, Pavan Complex, Raju Road, Kamalanagar, Anantapur, Andhra Pradesh - 515001.
- ➔ D. No. 102-5-197, 1st Floor, Mahalakshmi Complex, Bommuru, Rajahmundry Rural, Andhra Pradesh - 533124.
- ➔ D. No.10-4-4/1/44, Flat No.502, Aditya Enclave, Bank Colony, Arepally Road, Karimnagar, Telangana - 505001.
- ➔ D. No. 5-11-13/A, 2/10, Brodiept, Guntur, Andhra Pradesh - 522002.

PART-III
FORM-1Summary Sheet

Asset 26B

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

LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	22.58	24.02	24.02	24.02	24.02
1.2	Interest on Loan	9E	28.62	28.20	25.80	23.40	21.00
1.3	Return on Equity	8	24.09	25.63	25.63	25.63	25.63
1.4	Interest on Working Capital	11	1.90	1.98	1.98	1.99	2.00
1.5	O & M Expenses		17.13	18.03	18.98	19.98	21.01
	Total		94.31	97.87	96.41	95.02	93.66

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

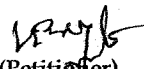

 (CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 24/11/2024



 (Petitioner)

 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Normative parameters considered for tariff computations
Asset 26B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

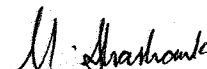
Name of the Transmission Element or
Communication SystemLILO of 132 KV Chilakallu - Pedagogpathi at Pammy SS
(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.246	0.259	0.272	0.287	0.302
Normative O&M per bay	Rs. Lakh	15.780	16.610	17.480	18.400	19.350
Spares for WC as % of O&M	%	15%	15%	15%	15%	15%
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

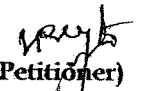

 (CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 24/11/2024



 (Petitioner)

 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Capital cost
Asset 26B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

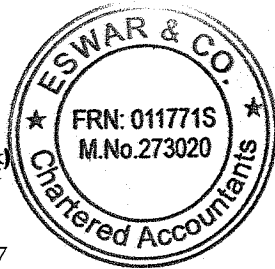
Name of the Project:

Name of the Transmission Element or
Communication SystemLILO of 132 KV Chilakallu - Pedagogathi at Pammy SS
(Amount in Rs.Lakh)

S.No.	Particulars	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	0.00	400.19	454.94	454.94	454.94	454.94
	b) Amount of capital liabilities in A(a) above						
	c) Amount of IDC included in A(a) above	0.00	42.02	42.02	42.02	42.02	42.02
	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	400.19	54.75	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above						
	c) Amount of IDC included in B(a) above	42.02	0.00	0.00	0.00	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	400.19	454.94	454.94	454.94	454.94	454.94
	b) Amount of capital liabilities in C(a) above						
	c) Amount of IDC included in C(a) above	42.02	42.02	42.02	42.02	42.02	42.02
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-	-

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVI6717
Date: 24/11/2024



V. S. S. S.
(Petitioner)
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

PART-III
FORM-4BStatement of Capital Works in Progress

Asset 26B

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

LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

		(Amount in Rs.Lakh)					(Amount in Rs.Lakh)		
S.No.	Particulars	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	130.36	198.79	-	-	-	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	-	13.69	20.87	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	130.36	68.43	201.40	54.75	-	-	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	13.69	7.19	21.15	-	-	-	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year	-	-	400.19	54.75	-	-	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	-	-	42.02	-	-	-	-	-
D	a) Closing CWIP Amount as per books	130.36	198.79	-	-	-	-	-	-
	b) Amount of capital liabilities in a above								
	c) Amount of IDC included in (a) above	13.69	20.87	-	-	-	-	-	-

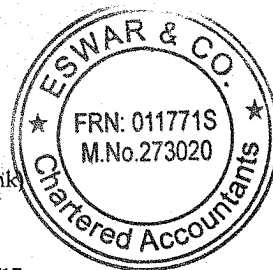
For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771SM. Shashank
(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 22/11/2024



(Petitioner)
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TQTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Financial Package upto COD

Asset 26B

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

LILO of 132 KV Chilakallu - Pedagogpathi at Pammy SS

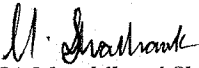
(Amount in Rs.Lakh)

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		476.00		280.13		280.13
Loan-II						
Loan-III						
Total Loans		476.00		280.13		280.13
Equity-		204.00		120.06		120.06
Foreign						
Domestic						
Total Equity		204.00		120.06		120.06
Debt : Equity Ratio		70 : 30				
Total Cost		680.00		400.19		400.19
	Debt	Equity	Total			
Add cap for 2021-22	91.25	39.11	130.36			
Add cap for 2022-23	47.90	20.53	68.43			
Add cap for 2023-24	140.98	60.42	201.40			
Add cap for 2024-25	38.33	16.43	54.75			
	318.46	136.48	454.94			
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. Eswar & Co.,

Chartered Accountants

FRN: 011771S

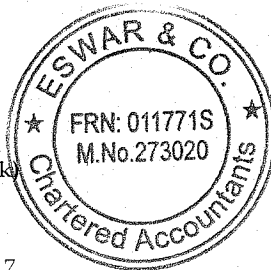
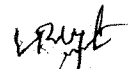

 (CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 22/11/2024



 (Petitioner)

 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Return on Equity

Asset 26B

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

LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	120.06	136.48	136.48	136.48	136.48
1.2	Additional Capital made during the year.	16.43	0.00	0.00	0.00	0.00
1.3	Closing Equity	136.48	136.48	136.48	136.48	136.48
1.4	Average Equity	128.27	136.48	136.48	136.48	136.48
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	24.09	25.63	25.63	25.63	25.63

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

M. Shashank

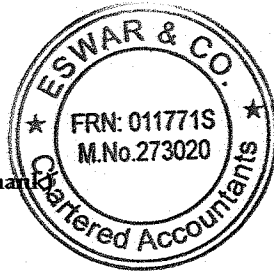
(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 22/11/2024



(Petitioner)

*raut*Financial Advisor and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Interest on Normative Loan

Asset 26B

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: LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	280.13	318.46	318.46	318.46	318.46
Cumulative repayment of Normative Loan upto previous year	1.85	24.43	48.45	72.47	96.49
Net Normative loan - Opening	278.28	294.03	270.01	245.99	221.97
Increase/Decrease due to ACE/de-capitalisation during the year	38.33	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	22.58	24.02	24.02	24.02	24.02
Net Normative loan - Closing	294.03	270.01	245.99	221.97	197.95
Average Normative Loan	286.16	282.02	258.00	233.98	209.96
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	28.62	28.20	25.80	23.40	21.00

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVI6717
 Date: 22/11/2024



(Petitioner)

[Signature]
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Weighted Average Rate of Interest on Actual Loans

Asset 26B

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: LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	280.13	318.46	318.46	318.46	318.46
Cumulative repayments of Loans upto previous year	-	15.92	47.77	79.62	111.47
Net loan - Opening	280.13	302.54	270.69	238.84	206.99
Add: Drawal(s) during the Year	38.33				
Less: Repayment (s) of Loans during the year	15.92	31.85	31.85	31.85	31.85
Net loan - Closing	302.54	270.69	238.84	206.99	175.14
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	29.71	29.06	25.87	22.69	19.51
Loan repayment effective from (date to be indicated)	Jun-24				

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVI6717
 Date: 22/11/2024



(Petitioner)

Urayt
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Statement of Depreciation

Asset 26B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

Name of the Transmission Element or
Communication System

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	400.19	454.94	454.94	454.94	454.94
2	Closing Capital Cost	454.94	454.94	454.94	454.94	454.94
3	Average Capital Cost	427.57	454.94	454.94	454.94	454.94
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	409.45	409.45	409.45	409.45	409.45
7	Balance useful life at the beginning of the period	24	23	22	21	20
8	Remaining depreciable value	385.02	361.00	336.98	312.96	288.94
9	Depreciation (for the period)	22.58	24.02	24.02	24.02	24.02
10	Depreciation (annualised)	22.58	24.02	24.02	24.02	24.02
11	Cumulative depreciation at the end of the period	24.43	48.45	72.47	96.49	120.51
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	24.43	48.45	72.47	96.49	120.51

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

M. Shashank

(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 22/11/2024



(Petitioner)

V. Raghav

Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Interest on Working Capital

Asset 26B

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: LILO of 132 KV Chilakallu - Pedagogathi at Pammy SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	1.43	1.50	1.58	1.66	1.75
2	Maintenance Spares	2.57	2.71	2.85	3.00	3.15
3	Receivables	11.63	12.07	11.89	11.71	11.55
4	Total Working Capital	15.63	16.27	16.31	16.38	16.45
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	1.90	1.98	1.98	1.99	2.00

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

M. Shashank
 (CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVI6717

Date: 22/11/2024



(Petitioner)

[Signature]
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 26B**

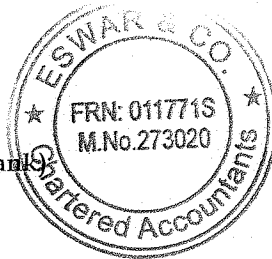
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: LILO of 132 KV Chilakallu - Pedagopathi at Pammy SS

(Amount in lakhs)

Date of Commencement	29.02.2024
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 30.11.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	680.00
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	454.94
Sub-Station Equipments	
PLCC	
Total:	454.94
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	318.46
Equity	136.48
Total :	454.94
Cumulative amount of depreciation	120.51
Cumulative repayment of loan	120.51
Initial Spares	

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Manikanta
 (CA Manikanta Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVI6717
 Date: 22/11/2024



(Petitioner)

[Signature]
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 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 **132KV Chillakallu - Khammam at Pedagogathi SS** is detailed as under:

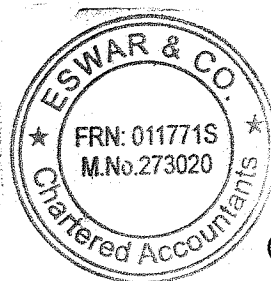
(Amount in Lakhs)

S. No	Particulars	Free hold 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 01.04.2018 to 31.03.2019			1039.00				1039.00	109.10
2	Expenditure from 01.04.2019 to 31.03.2020			847.19				847.19	89.03
3	Expenditure from 01.04.2020 to 31.03.2021			55.43				55.43	5.82
4	Expenditure from 01.04.2021 to 31.03.2022			281.20				281.20	29.53
5	Expenditure from 01.04.2022 to 31.03.2023			622.61				622.61	65.37
6	Expenditure from 01.04.2023 to 31.03.2024			(1.62)				(1.62)	-
7	Expenditure from 01.04.2024 to 31.03.2025			(56.43)				(56.43)	-
	Total			2788.11				2788.11	298.85

We certify that we have verified expenditure upto 30.09.2024 as referred above on the basis of the information drawn from the books of accounts and audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2024.

