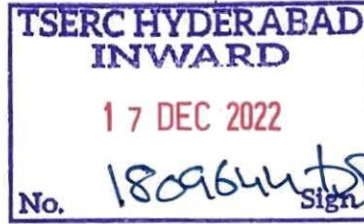


BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY
COMMISSION

Office at 5th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004



FILING NO. _____/2022

O.P. CASE NO. 93 /2022

In the matter of:

Filing of the Power Purchase True-up application for Retail Supply Business for the FY 2020-21 in accordance with the “Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 4 of 2005” and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC) by the Northern Power Distribution Company of Telangana Limited (‘TSNPDCL’ or ‘the Company’ or ‘the Licensee’) as the Distribution and Retail Supply Licensee

In the matter of:

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

... Applicant

The Applicant respectfully submits as under: -

1. Consequent to the formation of Telangana State on 02-06-2014 as per the Andhra Pradesh Reorganisation Act, 2014, a separate Telangana Electricity Regulation Commission was constituted on 03-11-2014. TSERC vide Telangana Official Gazette has issued its first regulation, Regulation No. 1 of 2014 on 10.12.2014 (Adoption of Previously Subsisting Regulations, Decisions, Directions or Orders, Licences and Practice of Directions) wherein clause 2 states that:

"All regulations, decisions, directions or orders, all the licences and practice directions issued by the erstwhile Andhra Pradesh Electricity Regulatory Commission (Regulatory Commission for States of Andhra Pradesh and Telangana) as in existence as on the date of the constitution of the Telangana State Electricity Regulatory Commission and in force, shall mutatis-mutandis apply in relation to the stakeholders in electricity in the State of Telangana including the Commission and shall continue to have effect until duly altered, repealed or amended, any of Regulation by the Commission with effect from the date of notification as per Notification issued by the Government of Telangana in G.O.Ms.No.3 Energy(Budget) Department, dt.26-07-2014 constituting the Commission."

2. This filing is made by the **NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSNPDC)** under Section 62(4) of the Electricity Act 2003 for determination of the Power Purchase True-ups for the Retail Supply Business for the period **FY 2020-21** in accordance to the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 4 of 2005" and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC vide Regulation No. 1 of 2014).
3. Accordingly, the Licensee in this filing submits the following Proposal of final Power Purchase True-ups for **FY 2020-21** in accordance to APERC Regulation No. 1 of 2014 as adopted by TSERC vide Regulation No. 1 of 2014: -
4. **Power Purchase True-up:**
 - i. As per the directions of the Hon'ble Commission, the Licensee had submitted provisional true up cost for the FY 2016-17 as a part of additional information in the filing of ARR for Retail Supply Business for FY 2017-18. Accordingly, the Hon'ble Commission had approved the final true-up for the FY 2015-16 and provisional true-up for the FY 2016-17 in Retail Supply Tariff Order for the FY 2017-18 (Ref: Page 67-68 of the Tariff Order).
 - ii. It is to further submit that the Licensee in the ARR filing for the FY 2018-19 requested the Hon'ble Commission to allow to file the provisional true-up for the FY 2017-18 & final true-up for the FY 2016-17 separately in view of high degree of

uncertainty involved in estimating the truing up for FY 2017-18 due to 24 hours supply to agricultural consumers w.e.f. 01.01.2018 as well as energization of Lift Irrigation (LI) schemes.

- iii. Further, the Licensee has submitted an application to the Commission for making amendments to the Principal Regulation No. 4 of 2005 on 16.08.2017 wherein the licensee has requested the Hon'ble Commission to amend the regulation on True-up by allowing the actual agricultural sales in arriving Power Purchase cost True-ups so as to allow the DISCOMs to pass on the excess Power purchase cost in the ARR of Retail Supply Business.
- iv. Hence, to avoid any undue burden on the consumers, the licensees requested the Commission for filing of truing up in the ensuing year. (*Ref: Pg 44 of RST for the FY 2018-19*)
- v. Further to submit that the licensee has continued the same tariffs as applicable for FY 2018-19 in accordance to the Orders on continuation of Retail supply tariffs of FY 2018-19 for the FY 2019-20, FY 2020-21 and FY 2021-22 issued by the Hon'ble TSERC.
- vi. As the same tariffs of FY 2018-19 are continued for FY 2019-20, FY 2020-21 and FY 2021-22, the Aggregate Revenue Requirement approved for FY 2018-19 is continued to be applicable for FY 2019-20, FY 2020-21 and FY 2021-22.
- vii. Accordingly, the licensee has arrived at power purchase True-ups for FY 2019-20, FY 2020-21 and FY 2021-22 considering the approved power purchase true-ups for FY 2018-19.
- viii. In accordance to the APERC Regulation 1 of 2014 as adopted by TSERC vide Regulation 1 of 2014 dated 10.12.2014, the Licensee herewith submits the final Power Purchase True-up arrived considering the actual 24x7 Agricultural consumption for consideration and then restricting the Agricultural sales as stipulated in the Regulation.