Further IDC has been calculated @10.50% on an average based on the rate of interest 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: 22/11/2024



For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

(Signature)
(CA. Manchikanti Shashank)
Partner.

M. NO. 273020

UDIN: 24273020BKAGVJ5327

Branches:

- Flat No 208, 3rd Floor, DSL Abacus IT Park, Beside DSL Virtue Mall, Uppal, Hyderabad, Telangana - 500 039.
- 8-389/2, Chandra Mouli Nagar, Yerramukkapally, Kadapa, Andhra Pradesh - 516004.
- D. No. 15-745-1, Pavan Complex, Raju Road, Kamalanagar, Anantapur, Andhra Pradesh - 515001.
- D. No. 102-5-197, 1st Floor, Mahalakshmi Complex, Bommaru, Rajahmundry Rural, Andhra Pradesh - 533124.
- D. No.10-4-4/1/44, Flat No.502, Aditya Enclave, Bank Colony, Arepally Road, Karimnagar, Telangana - 505001.
- D. No. 5-11-13/A, 2/10, Brodiept, Guntur, Andhra Pradesh - 522002.

PART-III
FORM-1Summary Sheet

Asset 31B

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 SystemLILO of 132KV Chillakallu - Khammam at Pedagogathi
SS

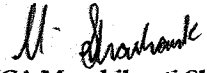
(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	148.70	147.21	147.21	147.21	147.21
1.2	Interest on Loan	9E	170.61	153.84	139.12	124.39	109.67
1.3	Return on Equity	8	158.68	157.09	157.09	157.09	157.09
1.4	Interest on Working Capital	11	8.20	7.95	7.78	7.61	7.44
1.5	O & M Expenses		21.19	22.31	23.46	24.71	25.99
	Total		507.39	488.40	474.66	461.02	447.41

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

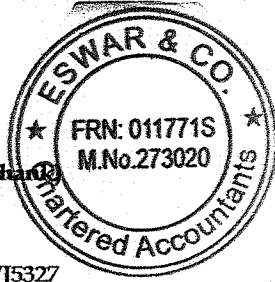

 (CA Manchukanti Shashank)

Partner

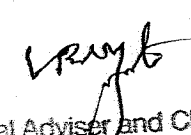
M.No.273020

UDIN:24273020BKAGVJ5327

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Normative parameters considered for tariff computations**Asset 31B**

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 SystemLILO of 132KV Chillakallu - Khammam at Pedagogathi
SS

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.246	0.259	0.272	0.287	0.302
Normative O&M per bay	Rs. Lakh	15.780	16.610	17.480	18.400	19.350
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

U. Shashank

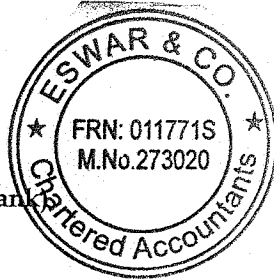
(CA Manchikanti Shashank)

Partner

M.no.273020

UDIN:24273020BKAGVJ5327

Date: 22/11/2024



(Petitioner)

*W. J. T.*Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

333

PART-III
FORM-4A

Statement of Capital cost

Asset 31B

Name of the Petitioner:

Transmission Corporation of Telangana Limited
Telangana

Name of the Region:

Name of the Project:

Name of the Transmission Element or
Communication System

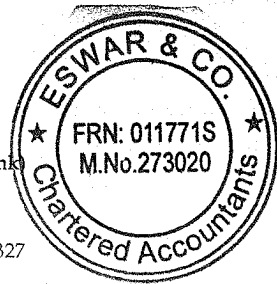
LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Amount in Rs.Lakh)

S.No.	Particulars	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	-	2846.15	2844.53	2788.11	2788.11	2788.11	2788.11
	b) Amount of capital liabilities in A(a) above							
	c) Amount of IDC included in A(a) above	-	298.85	298.85	298.85	298.85	298.85	298.85
	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	2,846.15	-1.62	(56.43)	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above							
	c) Amount of IDC included in B(a) above	298.85	0.00	0.00	0.00	0.00	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	2,846.15	2844.53	2788.11	2788.11	2788.11	2788.11	2788.11
	b) Amount of capital liabilities in C(a) above							
	c) Amount of IDC included in C(a) above	298.85	298.85	298.85	298.85	298.85	298.85	298.85
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-	-	-

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVJ5327
Date: 22/11/2024



(Petitioner)

[Signature]
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Statement of Capital Works in Progress

Asset 31B

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

LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

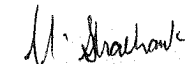
(Amount in Rs.Lakh)

S.No.	Particulars	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	1,039.00	1,886.91	1,942.34	2,223.54	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	109.10	198.13	203.95	233.47	-	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	1,039.00	847.91	55.43	281.20	622.61	(1.62)	(56.43)	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	109.10	89.03	5.82	29.53	65.37	-	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year		-	-	-	2,846.15	(1.62)	(56.43)	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	-	-	-	-	298.85	-	-	-	-	-	-
D	a) Closing CWIP Amount as per books	1,039.00	1,886.91	1,942.34	2,223.54	-	-	-	-	-	-	-
	b) Amount of capital liabilities in a above											
	c) Amount of IDC included in (a) above	109.10	198.13	203.95	233.47	-	-	-	-	-	-	-

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

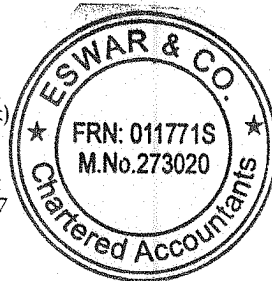

 (CA Manchikanti Shashank)

Partner

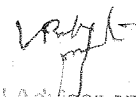
M.no.273020

UDIN:24273020BKAGVJ5327

Date: 22/11/2024



(Petitioner)


 Financial Advisor and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vinayut Soudha,
 Hyderabad - 500 082

Financial Package upto COD

Asset 31B

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission Element or
Communication System

Transmission Corporation of Telangana Limited
Telangana

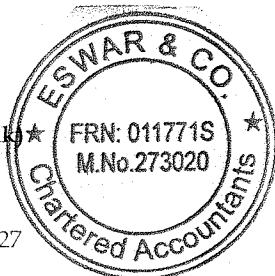
LILO of 132KV Chillakallu - Khammam at Pedagogathi
SS

(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		1986.60		1992.31		1992.31
Loan-II						
Loan-III						
Total Loans		1986.60		1992.31		1992.31
Equity-		851.40		853.85		853.85
Foreign						
Domestic						
Total Equity		851.40		853.85		853.85
Debt : Equity Ratio		70 : 30				
Total Cost		2838.00		2846.15		2846.15
	Debt	Equity	Total			
Add cap for 2018-19	727.30	311.70	1,039.00			
Add cap for 2019-20	593.54	254.37	847.91			
Add cap for 2020-21	38.80	16.63	55.43			
Add cap for 2021-22	196.84	84.36	281.20			
Add cap for 2022-23	435.83	186.78	622.61			
Add cap for 2023-24	-1.13	-0.49	-1.62			
Add cap for 2024-25	-39.50	-16.93	-56.43			
	1951.67	836.43	2788.11			
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. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Manchikanti Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVJ5327
Date: 22/11/2024



(Petitioner)

V. Ravi
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSOCO, Vidyut Soudha,
Hyderabad - 500 082

Calculation of Return on Equity

Asset 31B

Name of the Petitioner:
Name of the Region:
Name of the Project:
Name of the Transmission Element or
Communication System

Transmission Corporation of Telangana Limited
Telangana

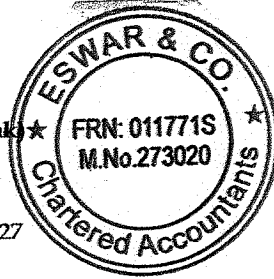
LILO of 132KV Chillakallu - Khammam at Pedagopathi
SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	853.36	836.43	836.43	836.43	836.43
1.2	Additional Capital made during the year.	-16.93	0.00	0.00	0.00	0.00
1.3	Closing Equity	836.43	836.43	836.43	836.43	836.43
1.4	Average Equity	844.90	836.43	836.43	836.43	836.43
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	158.68	157.09	157.09	157.09	157.09

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchukanti Shashank) ★
Partner
M.No.273020
UDIN:24273020BKAGVJ5327
Date: 22/11/2024



(Petitioner)

M. Soudha
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

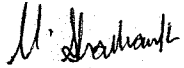
Calculation of Interest on Normative LoanAsset 31B

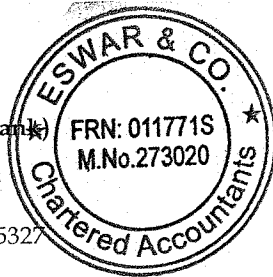
Name of the Petitioner: Transmission Corporation of Telangana Limited
 Name of the Region: Telangana
 Name of the Project:
 Name of the Transmission Element or Communication System: LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Amount in Rs.Lakh)

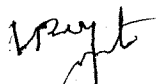
Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	1991.17	1951.67	1951.67	1951.67	1951.67
Cumulative repayment of Normative Loan upto previous year	190.99	339.70	486.91	634.12	781.33
Net Normative loan - Opening	1800.18	1611.98	1464.77	1317.56	1170.34
Increase/Decrease due to ACE/de-capitalisation during the year	-39.50	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	148.70	147.21	147.21	147.21	147.21
Net Normative loan - Closing	1611.98	1464.77	1317.56	1170.34	1023.13
Average Normative Loan	1706.08	1538.37	1391.16	1243.95	1096.74
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	170.61	153.84	139.12	124.39	109.67

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S


 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVJ5327
 Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Weighted Average Rate of Interest on Actual Loans

Asset 31B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 132KV Chillakallu - Khammam at
Pedagopathi SSName of the Transmission Element or
Communication System

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	1,992.31	1,992.31	1,992.31	1,992.31	1,992.31
Cumulative repayments of Loans upto previous year	461.75	665.82	869.89	1,073.96	1,278.03
Net loan - Opening	1,530.55	1,326.48	1,122.41	918.34	714.27
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	204.07	204.07	204.07	204.07	204.07
Net loan - Closing	1,326.48	1,122.41	918.34	714.27	510.20
Average Net Loan	1428.52	1224.45	1020.38	816.31	612.24
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	143.70	123.29	102.89	82.48	62.07
Loan repayment effective from (date to be indicated)		Jun-21			

For M/s. Eswar & Co.,
Chartered Accountants
FRN: 011771S

M. Shashank
(CA Manchikanti Shashank)
Partner
M.no.273020
UDIN:24273020BKAGVJ5327
Date: 22/11/2024



(Petitioner)

W. J. T.
Financial Adviser and Chief
Controller of Accounts (Accounts) & CFO
TGTRANSCO, Vidyut Soudha,
Hyderabad - 500 082

Statement of Depreciation

Asset 31B

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

Name of the Transmission Element or
Communication System

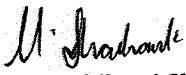
(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	2844.53	2788.11	2788.11	2788.11	2788.11
2	Closing Capital Cost	2788.11	2788.11	2788.11	2788.11	2788.11
3	Average Capital Cost	2816.32	2788.11	2788.11	2788.11	2788.11
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	2509.30	2509.30	2509.30	2509.30	2509.30
7	Balance useful life at the beginning of the period	23	22	21	20	19
8	Remaining depreciable value	2169.60	2022.39	1875.18	1727.96	1580.75
9	Depreciation (for the period)	148.70	147.21	147.21	147.21	147.21
10	Depreciation (annualised)	148.70	147.21	147.21	147.21	147.21
11	Cumulative depreciation at the end of the period	339.70	486.91	634.12	781.33	928.54
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	339.70	486.91	634.12	781.33	928.54

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

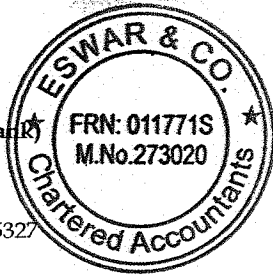

 (CA Manchikanti Shashank)

Partner

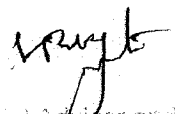
M.no.273020

UDIN:24273020BKAGVJ5327

Date: 22/11/2024



(Petitioner)


 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

Calculation of Interest on Working Capital

Asset 31B

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 SystemLILO of 132KV Chillakallu - Khammam at Pedagopathi
SS

(Amount in Rs.Lakh)

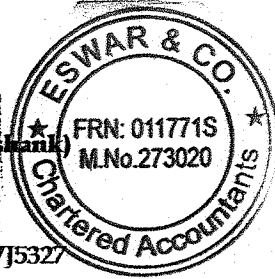
Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	1.77	1.86	1.96	2.06	2.17
2	Maintenance Spares	3.18	3.35	3.52	3.71	3.90
3	Receivables	62.55	60.21	58.52	56.84	55.16
4	Total Working Capital	67.50	65.42	63.99	62.60	61.22
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	8.20	7.95	7.78	7.61	7.44

For M/s. Eswar & Co.,

Chartered Accountants

FRN: 011771S

M. Manchikanti Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVJ5327
 Date: 22/11/2024



(Petitioner)

V. Raghav
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 Hyderabad - 500 082

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 31B**

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: LILO of 132KV Chillakallu - Khammam at Pedagogathi SS

(Amount in lakhs)

Date of Commencement	23.12.2022
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure-admitted as on 30.11.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	2,838.00
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	2,788.11
Sub-Station Equipments	
PLCC	
Total:	2,788.11
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	1,951.67
Equity	836.43
Total :	2,788.11
Cumulative amount of depreciation	928.54
Cumulative repayment of loan	928.54
Initial Spares	

For M/s. Eswar & Co.,
 Chartered Accountants
 FRN: 011771S

M. Manchikanti Shashank
 (CA Manchikanti Shashank)
 Partner
 M.no.273020
 UDIN:24273020BKAGVJ5327
 Date: 22/11/2024



(Petitioner)

V. S. Soudha
 Financial Adviser and Chief
 Controller of Accounts (Accounts) & CFO
 TGTRANSCO, Vidyut Soudha,
 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 **132 KV A.P.Carbides - Alampur – II** is detailed as under:

(Amount in Lakhs)

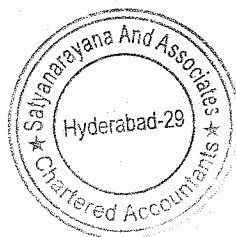
S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2013 to 31.03.2014			121.57				121.57	12.76
2	Expenditure from 01.04.2014 to 31.03.2015			56.66				56.66	5.95
3	Expenditure from 01.04.2015 to 31.03.2016			2.12				2.12	0.22
4	Expenditure from 01.04.2016 to 31.03.2017								
5	Expenditure from 01.04.2017 to 31.03.2018								
5	Expenditure from 01.04.2018 to 31.03.2019								
	Total			180.35				180.35	18.94

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

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: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants



(CA. V. Satyanarayana)

Partner.

M. NO. 204487

FRN: 007663S

UDI No. 20204487AAAACD2708

PART-III
FORM-1Summary Sheet
Asset 37B

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: LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	9.52	9.52	3.70	3.70	3.70
1.2	Interest on Loan	9E	3.05	2.10	1.44	1.07	0.70
1.3	Return on Equity	8	10.16	10.16	10.16	10.16	10.16
1.4	Interest on Working Capital	11	1.05	1.08	1.02	1.05	1.09
1.5	O & M Expenses		16.08	16.92	17.81	18.74	19.71
	Total		39.86	39.78	34.12	34.72	35.36

(Petitioner)

Normative parameters considered for tariff computations

Asset 37B

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 SystemLILO of 132 KV A.P.Carbides to Gadwal at Alampur
SS

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.246	0.259	0.272	0.287	0.302
Normative O&M per bay	Rs. Lakh	15.780	16.610	17.480	18.400	19.350
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital cost
Asset 37B

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 SystemLILO of 132 KV A.P.Carbides to Gadwal at Alampur SS
(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	180.35	180.35	180.35	180.35	180.35
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	18.94	18.94	18.94	18.94	18.94
	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	-	-	-	-	-
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	-	-	-	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-
C	a) Closing Gross Block Amount as per books	180.35	180.35	180.35	180.35	180.35
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	18.94	18.94	18.94	18.94	18.94
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress
Asset 37B

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

LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD
Asset 37B

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 SystemLILO of 132 KV A.P.Carbides to Gadwal at Alampur SS
(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		112.47		126.24		126.24
Loan-II						
Loan-III						
Total Loans		112.47		126.24		126.24
Equity-		48.20		54.10		54.10
Foreign						
Domestic						
Total Equity		48.20		54.10		54.10
Debt : Equity Ratio		70 : 30				
Total Cost		160.67		180.35		180.35
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	124.76	53.47	178.23			
Add cap for 2015-16	1.48	0.64	2.12			
Add cap for 2017-18	-	-	-			
Add cap for 2018-19	-	-	-			
	126.24	54.10	180.35			
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.						

(Petitioner)

Calculation of Return on Equity
Asset 37B

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

LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	5	6	7
1.1	Equity as on COD/ Admitted equity	54.10	54.10	54.10	54.10	54.10
1.2	Additional Capital made during the year.	-	-	-	-	-
1.3	Closing Equity	54.10	54.10	54.10	54.10	54.10
1.4	Average Equity	54.10	54.10	54.10	54.10	54.10
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	10.16	10.16	10.16	10.16	10.16

(Petitioner)

Calculation of Interest on Normative Loan

Asset 37B

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: LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	126.24	126.24	126.24	126.24	126.24
Cumulative repayment of Normative Loan upto previous year	90.98	100.50	110.03	113.72	117.42
Net Normative loan - Opening	35.26	25.74	16.22	12.52	8.82
Increase/Decrease due to ACE/de-capitalisation during the year	-	-	-	-	-
Less: Repayment of Loans during the year	9.52	9.52	3.70	3.70	3.70
Net Normative loan - Closing	25.74	16.22	12.52	8.82	5.13
Average Normative Loan	30.50	20.98	14.37	10.67	6.97
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	3.05	2.10	1.44	1.07	0.70

(Petitioner)

Statement of Depreciation

Asset 37B

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

LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	4	5	6	6	7
1	Opening Capital Cost	180.35	180.35	180.35	180.35	180.35
2	Closing Capital Cost	180.35	180.35	180.35	180.35	180.35
3	Average Capital Cost	180.35	180.35	180.35	180.35	180.35
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	2.05%	2.05%	2.05%
6	Depreciable value	162.31	162.31	162.31	162.31	162.31
7	Balance useful life at the beginning of the period	15	14	13	12	11
8	Remaining depreciable value	61.81	52.29	48.59	44.89	41.19
9	Depreciation (for the period)	9.52	9.52	3.70	3.70	3.70
10	Depreciation (annualised)	9.52	9.52	3.70	3.70	3.70
11	Cumulative depreciation at the end of the period	100.50	110.03	113.72	117.42	121.12
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	100.50	110.03	113.72	117.42	121.12

(Petitioner)

Calculation of Interest on Working Capital**Asset 37B**

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 **LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	1.34	1.41	1.48	1.56	1.64
2	Maintenance Spares	2.41	2.54	2.67	2.81	2.96
3	Receivables	4.91	4.90	4.21	4.28	4.36
4	Total Working Capital	8.67	8.85	8.36	8.65	8.96
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	1.05	1.08	1.02	1.05	1.09

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 37B**

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: LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

(Amount in lakhs)

Date of Commencement	06-Sep-14
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	160.67
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	180.35
Sub-Station Equipments	
PLCC	
Total:	180.35
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	126.24
Equity	54.10
Total :	180.35
Cumulative amount of depreciation	121.12
Cumulative repayment of loan	121.12
Initial Spares	

(Petitioner)