Year	Power Purchase True-up as arrived by TSNPDCL (in Rs. Crs)	
	Considering actual agriculture sales	Considering agriculture sales as per the Regulation
FY 2020-21	2,482.94	1,710.43

5. Treatment of True-up:

- i. It is to submit that as mentioned in the Para supra, the licensee has True-ups claim of Rs. **2,482.94 crores after considering the actual agriculture sales for the FY 2020-21** showing the impact of 24*7 supply of power supply given to agriculture.
- ii. It is pertinent to mention that, the licensees had prayed before the Hon'ble Commission at various junctures to include the same in the relevant regulations or review the approved sales. However, the same has been declined by the Hon'ble Commission stating that submissions of the TSDISCOMs would be treated as suggestion/input as and when the Commission initiates the process of adding to or amending or varying regulation.
- iii. **Hence, in view of the above, the licensee is adhering to the Regulation 1 of 2014 adopted by the Hon'ble TSERC in claiming the true-ups for relevant period strictly limiting the agricultural sales as per the Regulation.**
- iv. Further, Loss funding amount of Rs. 1220.18 Crores provided by Government of Telangana (vide G.O. Ms. No. 15 dated 18.06.2022) is added up for the FY 2020-21.
- v. Thus, TS Discoms requests the Hon'ble Commission to consider the Net Power Purchase True up after deducting the loss funding provided by the Government of Telangana from the total Power Purchase True up as per the regulation.

- vi. The below tables briefs about the Power Purchase true up for TSNPDCL calculated in line with the regulatory provisions of Clause 12.5 of APERC Regulation 1 of 2014.


FY 2020-21	Power Purchase True up/True down as per Regulation (Rs. Crs)
True-up amount	1710.43
Loss Funding	1220.18
Net True-up	490.25

- vii. The licensee proposes to recover the net Power Purchase true up amount of Rs. **490.25** crores from the Consumers in the form of additional ARR in the ensuing Tariff Order.
6. Based on the information available, the applicant has made sincere efforts to comply with the Regulation of the Hon'ble Commission and discharge its obligations to the best of its abilities. However, should any further material information become available in the near future, the applicant reserves the right to file such additional information and consequently amend/ revise the application.
7. In the aforesaid facts and circumstances, the Applicant requests that this Hon'ble Commission may be pleased to:
- Admit the net Power Purchase True Up Petition filed by the Licensee, in accordance with Sub clause 12.5 of APERC Regulation 1 of 2014 for the FY 2020-21.
 - Approve the net Power Purchase True Up cost as submitted in the Petition in order to recover financial losses of the licensee.
 - Allow the impact of net Power Purchase True up to be passed on, in the subsequent Tariff Orders to be issued by Hon'ble Commission
 - Grant suitable opportunity to TSNPDCL within a reasonable time frame to file additional material information that may be subsequently available;

- e) Consider and approve TSNPDCL's net power purchase True-up application including all requested regulatory treatments in the filing;
- f) Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED
(APPLICANT)

Through


CHIEF GENERAL MANAGER
IPC&RAC/TSNPDCL

Place: Hanumakonda
Dated: 16 -12-2022.

**BEFORE THE HONOURABLE TELANGANA STATE ELECTRICITY REGULATORY
COMMISSION**

Office at 5th Floor, Singareni Bhavan, Red Hills, Hyderabad - 500 004

FILING NO. _____/2022

CASE NO. _____/2022

In the matter of:

Filing of the Power Purchase True-up application for Retail Supply Business for the FY 2020-21 in accordance with the “Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 4 of 2005” and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC) by the Northern Power Distribution Company of Telangana Limited (‘TSNPDCL’ or ‘the Company’ or ‘the Licensee’) as the Distribution and Retail Supply Licensee

In the matter of:

NORTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

... Applicant

**AFFIDAVIT OF APPLICANT VERIFYING THE APPLICATION ACCOMPANYING
FILING AS PER TERMS AND CONDITIONS OF TARIFF FOR WHEELING AND
RETAIL SALE OF ELECTRICITY**

I, Sri. T. Madhusudhan, son of Sri T. Laxmipathi, aged 57 years working for gain at the Northern Power Distribution Company of Telangana Limited do solemnly affirm and say as follows:

- 1 I am the Chief General Manager/IPC&RAC of TSNPDCL, the Licensee that has Licence No. 14 of 2000, vide the Hon’ble Commission’s approval in proceedings No. APERC/Secy/Engg/No.6 dt.31.3.2000, been granted the distribution and retail supply functions that Transco was authorised to conduct or carry out under the Act and the license, with respect to the business of distribution and retail supply of electricity in the Northern