PART-III
FORM-9C

Calculation of Weighted Average Rate of Interest on Actual Loans
Asset 37B

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: LILO of 132 KV A.P.Carbides to Gadwal at Alampur SS

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	126.24	126.24	126.24	126.24	126.24
Cumulative repayments of Loans upto previous year	102.02	114.64	126.24	126.24	126.24
Net loan - Opening	24.22	11.60	-	-	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	12.62	11.60			
Net loan - Closing	11.60	-	-	-	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	1.84	0.58	0.00	0.00	0.00
Loan repayment effective from (date to be indicated)		Mar-15			

(Petitioner)



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 Veltor - Uravakonda I & II** is detailed as under:

(Amount in Lakhs)

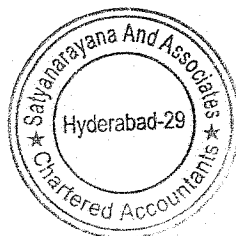
S. No	Particulars	Freehold Land	Buildings and Civil Works	Tr. Lines	Sub-Station	PLCC/Communication System	IT Equipment including Software	Total	IDC Included in the Total
1	Expenditure from 01.04.2014 to 31.03.2015			6979.94				6979.94	732.89
2	Expenditure from 01.04.2015 to 31.03.2016			6249.37				6249.37	656.18
3	Expenditure from 01.04.2016 to 31.03.2017			5170.74				5170.74	542.93
4	Expenditure from 01.04.2017 to 31.03.2018			392.48				392.48	41.21
5	Expenditure from 01.04.2018 to 31.03.2019			12.59				12.59	1.32
	Total			18805.13				18805.13	1974.54

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

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: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants



(CA. V. Satyanarayana)
Partner.

M. NO. 204487

FRN: 007663S

UDI No. 20204487AAAACF2367

PART-III
FORM-1Summary Sheet**Asset 38&39**

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 Veltloor - Uravakonda I & II****(Amount in Rs.Lakh)**

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	992.91	992.91	992.91	992.91	744.96
1.2	Interest on Loan	9E	533.15	433.86	334.57	235.28	148.39
1.3	Return on Equity	8	1059.57	1059.57	1059.57	1059.57	1059.57
1.4	Interest on Working Capital	11	46.09	44.94	43.80	42.69	38.01
1.5	O & M Expenses		153.95	162.05	170.53	179.55	188.96
	Total		2785.67	2693.32	2601.37	2510.00	2179.88

(Petitioner)

Normative parameters considered for tariff computations**Asset 38&39**

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 Veltoor - Uravakonda I & II

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	1.291	1.359	1.430	1.506	1.585
Normative O&M per bay	Rs. Lakh	29.530	31.080	32.710	34.430	36.230
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital costAsset 38&39

Name of the Petitioner:

Transmission Corporation of Telangana Limited

Name of the Region:

Telangana

Name of the Project:

400KV Veltloor - Uravakonda I & II

Name of the Transmission Element or
Communication System

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	18805.13	18805.13	18805.13	18805.13	18805.13
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	1974.54	1974.54	1974.54	1974.54	1974.54
	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	0.00	0.00	0.00	0.00	0.00
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	0.00	0.00	0.00	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	18805.13	18805.13	18805.13	18805.13	18805.13
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	1974.54	1974.54	1974.54	1974.54	1974.54
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in ProgressAsset 38&39

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 Veltor - Uravakonda I & II

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/ Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD

Asset 38&39

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 Veltoor - Uravakonda 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		15759.10		13163.59		13163.59
Loan-II						
Loan-III						
Total Loans		15759.10		13163.59		13163.59
Equity- Foreign		6753.90		5641.54		5641.54
Domestic						
Total Equity		6753.90		5641.54		5641.54
Debt : Equity Ratio		70 : 30				
Total Cost		22513.00		18805.13		18805.13
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	945.95	405.41	1351.36			
Add cap for 2016-17	11934.09	5114.61	17048.69			
Add cap for 2017-18	274.74	117.74	392.48			
Add cap for 2018-19	8.81	3.78	12.59			
	13163.59	5641.54	18805.13			
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.						

(Petitioner)

Calculation of Return on Equity

Asset 38&39

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 Veltloor - Uravakonda I & II

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	5641.54	5641.54	5641.54	5641.54	5641.54
1.2	Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
1.3	Closing Equity	5641.54	5641.54	5641.54	5641.54	5641.54
1.4	Average Equity	5641.54	5641.54	5641.54	5641.54	5641.54
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	1059.57	1059.57	1059.57	1059.57	1059.57

(Petitioner)

Calculation of Interest on Normative Loan**Asset 38&39**

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 Veltoor - Uravakonda I & II**

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	13163.59	13163.59	13163.59	13163.59	13163.59
Cumulative repayment of Normative Loan upto previous year	7335.61	8328.52	9321.43	10314.34	11307.25
Net Normative loan - Opening	5827.98	4835.07	3842.16	2849.25	1856.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	992.91	992.91	992.91	992.91	744.96
Net Normative loan - Closing	4835.07	3842.16	2849.25	1856.34	1111.38
Average Normative Loan	5331.52	4338.61	3345.70	2352.79	1483.86
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	533.15	433.86	334.57	235.28	148.39

(Petitioner)

Statement of Depreciation

Asset 38&39

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 Veltor - Uravakonda I & II

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	18805.13	18805.13	18805.13	18805.13	18805.13
2	Closing Capital Cost	18805.13	18805.13	18805.13	18805.13	18805.13
3	Average Capital Cost	18805.13	18805.13	18805.13	18805.13	18805.13
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	16924.62	16924.62	16924.62	16924.62	16924.62
7	Balance useful life at the beginning of the period	17	16	15	14	13
8	Remaining depreciable value	8596.09	7603.18	6610.27	5617.36	4872.41
9	Depreciation (for the period)	992.91	992.91	992.91	992.91	744.96
10	Depreciation (annualised)	992.91	992.91	992.91	992.91	992.91
11	Cumulative depreciation at the end of the period	8328.52	9321.43	10314.34	11307.25	12052.21
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	8328.52	9321.43	10314.34	11307.25	12052.21

(Petitioner)

Calculation of Interest on Working Capital**Asset 38&39**

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 Veltor - Uravakonda I & II**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	12.83	13.50	14.21	14.96	15.75
2	Maintenance Spares	23.09	24.31	25.58	26.93	28.34
3	Receivables	343.44	332.05	320.72	309.45	268.75
4	Total Working Capital	379.36	369.86	360.51	351.35	312.84
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	46.09	44.94	43.80	42.69	38.01

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 38&39**

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 Veltoor - Uravakonda I & II

(Amount in lakhs)

Date of Commencement	03-Nov-16
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	22,513.00
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	18,805.13
Sub-Station Equipments	
PLCC	
Total:	18,805.13
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	13,163.59
Equity	5,641.54
Total :	18,805.13
Cumulative amount of depreciation	12,052.21
Cumulative repayment of loan	12,052.21
Initial Spares	

(Petitioner)

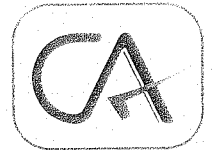
Calculation of Weighted Average Rate of Interest on Actual Loans
Asset 38&39

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 Velloor-Uravakonda I&II

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening					
	13,163.60	13,163.60	13,163.60	13,163.60	13,163.60
Cumulative repayments of Loans upto previous year	8,116.67	9,432.88	10,749.09	12,065.30	13,163.60
Net loan - Opening	5,046.93	3,730.72	2,414.51	1,098.30	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	1,316.21	1,316.21	1,316.21	1,098.30	
Net loan - Closing	3,730.72	2,414.51	1,098.30	-	-
Average Net Loan					
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on loan	444.37	312.75	181.12	50.39	0.00
Loan repayment effective from (date to be indicated)		Feb-18			

(Petitioner)



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 Suryapeta -KV Kota 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 01.04.2013 to 31.03.2014			131.53				131.53	13.81
2	Expenditure from 01.04.2014 to 31.03.2015			6292.69				6292.69	660.73
3	Expenditure from 01.04.2015 to 31.03.2016			14305.83				14305.83	1502.11
4	Expenditure from 01.04.2016 to 31.03.2017			2197.41				2197.41	230.73
5	Expenditure from 01.04.2017 to 31.03.2018								
5	Expenditure from 01.04.2018 to 31.03.2019								
	Total			22927.46				22927.46	2407.38

We certify that we have verified expenditure upto 31.03.2019 as referred above on the basis of the information drawn from the audited statement of accounts of Transmission Corporation of Telangana Limited as on 31.03.2019.

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: 22/06/2020

For M/s. Satyanarayana and Associates,
Chartered Accountants

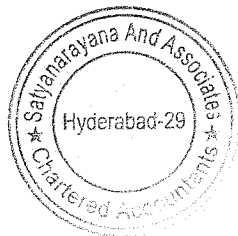
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(CA. V. Satyanarayana)
Partner.

M. NO. 204487

FRN: 007663S

UDI No. 20204487AAAACE4644



PART-III
FORM-1Summary Sheet**Asset 40&41**

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

Sl. No.	Particulars	Form No.	2024-25	2025-26	2026-27	2027-28	2028-29
1	2		3	4	6	5	6
1.1	Depreciation	10A	1210.57	1210.57	1210.57	1210.57	879.86
1.2	Interest on Loan	9E	642.93	521.88	400.82	279.76	175.24
1.3	Return on Equity	8	1291.84	1291.84	1291.84	1291.84	1291.84
1.4	Interest on Working Capital	11	55.34	53.89	52.46	51.06	44.90
1.5	O & M Expenses		170.60	179.58	188.97	198.98	209.40
	Total		3371.28	3257.75	3144.66	3032.21	2601.24

(Petitioner)

Normative parameters considered for tariff computations**Asset 40&41**

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

Particulars	Unit	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
Base Rate of Return on Equity	%	15.500	15.500	15.500	15.500	15.500
Tax Rate	%	15.000	15.000	15.000	15.000	15.000
Effective tax rate	%	17.472	17.472	17.472	17.472	17.472
Target Availability	%	98.000	98.000	98.000	98.000	98.000
Normative O&M per km	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Normative O&M per bay	Rs. Lakh	0.000	0.000	0.000	0.000	0.000
Spares for WC as % of O&M	%	15.000	15.000	15.000	15.000	15.000
Receivables in Days for WC	Days	45	45	45	45	45
Bank Rate as on 01.04.2014	%	10.00%	10.00%	10.00%	10.00%	10.00%

(Petitioner)

Statement of Capital costAsset 40&41

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening Gross Block Amount as per books	22927.46	22927.46	22927.46	22927.46	22927.46
	b) Amount of capital liabilities in A(a) above					
	c) Amount of IDC included in A(a) above	2407.38	2407.38	2407.38	2407.38	2407.38
	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	-	-	-	-	-
	b) Amount of capital liabilities in B(a) above					
	c) Amount of IDC included in B(a) above	-	-	-	-	-
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-
C	a) Closing Gross Block Amount as per books	22927.46	22927.46	22927.46	22927.46	22927.46
	b) Amount of capital liabilities in C(a) above					
	c) Amount of IDC included in C(a) above	2407.38	2407.38	2407.38	2407.38	2407.38
	d) Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a) above	-	-	-	-	-

(Petitioner)

Statement of Capital Works in Progress

Asset 40&41

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

S.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
A	a) Opening CWIP amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
B	a) Addition/ Adjustment in CWIP Amount during the period	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
C	a) Capitalisation/Transfer to Fixed Asset of CWIP amount during the year	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-
D	a) Closing CWIP Amount as per books	-	-	-	-	-
	b) Amount of capital liabilities in a above					
	c) Amount of IDC included in (a) above	-	-	-	-	-

(Petitioner)

Financial Package upto COD

Asset 40&41

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 Suryapeta -KV Kota 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		16176.09		16049.22		16049.22
Loan-II						
Loan-III						
Total Loans		16176.09		16049.22		16049.22
Equity-		6932.61		6878.24		6878.24
Foreign						
Domestic						
Total Equity		6932.61		6878.24		6878.24
Debt : Equity Ratio		70 : 30				
Total Cost		23108.70		22927.46		22927.46
	Debt	Equity	Total			
Add cap for 2013-14	-	-	-			
Add cap for 2014-15	-	-	-			
Add cap for 2015-16	-	-	-			
Add cap for 2016-17	16049.22	6878.24	22927.46			
Add cap for 2017-18	-	-	-			
Add cap for 2018-19	-	-	-			
	16049.22	6878.24	22927.46			
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.						

(Petitioner)

Calculation of Return on Equity**Asset 40&41**

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 Suryapeta -KV Kota I & II**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1.1	Equity as on COD/ Admitted equity	6878.24	6878.24	6878.24	6878.24	6878.24
1.2	Additional Capital made during the year.	0.00	0.00	0.00	0.00	0.00
1.3	Closing Equity	6878.24	6878.24	6878.24	6878.24	6878.24
1.4	Average Equity	6878.24	6878.24	6878.24	6878.24	6878.24
1.5	Return on Equity(%)	15.500	15.500	15.500	15.500	15.500
1.6	Tax rate for respective year(%)	17.472	17.472	17.472	17.472	17.472
1.7	Rate of Return on Equity(%)	18.782	18.782	18.782	18.782	18.782
1.8	Return on Equity*	1291.84	1291.84	1291.84	1291.84	1291.84

(Petitioner)

Calculation of Interest on Normative LoanAsset 40&41

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	5	4	5
Gross loan - Opening	16049.22	16049.22	16049.22	16049.22	16049.22
Cumulative repayment of Normative Loan upto previous year	9014.60	10225.17	11435.74	12646.31	13856.88
Net Normative loan - Opening	7034.62	5824.05	4613.48	3402.91	2192.34
Increase/Decrease due to ACE/de-capitalisation during the year	0.00	0.00	0.00	0.00	0.00
Less: Repayment of Loans during the year	1210.57	1210.57	1210.57	1210.57	879.86
Net Normative loan - Closing	5824.05	4613.48	3402.91	2192.34	1312.49
Average Normative Loan	6429.34	5218.77	4008.20	2797.63	1752.42
Rate of Interest of actual loans	10.00%	10.00%	10.00%	10.00%	10.00%
Interest on Normative loan	642.93	521.88	400.82	279.76	175.24

(Petitioner)

Statement of Depreciation**Asset 40&41**

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 Suryapeta -KV Kota I & II

(Amount in Rs.Lakh)

Sl.No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	Opening Capital Cost	22927.46	22927.46	22927.46	22927.46	22927.46
2	Closing Capital Cost	22927.46	22927.46	22927.46	22927.46	22927.46
3	Average Capital Cost	22927.46	22927.46	22927.46	22927.46	22927.46
4	Freehold land	-	-	-	-	-
5	Rate of depreciation	5.28%	5.28%	5.28%	5.28%	5.28%
6	Depreciable value	20634.72	20634.72	20634.72	20634.72	20634.72
7	Balance useful life at the beginning of the period	17	16	15	14	13
8	Remaining depreciable value	10409.55	9198.98	7988.41	6777.84	5897.98
9	Depreciation (for the period)	1210.57	1210.57	1210.57	1210.57	879.86
10	Depreciation (annualised)	1210.57	1210.57	1210.57	1210.57	1210.57
11	Cumulative depreciation at the end of the period	10225.17	11435.74	12646.31	13856.88	14736.74
12	Less: Cumulative depreciation adjustment on account of de-capitalisation	-	-	-	-	-
13	Net Cumulative depreciation at the end of the period	10225.17	11435.74	12646.31	13856.88	14736.74

(Petitioner)

Calculation of Interest on Working Capital**Asset 40&41**

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 Suryapeta -KV Kota I & II**

(Amount in Rs.Lakh)

Sl. No.	Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
1	2	3	4	6	5	6
1	O & M Expenses	14.22	14.96	15.75	16.58	17.45
2	Maintenance Spares	25.59	26.94	28.35	29.85	31.41
3	Receivables	415.63	401.64	387.69	373.83	320.70
4	Total Working Capital	455.44	443.54	431.79	420.26	369.56
5	Rate of Interest	12.15%	12.15%	12.15%	12.15%	12.15%
6	Interest on Working Capital	55.34	53.89	52.46	51.06	44.90

(Petitioner)

**ABSTRACT OF ADMITTED PARAMETERS FOR THE
EXISTING TRANSMISSION ASSETS****Asset 40&41**

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 Suryapeta -KV Kota I & II

(Amount in lakhs)

Date of Commencement	20-Oct-16
Petition Number	
Tariff Order Date	
PARTICULARS	Capital Expenditure admitted as on 31.03.2024
Apportioned approved Cost/ Revised cost estimates, if any (with reference and date of approval)	23,108.70
Freehold Land	
Leasehold Land	
Building and Other Civil Works	
Transmission Line	22,927.46
Sub-Station Equipments	
PLCC	
Total:	22,927.46
Notional Loan	
Notional Equity	
Total :	
Debt Equity Ratio	70 : 30
Debt	16049.22
Equity	6878.24
Total :	22927.46
Cumulative amount of depreciation	14736.74
Cumulative repayment of loan	14736.74
Initial Spares	

(Petitioner)

PART-III
FORM-9CCalculation of Weighted Average Rate of Interest on Actual LoansAsset 40&41

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 Suryapet-KV Kota I&II

(Amount in Rs.Lakh)

Particulars	2024-25	2025-26	2026-27	2027-28	2028-29
Loan-1					
Gross loan - Opening	16,049.22	16,049.22	16,049.22	16,049.22	16,049.22
Cumulative repayments of Loans upto previous year	10,833.21	12,438.13	14,043.05	15,647.97	16,049.22
Net loan - Opening	5,216.01	3,611.09	2,006.17	401.25	-
Add: Drawal(s) during the Year	-	-	-	-	-
Less: Repayment (s) of Loans during the year	1,604.92	1,604.92	1,604.92	401.25	-
Net loan - Closing	3,611.09	2,006.17	401.25	-	-
Average Net Loan	4413.55	2808.63	1203.71	200.625	0
Rate of Interest on Loan on annual basis	10.00%	10.00%	10.00%	10.00%	
Interest on loan	448.04	287.55	127.06	6.69	
Loan repayment effective from (date to be indicated)			Jul-17		

(Petitioner)

BEFORE THE CENTRAL ELECTRICITY REGULATORY COMMISSION

AT NEW DELHI

PETITION NO. 127/TT/2022

IN THE MATTER OF:

Annexure P-14

Rejoinder in Petition No. 127/TT/2022 for determination of tariff of the inter-State transmission lines connecting two states for the TSTRANSCO-owned transmission lines/system as per this Hon'ble Commission's order dated 05.09.2018 in Petition No.07/Suo-Motu/2017 and order dated 13.01.2020 in Petition No.127/TT/2022 for inclusion in POC Transmission charges for the period FY 2019-20 to FY 2023-24 in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2019.

AND IN THE MATTER OF:

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

... Petitioner

VERSUS

1. Transmission Corporation of Andhra Pradesh Ltd.
Vidyut Soudha, Gunadala, Eluru Road,
Vijayawada, Andhra Pradesh-520004

2. Karnataka Power Transmission Corporation Ltd.,
Kaveri Bhavan, Kempegowda Road,
Bangalore-560009

... Respondents

REJOINDER IN PETITION NO. 127/TT/2022 FOR DETERMINATION OF TARIFF OF THE INTER-STATE TRANSMISSION LINES CONNECTING TWO STATES FOR THE TSTRANSCO-OWNED TRANSMISSION LINES/SYSTEM AS PER THIS HON'BLE COMMISSION'S ORDER DATED 05.09.2018 IN PETITION NO.07/SUO-MOTU/2017 AND ORDER DATED 13.01.2020 IN PETITION

NO.127/TT/2022 FOR INCLUSION IN POC TRANSMISSION CHARGES FOR THE PERIOD FY 2019-20 TO FY 2023-24 IN ACCORDANCE WITH THE CERC (TERMS AND CONDITIONS OF TARIFF) REGULATIONS, 2019.

Petition No. 127/TT/2022 was filed by TSTRANSCO for determination of tariff (YTC) of 41 Nos. Inter State Transmission lines owned by TSTRANSCO for the FY 2019-24. (40 Lines with AP TRANSCO and 1 Line with KPTCL)

This rejoinder is filed by the petitioner after considering the statement of objection filed by Karnataka Power Transmission Corporation Ltd., in the CERC website on 01/12/2022 through e filing in response to the petition No. 127/TT/2022.