- distribution zone in Telangana. On December 27, 2000, the Hon'ble Commission has awarded a Distribution and Retail Supply Licence to TSNPDCL effected from April 1, 2001.
- 2 I am competent and duly authorised by TSNPDCL to affirm, swear, execute and file this affidavit in the present proceedings.
 - 3 I submit that I have read and understood the contents of the appended application of TSNPDCL. The facts stated in the application are true to the best of my knowledge, which are derived from the official records made available and certain facts stated are based on information and advice which, I believe to be true and correct.
 - 4 I submit that for the reasons, and facts stated in the appended application this Applicant pray that the Hon'ble Commission may be pleased to:
 - Admit the net Power Purchase True Up Petition filed by the Licensee, in accordance with Sub clause 12.5 of APERC Regulation 1 of 2014 for the FY 2020-21.
 - Approve the net Power Purchase True Up cost as submitted in the Petition in order to recover financial losses of the licensee.
 - Allow the impact of net Power Purchase True up to be passed on, in the subsequent Tariff Orders to be issued by Hon'ble Commission
 - Grant suitable opportunity to TSNPDCL within a reasonable time frame to file additional material information that may be subsequently available;
 - Consider and approve TSNPDCL's net power purchase True-up application including all requested regulatory treatments in the filing;
 - Pass such order as the Hon'ble Commission may deem fit and proper in the facts and circumstances of the case.


DEPONENT
Chief General Manager
IPC & RAC TSNPDCL,
Warangal.

VERIFICATION:

I, the above named Deponent solemnly affirm at Hanumakonda on this 16th Day of December 2022 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.


DEPONENT
Chief General Manager
IPC & RAC TSNPDCL,
Warangal.

Solemnly affirmed and signed before me.


General Manager
IPC & RAC, TSNPDCL
Warangal.

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1 Power Purchase True-up

1.1 Introduction

Regulatory Provisions:

Sub clause 12.5 of APERC Regulation 1 of 2014 stipulates as follows:

"12.5 True-up for Retail Supply Business

a. The Distribution Licensee shall include the power purchase cost variation over the previous year Power Purchase cost in the Tariff Order as expense (in the event of incurring excess cost)/rebate (in case of cost saving) in the ARR as special item with relevant details. To arrive the power purchase cost variation, the least of the following power purchase quantity is to be considered:

i) Actual power purchase quantity procured by the Discoms for its consumers.

ii) Power purchase quantity computed based on actual sales except LT Agriculture sales. LT Agricultural sales will be limited to Tariff Order quantity. These aggregated sales will be grossed up with approved losses for the relevant year in the MYT orders.

b. Since the complete information of cost actually incurred relating to previous year will not be available at the time of filing of ARR for a particular tariff year, the Licensee may include provisional cost variation for the previous year in ARR filings which will be subject to final correction by the Commission as and when final accounts for that year become available..

c. The Licensees shall also include in the ARR the amounts to be collected on final basis being the difference between the cost incurred based on audited annual accounts report and costs provisionally approved by the Commission in the Tariff Order for the year immediately preceding the previous year."

As per the Regulation, the Licensee is now filing the Power Purchase True up for the FY2020-21.

The Licensee has submitted an application to the Commission for making amendments to the Principal Regulation No. 4 of 2005 on 16.08.2017 wherein the licensee has requested the Hon'ble Commission to amend the regulation on True-up by allowing the actual agricultural sales in arriving Power Purchase cost True-ups so as to allow the DISCOMs to pass on the excess Power purchase cost in the ARR of Retail Supply Business. The matter was still under consideration by the Hon'ble Commission at that juncture.

Eventually, the licensee has submitted the petition for ARR for Retail Supply Business for FY2019-20, FY2020-21 and FY2021-22 before the Hon'ble Commission dated 31.03.2021 with a request to condone the delay in filing the aforementioned petition within the stipulated timeline due to certain unavoidable situations that are beyond the control limit of the licensee viz., enforcement of Model Code of Conduct in view of elections to the Parliament, State Legislature, local bodies; non-operational of the Hon'ble commission for a certain period and further imposition of lockdown in the country in view of outbreak of pandemic COVID-19.

It is pertinent to mention that, the licensee has once again filed the petition for Amendment of Regulation No. 4 of 2005 on 30.09.2019 requesting the Hon'ble Commission proposing certain additions to the uncontrollable items in the ARR and modifications to the existing uncontrollable items viz., considering actual Agriculture Sales, actual T&D losses etc., for passing through the gains or losses of the licensees to cope up with the present day situations.

Eventually, the Hon'ble Commission dismissed the petition vide order in O.P.(S.R.) No.33 of 2019 dated 02.06.2021 stating that the regulation which is termed as subordinate or delegated legislation, cannot be amended or varied by invoking power either through the adjudicatory proceedings or inherent rule making power at the instance of any of the stakeholders and further opined that the submissions of the TSDISCOMs would be treated as suggestion/input as and when the Commission initiates the process of adding to or amending or varying regulation.

The licensee could not file the power purchase true-ups in the ARR filings for FY22-23 to avoid undue burden on the consumers in view of proposed tariff hike. Hence, the licensee proposed to file the power purchase true-ups separately to pass-on the burden in the ensuing tariff order.

However, the licensee would like to mention that, the Hon'ble Commission has approved Agriculture Sales in the Retail Supply Tariff (RST) Order for FY18-19 considering 10hrs of supply (Ref: Pg 59 of RST for the FY 2018-19). In this regard, it is to submit that, the Discoms has been supplying 24hrs supply to agriculture w.e.f. 01.01.2018 as per the policy of Govt. of Telangana that had significantly increased the Agriculture sales deviating from the approved values (at state level) as presented below:

FY	Approved Agriculture Sales (MU)	Actual Agriculture Sales (MU)	% Variation
2018-19	14262	20838	46%
2019-20*	14262	17959	26%
2020-21*	14262	19649	38%

*considering the approved values to be same as that of FY2018-19

Further, it is pertinent to mention that, the licensee has been estimating the Agriculture sales based on the ISI methodology that has been approved by the Hon'ble Commission.

Hence, any disallowance of the actual consumption as specified above in view of major policy decision in the state would significantly impact the financials of the Discoms that would eventually affect the sustenance of the Discoms.

Further, the licensee had received loss funding for the FY 2020-21 from Government of Telangana in June 2022.

Due to the aforementioned reasons, the licensee could not file the power purchase true-ups in the stipulated timeline. Hence, the licensee humbly requests the Hon'ble Commission to condone the delay in filing the present petition. The licensee is also herewith submitting the petition for condonation of delay along with the present petition.

The Licensee, TSNPDCL, hereby submits the Power Purchase true up for FY2020-21 calculated separately first after considering the Actual Agriculture sales and then limiting the Agricultural sales as per the Regulation along with this filing. A summary of Power Purchase True up submitted by TSNPDCL, in this Petition is provided in the table below:

Year	Power Purchase True-up as submitted by TSNPDCL (in Rs. Crs)	
	Considering actual agriculture sales	Considering agriculture sales as per Regulation
FY 2020-21	2,482.94	1,710.43

The Licensees in the state of Telangana purchase power from TSGENCO generating thermal and hydro stations, Central generating stations and other sources such as, Solar and other RE sources, IPPs, viz. Singareni, Thermal Power Tech and CSPDCL, and short-term sources to meet the energy requirement of the State.

1.2 Power Purchase True up for the FY 2020-21 at the State level

- As mentioned earlier, the licensees could not file the Power Purchase True-ups for FY2020-21 awaiting the Hon'ble Commission's decision on the petition submitted by the Discoms on Amendment to Reg. No. 4 of 2005.
- Subsequently, the Hon'ble Commission vide its letter dated 17.06.2021 directed the Discoms to submit the power purchase true-ups for relevant years viz., FY2018-19 to FY2020-21 along with the FPT filing for consideration by the commission in continuation to the ARR filings for FY2019-20 to FY2020-21 submitted by the licensees dated 31.03.2021.
- It is pertinent to mention, that Hon'ble Commission passed orders dated 06.11.2019, 20.03.2020 and 27.03.2021 in I.A.Nos. 3 of 2019, 8 of 2020 and 4 of 2021 in O.P. No. 21 & 22 of 2017 filed by the Discoms, continuing the existing Retail Supply Tariffs, Cross Subsidy Surcharge & Additional Surcharge for FY2019-20, FY2020-21 & FY2021-22 respectively.
- Hence, in view of the above, the licensees have considered the approved power purchase cost for FY2018-19 in arriving at the True-up for FY2020-21. Further, the licensees have considered the approved transmission cost & SLDC cost as per the MYT Transmission Tariff Order & SLDC Order for 4th control period (FY2019-20 to FY2023-24) respectively for the relevant years in arriving the true-up.
- Further, the Licensees had started supplying 24hrs power to all agricultural consumers w.e.f. date January 1, 2018. This has resulted in 38% increase in agricultural sales (FY2020-21) over the approved values for the FY 2018-19.

- In light of the actual sales number being available for the FY 2020-21, the Licensees present before the commission, the impact of provision of 24*7 supply to all agricultural consumers. Following table shows the increase in sales over approved figures for the year 2018-19.

Category wise Approved v/s Actual sales						
Consumer Category	TSSPDCL		TSNPDCL		Total	
	Approved	Actuals	Approved	Actuals	Approved	Actuals
LT Category	20,779.61	24,286.22	10,443.58	12,927.82	31,223.19	37,214.04
Category V (Irrigation & Agriculture)	8,272.34	11,744.84	5,989.69	7,904.02	14,262.02	19,648.86
HT Category at 11 kV	5,111.63	5,013.61	1,590.86	2,014.51	6,702.48	7,028.12
HT Category at 33 kV	4,074.23	4,537.05	388.97	610.79	4,463.20	5,147.84
HT Category at 132 kV	4,135.12	4,437.80	3,196.80	3,220.81	7,331.93	7,658.61
Total	34,100.59	38,274.67	15,620.20	18,773.94	49,720.79	57,048.61

- The Petitioners submit that based on annual audited accounts and approved distribution losses, power purchase cost (including transmission charges) arrives at Rs.23,361 Cr for TSSPDCL and Rs 10,967 Cr. for TSNPDCL, aggregating to Rs. 34,328 Cr for the Telangana for FY 2020-21 as shown in the table below.