MOST RESPECTFULLY SHOWETH:

Before answering para-wise to the objection/comments received from KPTCL, the petitioner wishes to reiterate the averments and statements contained in above Petition No. 127/TT/2022 filed by the petitioner before this Hon'ble Commission in response to which replies have been filed.

The details of the line filed by the petitioner are given below.

S. No.	Asset	COD	Asset Name	Transmission Line Length in CKM (Telangana Portion)	Connecting States
17	220 KV Tandur - Sedam S/C Line	28.02.2001	Asset - XVII	33.60	Telangana - Karnataka

The point wise replies to the Statement of objections filed by KPTCL are as hereunder:

1. Reply to Para – 3:

The 220kV line from Tandur – Sedam was originally constructed from Shapur Nagar (Hyderabad) to Shahbad (Karnataka). Afterwards, this Transmission line besides being made LILO at Sedam, has been made LILO at 220kV SS Tandur on Telangana side. Now the 220kV line between Tandur (Telangana) and Sedam (Karnataka) is the Inter-State line.

LILO portion of the line is DC/DC from Loc. 280/1 to 280/24 with a length of 7.18 KM was commissioned on 28/02/2001. The rest of the Interstate line is part of the old line, which is DC/SC from Loc. 280 to 286 with a length of 2.28KM and SC line from Loc. 160 to 286 with a length of 24.14 KM (DOC 13/10/1985).

The length of the line owned by TSTRANSCO is 33.60 KM. The total line length is 43.70 KM. It is to submit that the above was ensured with Taurus fault locator kit on 02-01-2020 in the presence of KPTCL authorities.

2. Reply to Para – 4:

The original book value of this asset is not available. Hence normative values as per PGCIL rates are adopted to arrive at the asset value as per CERC Regulation, (Terms and Conditions of Tariff), 2019.

3. Reply to Para - 5:

After making LILO of the existing line, the 220kV Tandur-Sedam line (Electrical Circuit) has come into existence on 28/02/2001. Hence, this date is taken as COD of the line. The sketch of the line (Telangana portion) is enclosed.

4. Reply to Para - 6:

The petitioner has submitted all the material substantial to the petition as per the objections raised by the respondent.

In view of the above facts, it is humbly requested that the Hon'ble Commission may kindly approve the transmission tariff as prayed in the petition.

S. V. S. Reddy
A/E GRAC
Sd/-

M. J. P.
7/1
(DE/GRAC)

M. J. P.
2.1
(SE/PLS)

DATE: -01-2023

PLACE: Hyderabad.

W. S. S.
PETITIONER
(El/Comm. GRAC) 3/1/23

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Sketch of the 220 KV Tandur-Sedam

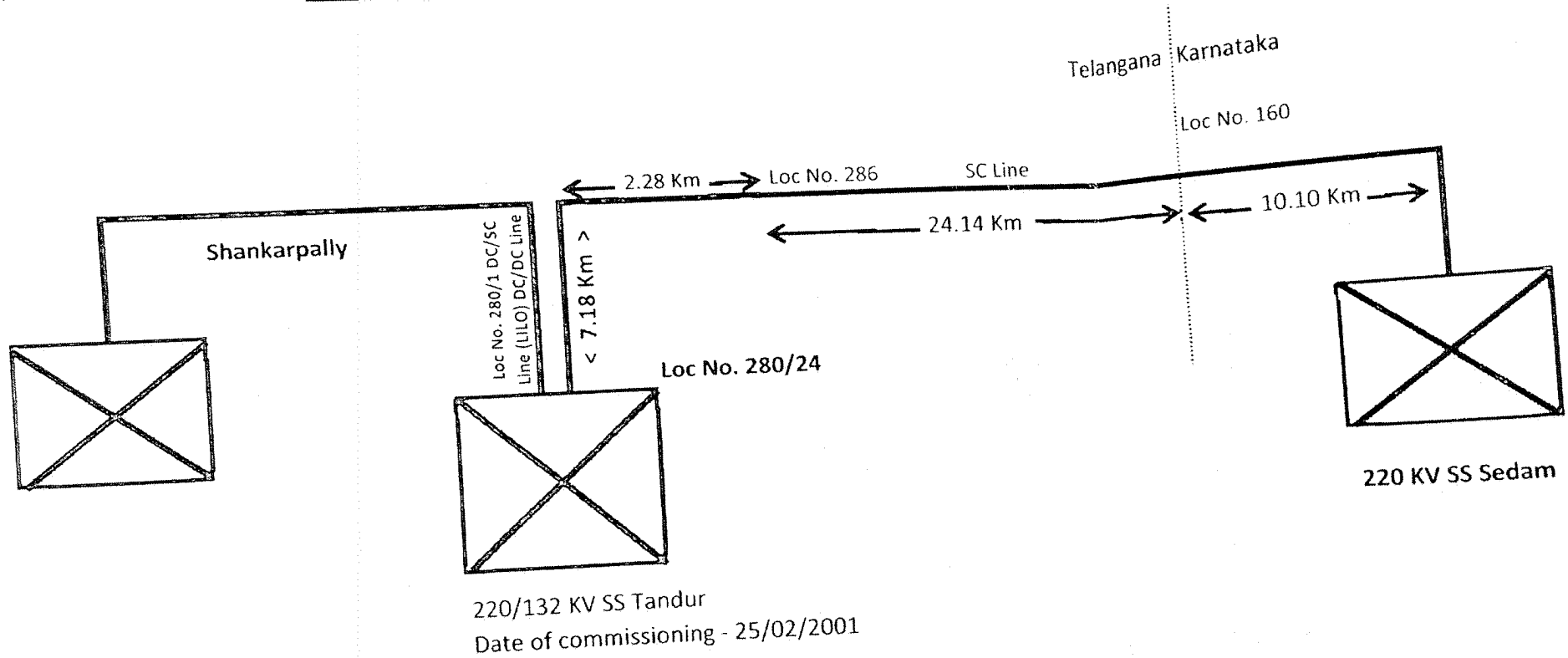
(DOC: 13.10.1985)

(DOC: 13.10.1985)

(DOC: 28.02.2001)

(Telangana Portion)

Loc No. 160 – to 286 SC Line - 24.14 Km
 Loc No. 286 to 280 D/SC Line - 2.28 Km
 Loc No. 280/1 to 280/24 DC Line - 7.18 Km
Total (TS) Portion: 33.60 Km

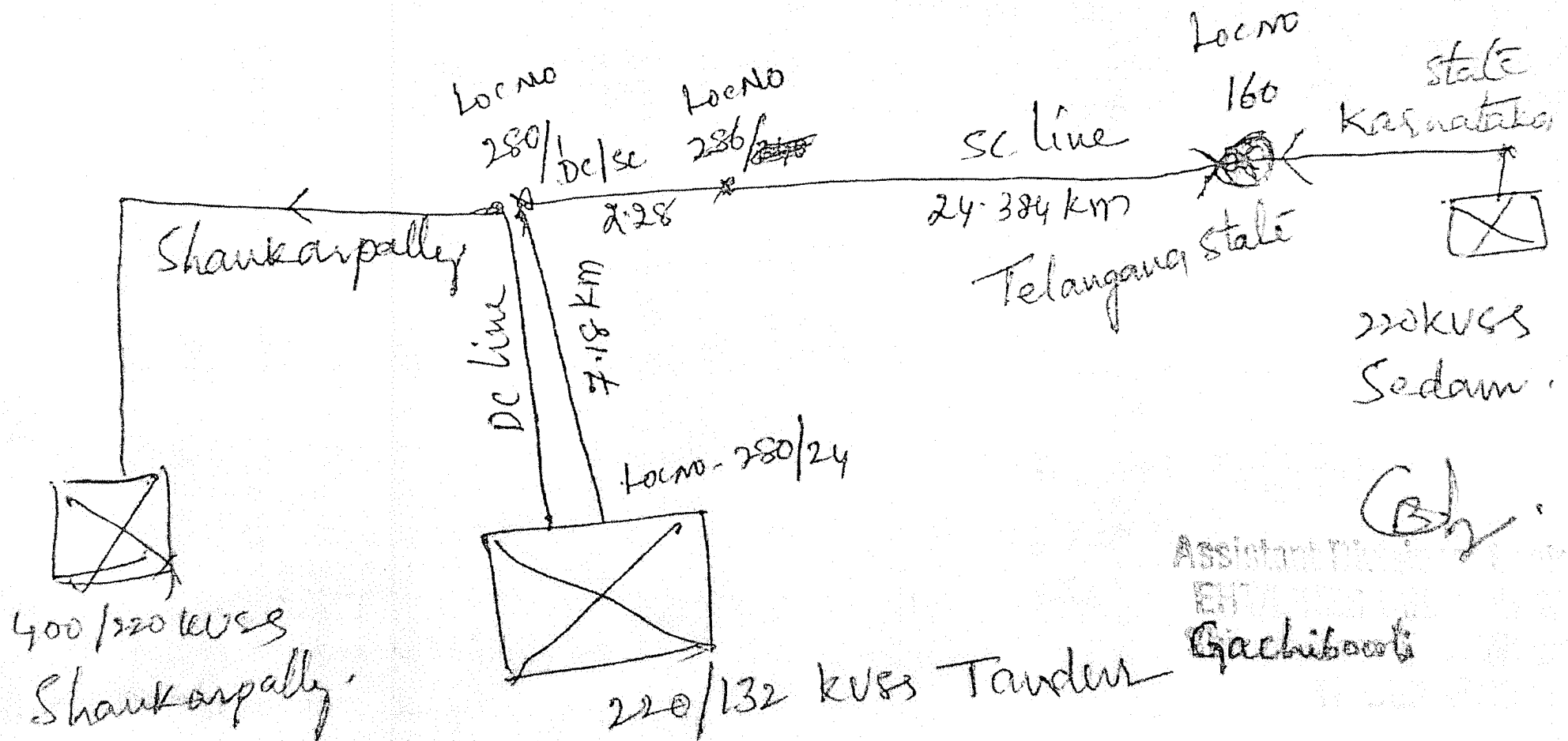


7/1/2008
 DE/RAC

SE/PIg

CE/Comm. & R A 11/23

- ① Loc no - 160 to ~~286~~ SC line **383** 24.384 km
 Loc no - ~~286~~ 286 to 280 DC/SC line - 2.28 km
 Loc no - 280/1 to 280/24 - DC line - 7.18 km



Date of Commission - 25/02/2001

BEFORE THE CENTRAL ELECTRICITY COMMISSION, NEW DELHI

PETITION NO. _____ OF 2024

IN THE MATTER OF:

Transmission Corporation of Telangana Ltd. (TGTRANSCO)

...Petitioner

Versus

Transmission Corporation of Andhra Pradesh Limited
(APTRANSCO) & Anr.