PP cost Variation Analysis TSDISCOMS FY 21											
Category	Energy Dispatched		Fixed cost		Variable cost		Other Cost		Total INR Cr. Impact		
	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Diff.
Genco Thermal	18676	19598	2998	3726	4418	4927	0	-	7416	8653	1237
Genco Hydel	2986	3424	1063	1081	0	0	0	-	1063	1081	18
CGS	15873	11747	1251	1646	3820	3428	0	365	5072	5438	367
APGPCL and IPPS Gas	58	0	4	0	12	0	0	-	16	0	-16
NCE	5200	6558	38	-	2865	3795	0	78	2903	3873	971
Others	21727	16235	4866	3794	3501	3476	0	132	8367	7402	-965
Market	1159	8689	0	420	448	2925	0	100	448	3445	2997
Interstate Sale/UI/Sale/Purchase in 33kV & below	-8047	-1072	0	-	-2494	-337	0	-	-2494	-337	2158
D-D		0	0	-		0	0	-		0	0
Interest on pension bonds	0	-	684	1173	0	-	0	-	684	1173	488
Transmission	0	-	0	-	0	-			3289	3878	589

PP cost Variation Analysis TSDISCOMS FY 21											
Category	Energy Dispatched		Fixed cost		Variable cost		Other Cost		Total INR Cr. Impact		
	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Diff.
charges											
Miscellaneous	0		0		0		0	-279	0	-279	-279
Total	57631	65180	10904	11840	12570	18214	0	396	26763	34328	7564

*other costs pertain to LPSC, NCE provisions for FY19-20 & FY20-21, provisions for singareni & STOA charges.

1.2.1 Reasons for deviation in Power Purchase Quantum and Cost for the State:

The actual energy dispatched by the State is 13% higher for FY20-21 and is following a similar trend of the previous years viz., FY18-19 & FY19-20 that is majorly due to 24 * 7 power supply to agricultural consumers in the state. Hence, the relevant cost commitments by the licensees have also significantly increased. The detailed explanation for the same is presented below:

i) Deviations in Energy Dispatch:

- **Hydel Power:** The State of Telangana has witnessed significantly higher rainfall levels, across the state during the FY 2020-21. As the recorded rainfall is high, a quantum amounting to 3424 MUs was generated from hydel power stations during the year.
 - The actual hydel generation, thus achieved in the FY 2020-21, is 14% higher than the energy dispatch as approved by the Hon'ble Commission, which stands at 2,986 MUs
- **Central Generating Stations (CGS):** There was lower dispatch from NTPC stations as compared to approved dispatch. This led to the decrease in energy received from CGS stations by 4126 MUs (26% decrease) from the approved energy dispatch by the Hon'ble Commission.
- **Others:** CSPGCL is declaring a lower plant availability, as compared to normative PAF, leading to a significant variation in actual PP quantum over the approved figures.

To make up for the shortfall in generation and provide for the additional demand arising due to supply of 24*7 power to all consumers and demand arising from LIS loads, the

Licensee, had managed to procure the shortfall in energy dispatch, from various other sources as detailed below.

- **State GENCO - (Thermal):**
 - To make up for the shortfall in generation and provide for the additional demand arising due to supply of 24*7 power to all consumers including agricultural consumers, the Licensees have procured additional energy from Thermal stations of TSGENCO.
 - An additional 923 MUs have been procured from TSGENCO Thermal stations during the FY 2020-21, which is 4.9% higher than the approved dispatch by the Hon'ble Commission.
- **Non-Conventional Energy Sources (NCES):**
 - The Licensee is committed to procure clean and sustainable energy sources to meet the Renewable energy obligation requirement.
 - In accordance with the same, incremental energy was procured from NCE sources to meet the demand of the state. The Licensees have procured an additional 1,358 MUs from the NCES sources in FY 2020-21, amounting to a total of 6,558 MUs as against 5,200 MUs approved by the Hon'ble Commission.
- **Short term power sources:**
 - It is Pertinent to mention that the state of Telangana has started supplying 24 * 7 power to agricultural sector from January 1, 2018. This has increased the power purchase requirement for the whole FY 2020-21.
 - The Licensees, after exhausting all their sources, have resorted to procure power from short term market for the FY 2020-21.
 - The Licensees submit that the power was procured to meet the sudden increase in power demand in the state for the FY 2020-21.

- To meet the power demand, the Licensees had purchased a total of 8,689 MUs from the Short-term market for the State of Telangana for the FY 2020-21. An additional 7,531 MUs have been purchased in addition to Commission's approval which stands at 1,159 MUs.
- The Licensees submit that they have made enormous effort to procure power from long term sources. However, due to paucity of time, it was not possible to find a long-term Power purchase source in FY 2020-21.
- The Licensee has made continual effort in this regard and has executed few power purchase agreements with long term sources (CGS & NCEs sources) during the FY 2020-21 to meet the rising demands in the state. These Plants are expected to commission by FY 22/23
- In this context, the Licensees humbly requests the Hon'ble Commission to allow the Short-term power purchase quantum for the FY 2020-21.

ii) **Deviations in Power Purchase Cost:** The deviations in power purchase cost is further classified into two categories (fixed cost and variable cost) and is discussed below in detail:

- **Variations in Fixed Cost (FC):** There was an overall increase in the fixed costs from the approved Rs. 10,220 Cr. to an actual Rs. 10,667 Cr. (4.4% increase from approved value) incurred by the Licensees during the FY 2020-21. This is mostly attributable to increase in overall fixed costs of TSGENCO (Thermal) and CGS.
- Further, the commissioning of TS Genco Station BTPS and the decommissioning of KTPS had led to an increase in fixed cost commitments of the licensee to a tune of Rs.728 Cr.
- **Variations in Variable cost (VC):** Variable Costs has increased to the tune of Rs. 5,644 Cr, from the approved costs. The reason for such increase can be mostly attributed to the increase in per unit VC of TSGENCO Thermal power stations, NCEs, other IPPs and procurement from Short term market to meet the 24 * 7 power supply initiative to the agricultural consumers in the state. The details have been further explained below:

- For Thermal Stations (TSGENCO Thermal power stations, CGS, Singareni, Thermal Power Tech) at the time of issuance of order, the cost assumptions considered by the Hon'ble Commission were provisional, but due to increase in cost of Coal, Freight, Royalty and levy of Green CESS, the variable cost of thermal stations has increased significantly. While TSGENCO recovers the deviation in actual variable cost on a quarterly basis from the licensees, the same is not passed on to the consumers by the DISCOMS.
- **TSGENCO Thermal Stations:** The variable costs of the TSGENCO stations increased by 6% from the approved Rs 2.37/kWh to Rs. 2.51/kWh. With the increase in power procurement from these stations, the overall Variable cost has increased to an extent of Rs. 509 Cr for the FY 2020-21.
- **CGS Stations:** The Variable cost has increased significantly by 21% from the approved costs by the Hon'ble Commission (from Rs. 2.41/kWh to Rs. 2.92/kWh).
- **IPP (Thermal Power Tech):** For IPP – Thermal Power tech increase in purchase cost was caused due to the increase in domestic coal prices, freight charges and forex rate variations on the imported coal component. The Variable cost has increased significantly by 33% from the approved costs by the Hon'ble Commission (from Rs. 1.61/kWh to Rs. 2.14/kWh).
- **PGCIL** announces quarterly transmission charges. At the time of issuance of order, total cost considered for PGCIL charges was Rs 922.72 Cr. which was revised to INR 1,511 Cr based on actual applicable charges and energy drawn, amounting to an upwards revision of INR 589 Cr. in the cost.
- The **dispatch from NCEs**, being the must-run stations at a higher per unit cost of Rs.5.79/kWh from an approved cost of Rs.5.51/kWh also led to an increase in cost commitments of the licensees to the tune of Rs. 930 Cr.
- The **dispatch from Solar Power Generators**, being the must-run stations at a higher per unit cost of Rs.5.87/kWh from an approved cost of Rs.5.38/kWh also led to an increase in cost commitments of the licensees.
- The **Late Payment Surcharge** mechanism for the Central Generating Stations by the Ministry of Power also added the financial burden on the licensees to a tune of Rs.365 Cr.

- **Short-Term Power:** As explained in the earlier sections, the Licensees had sourced additional power requirement for the state by procuring power from short term sources. This has increased the power purchase costs of the Licensees by Rs. 2997 Cr.
- The actual quantum and revenue of sale of surplus power in FY 2020-21 was significantly lower than the approved figures leading to increase in true up cost claims.

1.2.2 Power Purchase True-up for TSNPDCL for the FY 2020-21

- The Licensee TSNPDCL for the FY 2020-21 had incurred few miscellaneous expenses and certain received miscellaneous revenue as explained below:
 - Certain Receivables from TSTRANSCO towards LIS funds of Rs. 371.55 Cr. were paid to the licensees in miscellaneous charges, that was passed on to the consumers of which revenue of Rs. 109.42 Cr pertains to TSNPDCL. Following table shows the breakup of miscellaneous charges for TSNPDCL.