...Respondents

VAKALATNAMA

I, D. Praveen Maurice, Chief Engineer/Commercial & RAC, TGTRANSCO, the authorized representative for the Petitioner in the above appeal/petition do hereby appoint and retain D. Abhinav Rao, Advocate to appear, plead and act for me/us in the above appeal/petition and to conduct and prosecute all proceedings that may be taken in respect thereof and application for return of documents, enter into compromise and to draw any money payable to me/us in the said proceeding and also to appear in all applications for review and for leave to the Central Electricity Commission, New Delhi in all applications for review of judgement.

Place: Hyderabad

Date: 27.11.2024

Executed in my presence

Signature of the Party

ATTESTED

K. NARASIMHA RAO, B.A., LL.B

Signature with date

[Name and Designation]

(Address for service on the counsel for Appellant/Respondent. Furnish

ADVOCATE / NOTARY

Appointed by the Govt. of T.S

10-1-891/401, A.C. Guard

Kharatabad, HYDERABAD

D. PRAVEEN MAURICE

CHIEF ENGINEER/COMMERCIAL & RAC,
TGTRANSCO[AUTHORIZED REPRESENTATIVE FOR THE
PETITIONER]

Signature with date

[Name and Designation]

Chief Engineer / Comm. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

D. ABHINAV RAO

(TS/1375/2009)

D-121, First Floor,

Defence Colony, New Delhi-110024

Ph: +91-9818144867; 011-46160505

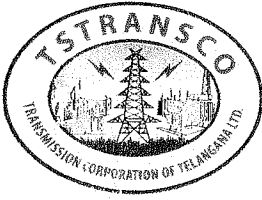
Email: office.abhinavrao@gmail.com

*The following certification to be given when the party is unacquainted with the language of the Vakalat or is build or illiterate: -

The contents of the Vakalatnama were truly and audibly read over/translated into language known to the party executing the Vakalatnama and he seems to have understood the same.

Signature with date

[Name and Designation]



TRANSMISSION CORPORATION OF TELANGANA LIMITED

(Govt. of Telangana State Undertaking)

Vidyut Soudha, Khairatabad, Hyderabad-500 082., PABX : 23396000

(CIN No: U40102TG2014SGC094248) www.tstransco.in

AUTHORIZATION LETTER

DL 10-01-2023

I hereby authorize Sri D. Praveen Maurice S/o Late Sri D.C. Dhanraj Joseph, Chief Engineer(Comml. & RAC), TSTRANSCO, Vidyut Soudha, Hyderabad to sign/verify, present, execute case/or application before the Hon'ble Regulatory Authorities and to give statement (oral/writing) in the name of TRANSMISSION CORPORATION OF TELANGANA LIMITED, in the official portal of Hon'ble CENTRAL ELECTRICITY REGULATORY COMMISSION.

b. u. l.

CHAIRMAN & MANAGING DIRECTOR



ATTESTED

[Signature] 27/11/2023

K. NARASIMHA RAO, B.A., LL.B

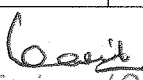
ADVOCATE / NOTARY

Appointed by the Govt. of T.S. Certified as True Copy of
10-1-891/401, A.C. Guards the Original and attested
Khairatabad, HYDERABAD

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FORM – 1

Particulars	
1. Name of the Petitioner	Transmission Corporation of Telangana Limited (TGTRANSCO)
2. Address of the Petitioners	Chief Engineer / Commercial & RAC, Room No. 149, A Block, Vidyut Soudha, Khairatabad, Hyderabad, Telangana-500082
3. Subject Matter	Petition under section 79(1)(C) and (D) of the Electricity Act, 2003 for the determination of Tariff / Annual Transmission Charges of 41 nos. of inter-state transmission lines / system connecting two states (40 ISTS lines between Telangana and Andhra Pradesh and 1 ISTS line between Telangana and Karnataka) for the transmission lines / system owned by the TG TRANSCO for the period FY: 2024-25 to FY:2028-29 as per this Hon'ble Commission's order dated 05.09.2018 passed in Petition no. 07/Suo-motu/2017 and order dated 13.01.2020 passed in petition no. 02/TT/2019 read with order dated 01.01.2024 passed in petition no. 325/TT/2022 read with order dated 02.08.2024 passed in petition no. 127/TT/2022 for inclusion in PoC transmission charges in accordance with the CERC (Terms and Conditions of Tariff) Regulations, 2024
4. Petition No., if any	
5. Details of generation assets a) Generation 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	N.A.


Chief Engineer / Comml. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

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 e) Surcharge, if any	N.A.
7. Fee paid for Adoption of tariff for a) Generation Asset b) Transmission Asset	YES
8. Application fee for license a) Trading license b) Transmission license c) Period for which paid d) Amount of fee paid	N.A.
9. Fee paid for Miscellaneous Application	N.A.
10. Fee paid for Interlocutory Application	N.A.
11. Fee paid for Regulatory Compliance petition	N.A.
12. Fee paid for Miscellaneous Petition	N.A.
13. License fee for inter-state Trading a) Category b) Period c) Amount of fee paid d) Surcharge, if any	N.A.
14. License fee for inter-state Transmission a) Expected/Actual transmission charge b) Period c) Amount of fee paid	Application Fee for filing petition for determination of Yearly Transmission Charges (YTC) for 41 nos inter-state lines of TGTransco for the period FY:2024-25 to FY:2028-29

d) Surcharge, if any	
15. Annual Registration Charge for Power Exchange	N.A.
a) Period	
b) Amount	
c) Fee paid	
d) Surcharge, if any	
16. Details of fee remitted	a) UTR
a) NEFT No./UTR No./Online Payment	No.SBIN124334445563123640 CERCU
b) Date of remittance	b) Date of remittance: 29.11.2024
c) Amount of remitted	c) Amount remitted: Rs.55,25,200/- (Rupees Fifty Five Lakhs Twenty Five Thousand and Two Hundred Only)


Chief Engineer/Commercial &
RAC, TGTRANSCO,
[PETITIONER]

Chief Engineer / Comm. & RAC
TGTRANSCO, Vidyut Soudha, Hyd-82

పురుగుమందుల తయారీ
కర్మాగారం కారణం కావచ్చు

- **ಇದೇ ರೀತಿ, ಇದೇ ರೀತಿ ಆಧಾರದ ಮೇಲೆ, ಆಧಾರದ ಮೇಲೆ**
- **ಇದೇ ರೀತಿ, ಇದೇ ರೀತಿ ಆಧಾರದ ಮೇಲೆ, ಆಧಾರದ ಮೇಲೆ**

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- [illegible]

పాఠా గేమ్స్ లో పాతకాలతో రాష్ట్ర ఖ్యాతిని పెంచారు

- కడప జిల్లా మండ్లి మండలి రాంధనాచార్య

హామీ, నీలవేణి, అమరావతి, పద్మ, సుమతీ, అనంతరమ్, మతీ
అమల, పాప, శివప్రసాద్, వజ్రమ్, కృష్ణమ్, కమల, సత్యమ్, శ్రీకృష్ణ
రాజ్య, సూర్య, చంద్ర, కృష్ణ, ముగ్ధ, అనంతరమ్, అమల, అనంతరమ్

10వ తరగతి

చాడల్ పేపర్లు

విద్యార్థులు తమకు వసతిగా ఉన్నప్పుడు చాడల్ పేపర్లు ఉపయోగించాలి.

QR CODE

EM & TM

TS & AP

prathiba.com/qr/qr10a.htm

[illegible]

బలభద్రపురానికి వైద్య

- 34 బృందాలతో ఇంటింటా వివరాల సేకరణ
- రంగరాయ వైద్య కళాశాల నుంచి నిపుణులు రాక
- యేసు క్రీస్తులో కన్సక్రేషన్ విధానం పరిక్షలు
- 'ఈనాడు, ఈదినీ' కథనాలతో కదిలిన యంత్రాంగం

The diagrams illustrate four types of chemical bonds: 1. Ionic bond: Two atoms, one with a positive charge and one with a negative charge, are shown with arrows indicating the transfer of electrons. 2. Covalent bond: Two atoms are shown sharing a pair of electrons, represented by two dots between them. 3. Hydrogen bond: A water molecule (H₂O) is shown with a dashed line representing a hydrogen bond between the hydrogen of one molecule and the oxygen of another. 4. Metallic bond: A cluster of atoms is shown with a sea of electrons represented by a wavy line surrounding them.