Miscellaneous charges for TSNPDCL	
Item/Particular	Amount (Rs. Crore)
UI/SRPC deviation charges	10.12
Thermal incentive 20-21	4.93
Reactive	4.03
LPSC Cost	0.82
Advance Income Tax 2020-21(Net)	0.45
Wheeling TRANSCO/Asset Maintenance	0.07
Wheeling KPTCL/Reactive KPTCL/AP	0.00
Received from Saraswati Power	-0.01
Receivable from TRANSCO towards LIS Funds	-109.42
Total	(89.03)

- Basis the above power purchase cost incurred at the State level for the FY 2020-21, TSNPDCL is allocated its share of the Power Purchase cost in the approved ratio of 29.45 % and further additions for any additional energy required to meet demand.
- The Power purchase true-up cost of the Licensee TSNPDCL for the FY 2020-21 is tabulated below:

PP cost variation TSNPDCL FY 21					
Category	Energy Dispatched		Total INR Cr. Impact		
	Approved	Actual	Approved	Actual	Difference
Genco Thermal	5500	5772	2184	2548	364
Genco Hydel	879	1008	313	318	5
CGS	4675	3460	1494	1602	108
APGPCL and IPPS Gas	17	0	5	0	(5)
NCE	1565	2041	881	1181	300
Others	6399	4781	2464	2171	(293)
Market	1100	2559	425	1014	589
Interstate Sale/UI/Sale/Purchase in 33kV & below	(4023)	(314)	(1247)	(119)	1128
D-D purchase/UI	1972	2174	789	846	57
Interest on Pension Bonds	0	0	202	345	144
Miscellaneous	0	0	0	(89)	(89)
Transmission cost			975	1148	173
Total	18084	21481	8484	10967	2483

- The details of station wise deviations of power purchase cost for the FY 2020-21 is enclosed as **Annexure-H**.

The previous sections detail about the impact of 24*7 supply of power to agriculture on the power purchase cost. It is pertinent to mention that, the licensees had prayed before the Hon'ble Commission at various junctures to include the same in the relevant regulations or review the approved sales viz., Review petition filed by the licensees on Tariff Order for FY17-18 and Petition filed for Amendment to Regulation 4 of 2005.

However, the same has been declined by the Hon'ble Commission stating that submissions of the TSDISCOMs would be treated as suggestion/input as and when the Commission initiates the process of adding to or amending or varying regulation.

Hence, in view of the above, the licensee is adhering to the Regulation 1 of 2014 adopted by the Hon'ble TSERC in claiming the true-ups for relevant period strictly limiting the agricultural sales as per the Regulation. The below table briefs about the Power Purchase true up for TSNPDCL calculated in line with the regulatory provisions of Sub Clause 12.5 of APERC Regulation 1 of 2014.

FY	Power Purchase True up as per Regulation (Rs. Crs)
2020-21*	1,710.43

*considering ARR for FY 2020-21 to be same as that approved for FY18-19

The detailed station wise deviations of power purchase cost for the FY 2020-21- as per the Regulation is enclosed as **Annexure-I**.

Loss takeover by GoTS:

The GoTS vide G.O. Ms. No. 15 dated 18.06.2022 has sanctioned and later released Rs. 1220.18 Crore towards takeover of 50% of losses for FY 2020-21.

In view of the above, TS Discoms requests the Hon'ble Commission to consider the Net Power Purchase True up after deducting the loss funding provided by the Government of Telangana from the total Power Purchase True up as per the regulation.

1.3 Amendment of Regulation 4 of 2005

The Licensee humbly submits that the present-day power sector depicts different set of conditions from the earlier days owing to the latest developments relating to the significant inclusion of clean energy sources, enlarging the energy market, supplying 24*7 power to all the consumers etc. All these developments have a significant impact on the cost implications of the distribution licensees.

However, Regulation No. 4 of 2005 viz., Terms and Conditions for Determination of Tariff for wheeling and Retail Sale of Electricity that was notified by the Hon'ble Commission suiting the earlier situations does not adapt to the present-day scenario (like incorporating certain provisions relating to banked energy, purchase from solar roof top, considering the actual sales, automatic fuel surcharge adjustment etc) impacting the financials of the licensees.

Further, the licensee submits that, the National Tariff Policy (NTP),2016 mentions that the solvency of distribution sector is key to the success of power sector reforms and hence mandates the Regulatory Commissions to strike the right balance between the requirements of the commercial viability of Distribution Licensees and the Consumer interest and the same is presented below:

*"8.0..... Making the **distribution segment of the industry efficient and solvent is the key to success of power sector reforms** and provision of services of specified standards. Therefore, **the Regulatory Commissions need to strike the right balance***

between the requirements of the commercial viability of distribution licensees and consumer interest.....”

Hence, timely revaluation of the Regulations or acts is highly essential in the interests of the stakeholders for the sustainability of the sector.

Recently, the Central Government in exercise of the powers conferred in Section 176 of the Electricity Act, notified “Electricity (Timely Recovery of Costs due to change in Law) Rules,2021” on 22.10.2021. In this connection a letter was received from the Joint Secretary to the Government of India on 09.11.2021 for taking necessary action.

The Central Government after detailed consultation with all the stakeholders made the above Rules for an automatic pass through of impact in cost due to change in law automatically by a formula. These rules shall apply to a generating company and transmission licensee to recover costs due to change in Law from the Distribution companies on monthly basis.

However, it is to submit that there is no such automatic pass-through mechanism of power purchase true-up applicable to the DISCOMs in the erstwhile APERC Regulation No. 4 of 2005 read with its 1st amendment in Regulation No.1 of 2014 as adopted by Hon’ble TSERC vide its Regulation No.1 of 2014. The implementation of the above said Rules by the Generating Company or transmission licensee on monthly basis without provision for the Distribution licensee to recover the same on monthly basis from the consumers shall have adverse impact on the financials of the DISCOM leading to huge working capital costs and also affect the entire value chain of the power sector.