ಪ್ರಾಚೀನ ಮಹಾಕಾವ್ಯದ ವಿಷಯವನ್ನು ಈ ಕೃತಿಯಿಂದ
ಹತ್ತಿರ ಪ್ರಿಯರು ಮನವರಿಕೆ ಮಾಡುವುದು ಉದ್ದೇಶವು. ಉದಾಹರಣೆ
ವಾಗಿ ಪ್ರಿಯರೂ ಕನ್ನಡದ ಖ್ಯಾತ ವಿದ್ವಾನ್ ಮಹಾ
ಪ್ರಾಚೀನ ಮಹಾಕಾವ್ಯ ಯಾದವರಾಜನ ಕವಿತೆಯನ್ನು
ಪ್ರಾಚೀನ ಕನ್ನಡದ ಕಲಾಕೃತಿಗಳೆಂದು ಕನ್ನಡ ಭಾಷಾ
ವಿಜ್ಞಾನಿಗಳು ಮೆಚ್ಚುತ್ತಾರೆ. ಪ್ರಾಚೀನ ಕನ್ನಡದ ಕಲಾ
ಕೃತಿಗಳನ್ನು ಕೊಂಡು ಬಂದು ಮೆಚ್ಚುತ್ತಿರುವುದು, ಕಾವ್ಯದ
ಕಲಾಕೃತಿಗಳನ್ನು ಕನ್ನಡ ಭಾಷೆಯಲ್ಲಿ ಕಂಡು
ಬರಿಸುವ (ನಿರ್ಮಿಸುವ) ಮೂಲದ ಧ್ವನಿಯನ್ನು ಕೇಳುವ
ಅವಸ್ಥೆಯಲ್ಲಿ ಇವರು ಪ್ರಿಯರು. ಕೊಂಡು ಬಂದು
ಮೆಚ್ಚುವ ಪ್ರಾಚೀನ ಕನ್ನಡ ಕಾವ್ಯಗಳು, ಕಾವ್ಯದ
ಪ್ರಾಚೀನ ಕಲಾಕೃತಿಗಳನ್ನು ಕನ್ನಡ ಭಾಷೆಯಲ್ಲಿ
ಕಂಡು ಬರಿಸುವ (ನಿರ್ಮಿಸುವ) ಮೂಲದ ಧ್ವನಿಯನ್ನು
ಕೇಳುವ ಅವಸ್ಥೆಯಲ್ಲಿ ಇವರು ಪ್ರಿಯರು. ಕೊಂಡು
ಬಂದು ಮೆಚ್ಚುವ ಪ್ರಾಚೀನ ಕನ್ನಡ ಕಾವ್ಯಗಳು, ಕಾವ್ಯದ
ಪ್ರಾಚೀನ ಕಲಾಕೃತಿಗಳನ್ನು ಕನ್ನಡ ಭಾಷೆಯಲ್ಲಿ
ಕಂಡು ಬರಿಸುವ (ನಿರ್ಮಿಸುವ) ಮೂಲದ ಧ್ವನಿಯನ್ನು
ಕೇಳುವ ಅವಸ್ಥೆಯಲ್ಲಿ ಇವರು ಪ್ರಿಯರು.

దేవో కామదేవే ॥ భువరాజు క్రామంలో మేడలపైకి వెళ్లి
 సేవకులను సేదపెట్టుకొన్నాడు. అదిచూసి యోగా పని
 తగినదాగుంటుంది. సేదపడేవారు వ్యాధిగ్రస్త అసహనములతో
 స్వేదనలో పడితే మరలను వీరదుస్తున్నారు. రంగరాయ మైత్రులకు
 తన పనిమీద భువరాజు పట్టుకోలే స్వేదనలో పడితే అది అప
 యోగ అనిపిస్తే మరలనులందు చేసేటందుకు అందు చేసేందు
 కులో సేవంలో పడితే మరలకు వ్యాధిగ్రస్త అసహనము కలిగి
 అపయోగ అనిపిస్తుంది. అదివల్లనే సేవలో విఫలమవుతుంటుంది.
 కాదు. దేవసేవలో మైత్రులకు జీవారో. నవరంగుల తొమ్మిది
 వారాలనుకు మరలనులందు చేసేటందుకు. ఇప్పుడే దేవో క్రామంలో వ్యక్తి
 యొక్క గుర్తింపినట్లు తెలిసేందుకు క్రామంలో గ్రహితుల
 అధిక సంఖ్యగలవారు వ్యక్తియే మైత్రులను తీసుకు వేసి సేవకు
 వ్యాధిగ్రస్త గోరూరు దేవో క్రామము వ్యాధిగ్రస్త తెలిసేందుకు.
 గ్రహితులు భాగ్యులలో దేవో క్రామము వారి విఫలమవు
 నునట్లే తెలిసేందుకు. విఫలమవునట్లే తెలిసేందుకు వ్యాధిగ్రస్త
 అసహనము వ్యాధిగ్రస్త వ్యాధిగ్రస్త అసహనము వ్యాధిగ్రస్త
 వ్యాధిగ్రస్త వ్యాధిగ్రస్త వ్యాధిగ్రస్త వ్యాధిగ్రస్త వ్యాధిగ్రస్త వ్యాధిగ్రస్త



దేవో కామదేవో, వరదే మైత్రుల మైత్రులతో పనిచేస్తున్నాడు.
 దేవో కామదేవో, వరదే మైత్రుల మైత్రులతో పనిచేస్తున్నాడు.



పాఠశాలలో, కళల పాఠ్య పుస్తకాలలో పాఠ్య పుస్తకాలలో
 పాఠ్య పుస్తకాలలో పాఠ్య పుస్తకాలలో

నీటి నిల్వతో భవితకు ౭



(The following text is extremely faint and largely illegible due to low contrast and noise. It appears to be a list or index of items.)

(మొదటి పేజీ తరువాయి)

అప్పుడు సుబ్బరావును ఉంటున్న గుర్తుచేశారు. ఆయన
 సీట్‌లోకి వెళ్ళి మోహనరాజు కాయగట్టాడు. పక్షి కదలు-
 తున్నట్లుగా మహారాజు అభివ్యక్తించాడు. ప్రతి రైతును
 పోలీసులకి అనుమతంవూగు నేలకు చుట్టూరు వజ్రము
 చేసేవారునే నాకు దివ్యరేఖలను ఉంటున్న రైతు
 కావాలని పేరువచ్చింది. కుంభం చుట్టూరు పేరువచ్చింది.
 కుంభం చుట్టూరు రైతుల కంటే ఆదాయం ఎక్కువగావుచ్చి-
 వున్న పేరునే తిరుగులేదు. నే నెలాఉంటున్నాను తు-

[illegible]

3. సెక్షన్ 4 పేరి వి.వి. రెడ్డి నిర్మూలన

అధికార పార్టీ ముఖాల్ అభ్యర్థులకు ఉపబంధం ఉంచినట్లు విమర్శించినందుకు ఆ పార్టీ నుండి తొలగించబడినట్లు ఆరోపించినట్లు తెలుస్తోంది. అధికార పార్టీ ముఖాల్ పక్షంకు కేసు 91-1997లో నమోదై చార్జీషీటు వారి ద్వారా జారీయైంది. ఆపరేటింగ్ అధికారిగా ఉన్నామని చెప్పుకొన్నాడు. తొలిసారి ప్రభుత్వం ఉపాధి కేసును సేవలలోకి తీసి తిరిగివేసింది. అతడు ముగిసినప్పుడు ఉపాధి కేసును ముగించింది.

అందుకు సంబంధించి ఆంధ్రప్రదేశ్ ప్రభుత్వం తీసుకున్న చర్యలను గురించి ప్రజలకు తెలియజేయడం కోసం ఆంధ్రప్రదేశ్ ప్రభుత్వం ప్రత్యేకంగా ఒక వెబ్ సైట్ ను ఏర్పాటు చేసింది. దీనిని www.ap.gov.in అని పిలుస్తారు. దీనిలో ప్రజలకు తెలియజేయవలసిన అన్ని వివరాలు ఉన్నాయి. ప్రజలు దీనిని సందర్శించి తెలుసుకోవచ్చు.

అవినీతి నిర్మూలనకు పదవీ కల్యాణి అధ్యక్షునిగా

[illegible][illegible]

ప్రముఖ హిందీ రచయిత
విన్‌వోడ్ శుకాకు జూరఫీస్

144 145 146

~~...the fact that the police are~~
~~...and they are afraid of it~~
~~...they are making good~~
~~...with people working the book~~

మాజీ మంత్రి విడద

[illegible]

ವಿಜಯವಾಣಿಯ ಧನ್ಯಂತರಿ ಅಂಕಣಕಾರ
ಡಾ|| ವೆಂಕಟರಮಣ ಹೆಗಡೆ
ಹಾಗೂ ಬಳಗದ ವೈದ್ಯರುಗಳಿಂದ

సింగ్ (విశ్రాంత ఈఈ) ♦ సీ హెచ్. తిరుమలరావు (మేడిగడ్డ ఎగ్రిక్యూల్చర్ ఇంజనీర్) ♦ బి. వెంకటేశ్వర్లు (క్వాలిటీ కంట్రోల్ విశ్రాంత సీఈ) ♦ వి. అజయ్ కుమార్ (క్వాలిటీ కంట్రోల్ విశ్రాంత సీఈ) ♦ పి. ఎ. వెంకటకృష్ణ (క్వాలిటీ కంట్రోల్ సీఈ) ♦ ఎం. రఘురాం (క్వాలిటీ కంట్రోల్ ఈఈ) ♦ ఎ. నందేంద్ర రెడ్డి (విశ్రాంత ఈఎస్సీ సీడీవో) ♦ కె. ఎస్. ఎస్. చంద్రశేఖర్ (సీడీవో ఎస్ఈ) ♦ హెచ్. బసవరాజ్ (సీడీవోలో అప్పటి ఈఈ, ప్రస్తుతం ఎస్ఈ)

స్వయం ఉపాధి పథకాల కింద చిరు వ్యాపారాలు చేసేవారి కోసం ప్రత్యేకంగా, రూ. 50వేల రుణ పథకాన్ని అమలు చేయనుంది. దీని కింద లబ్ధిదారులకు సూరుశాతం రాయితీతో రుణాలను మంజూరు చేయనుంది. అలాగే రూ. లక్షలోపు యూనిట్లకు గతంలో 80శాతం రాయితీ ఉండేది. ఇప్పుడు 90శాతానికి పెంచాలని నిర్ణయించింది. అంటే రూ. లక్షలోపు యూనిట్ కోసం లబ్ధిదారుడు కేవలం రూ. 10వేలు తన వాటా కింద చెల్లించాల్సి ఉంటుంది. ఇక రూ. 1-2 లక్షల్లోపు వ్యయం కలిగిన యూనిట్లకు రాయితీని 80శాతానికి పెంచింది. రూ. 2-4లక్షల యూనిట్లకు రాయితీ 70 శాతం ఉండగా నిర్ణయించింది. స్వయం ఉపాధి పథకాల కోసం ఎదురుచూస్తున్న వారికి ఉపాధి గైని అధిక సహాయం చేయాలని ప్రభుత్వం నిర్ణయించడంతో ఈ మేరకు సబ్సిడీ వాటా పెంచినట్లు సమాచారం.

నకు చెందిన ఏపీఎస్
ఆర్టీసీ బస్సు వేగంగా
వచ్చి ఆయన్ను డిశ్చా
జ్టింది. సుమారు 15
మీటర్ల దూరంలో
ఎగిరిపడటంతో
తలకు తీవ్ర గాయమై
అక్కడికక్కడే

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