Hence, in a similar way, **the licensees humbly request the Hon’ble Commission to amend the Regulation No. 4 of 2005 adapting the present-day situations and in accordance to the Central Government Rules on “Electricity (Timely Recovery of Costs due to change in Law) Rules,2021” thereby safeguarding the interests of the distribution licensees.**

2 Treatment of True-up

2.1 The Context

- Cost true ups are warranted as tariff filings and tariff orders are issued based on futuristic projections of various revenue and cost elements. The variations in projections and actuals should ideally be due to unforeseen changes such as new regulations (increase in Taxes /Coal CESS), natural disasters leading to higher capital investments / operating expenses and other force majeure conditions.
- Efforts should be made by all the stakeholders involved to reduce such true ups of costs in business-as-usual scenarios. Higher true up costs will have an adverse effect on both the performance of utility (as the gap has to be funded through short term sources) and customers (tariff increases to recover such gaps with carrying costs).
- This leads to reduced financial capacity of the utility to raise long term finances at competitive rates. Current true ups and the carrying costs have to be borne by customers for future energy procurement.

2.2 Power Purchase True Up

- The Licensee has already elaborated the basis on which it claims the Power purchase true ups in the relevant sections of this Petition. However, it wants to place further emphasis on the concern of lower sales approvals leading to significant variation in approved vs actual power procurement cost, as listed below:

FY	Power Purchase True up considering actual agri. Sales (Rs. Crs)	Approved ARR (in Rs. Crs)	True up as a % of ARR
2016-17	715	7,654	9%
2017-18	1530	8,433	18%
2018-19	2315	9,860	23%
2019-20*	2400	9,860	24%
2020-21*	2483	9,860	25%

*considering ARR for FY2019-20 and FY 2020-21 to be same as that approved for FY18-19

- The major reason for variation in agriculture sales is the non-recognition of 24 hours supply by the Commission. True up due to agriculture sales is not considered fully as per

the prevailing regulations. The relevant regulation is reproduced below for ready reference of the Hon'ble Commission:

"The Distribution licensee shall include the power purchase cost variation over the previous year Power Purchase cost in the tariff order as expense (in the event of incurring excess cost/rebate (in case of cost saving) in the ARR as special item with relevant details. To arrive the power purchase cost variation, the least of the following power purchase quantity is to be considered:

Actual power purchase quantity procured by the DISCOSMs for its consumers.

Power purchase quantity computed based on actual sales except LT agricultural sales. LT agricultural sales will be limited to Tariff Order quantity. The aggregated sales will be grossed up with approved losses for the relevant year in the MYT orders"

- The variation in power purchase cost for the FY 2018-19 is around 23% of the total approved ARR. This clearly indicates that that the Licensee had been undertaking the business with a deficit of around 23%, which adds to financial strain leading to short term borrowings.
- In this petition the licensee has several times stressed upon considering the actual agricultural sales for calculating the true up. Licensee presented Power Purchase true up calculation after considering the actual agricultural sales. However, for the reasons mentioned in the earlier chapter, the licensee has also calculated the Power purchase true up by limiting the agriculture sales (10 Hrs. agriculture supply) as per the Regulation. The below table briefs about the Power Purchase true up for TSNPDCL calculated in line with the regulatory provisions of Sub clause 12.5 of APERC Regulation 1 of 2014 and also considering the additional support from Government of Telangana.

FY 2020-21*	Power Purchase True up as per Regulation (Rs. Crs)
True-up amount	1,710.43
Loss Funding	1220.18
Net True-up	490.25

*considering ARR for FY 2020-21 to be same as that approved for FY18-19

3 Prayer

The Licensee requests the Hon'ble Regulatory Commission:

- To admit the net Power Purchase True Up Petition filed by the Licensee, in accordance with Sub clause 12.5 of APERC Regulation 1 of 2014.
- To approve the Power Purchase True Up cost as follows for the FY 2020-21

FY 2020-21*	Power Purchase True up as per Regulation (Rs. Crs)
True-up amount	1,710.43
Loss Funding	1220.18
Net True-up	490.25

*considering ARR for FY 2020-21 to be same as that approved for FY18-19

- To approve the deviation from the approved values for Power Purchase quantum and cost for as approved in the earlier Tariff Orders and to allow pass through of the same.
- To allow the impact of net Power Purchase True up to be passed on, in the subsequent Tariff Order to be issued by Hon'ble Commission.
- To pass any other order as the Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.
- To condone any errors/omissions and to give opportunity to rectify the same
- To permit the Licensees to make further submissions, addition and alteration to this True-up as may be necessary from time to time.
- To Amend the Regulation 4 of 2005 adapting the present-day situations and in accordance to the Central Government Rules on "Electricity (Timely Recovery of Costs due to change in Law) Rules,2021".