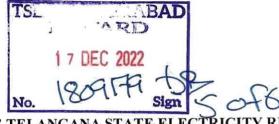
SR MO. 1250 2002



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 applications for Retail Supply Business for the FY 2019-20 in accordance with the "Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005" and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC) by the Southern Power Distribution Company of Telangana Limited ('TSSPDCL' or 'the Company' or 'the Licensee') as the Distribution and Retail Supply Licensee

In the matter of:

SOUTHERN 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, Licenses 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in electricity in the State of Telangana including the Commission and shall continue to have effect until duly altered, repealed or amended, any of Regulation by the Commission with effect from the date of notification as per Notification issued by the Government of Telangana in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 SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED (TSSPDCL) 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 2019-20 in accordance to the Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005" and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC vide Regulation No. 1 of 2014).
- Accordingly, the Licensee in this filing submits the following Proposal of final Power Purchase True-ups for FY 2019-20 in accordance to APERC Regulation No. 1 of 2014 as adopted by TSERC vide Regulation No. 1 of 2014: -

4. Power Purchase True-ups:

- 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-down 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 Licensees have submitted an application to the Commission for making amendments to the Principal Regulation No. 4 of 2005 on 11.08.2017 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 i.e., FY 2019-20 (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 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	Net Power purchase TSSPDCL (in Rs. C	True-up as arrived by Crs)			
அவித்தப் நடைப்பட்டி இந்த	Considering actual agriculture sales	Considering agriculture sales as per the Regulation			
FY 2019-20	5,453	3,900			

5. Treatment of True-ups:

- i. It is to submit that as mentioned in the Para supra, the licensee has True-ups claim of Rs. 5453 crores after considering the actual agriculture sales for the FY 2019-20 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. Additionally, it is to mention that Government of Telangana has already infused the equity of INR 1400 Cr., in addition to the subsidy, which is improving the cash flows of Discoms.
- v. In addition to the above subsidy, Loss funding amount of Rs. 2470.12 Crores provided by Government of Telangana (vide G.O. Ms. No. 15 dated 18.06.2022) is added up for the FY2019-20.
- vi. Thus, TS Discoms requests the Hon'ble Commission to consider the Net Power Purchase True up after deducting the equity infusion and loss funding provided by the Government of Telangana from the total Power Purchase True up as per the regulation.
- vii. The below tables briefs about the Power Purchase true up for TSSPDCL calculated in line with the regulatory provisions of Clause 12.5 of APERC Regulation 1 of 2014.

FY	Power Purchase True up/True down as per Regulation (Rs. Crs)
2019-20*	3,900.32
Additional Support provided by GoTS	1,400.00
Loss Funding	2470.12
Net True-up claim	30.20

viii. The licenseee proposes to recover the Net Power Purchase true up amount of Rs. 30.20 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. This filing has been discussed and approved by the Board of Directors of TSSPDCL and Sri. Ch. Chakrapani, Chief General Manager/RAC of TSSPDCL has been authorised to execute and file the said document on behalf of TSSPDCL. Accordingly, the current filing documents are signed and verified by, and backed by the affidavit of Sri. Ch. Chakrapani, the Chief General Manager/RAC of TSSPDCL.
- 8. In the aforesaid facts and circumstances, the Applicant requests that this Hon'ble Commission may be pleased to:
 - a) To admit the Power Purchase True Up Petition filed by the Licensee, in accordance with Clause 12.5 of APERC Regulation 1 of 2014 for the for FY 2019-20
 - b) To approve the Power Purchase True Up cost as submitted in the Petition in order to recover financial losses of the licensee.
 - c) To allow the impact of Power Purchase True up to be passed on, in the subsequent Tariff Orders to be issued by Hon'ble Commission

- d) Grant suitable opportunity to TSSPDCL within a reasonable time frame to file additional material information that may be subsequently available;
- e) Consider and approve TSSPDCL's 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.

SOUTHERN POWER DISTRIBUTION COMPANY OF TELANGANA LIMITED

(APPLICANT)

Through

CHIEF GENERAL MANAGER/RAC/TSSPDCL

CHIEF GENERAL MANAGER

(RAC), TSSPDCL, Corporate Office, 6-1-50, Mint Compound, Hyd-500 063

Place: Hyderabad

Sie

Dated: 14-12-2022

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:

1504

Filing of the Power Purchase True-up applications for Retail Supply Business for the for FY 2019-20 in accordance with the "Andhra Pradesh Electricity Regulatory Commission (Terms and Conditions for determination of Tariff for Wheeling and Retail Sale of Electricity) Regulation, 2005" and its first amendment Regulation 1 of 2014 thereof (adopted by TSERC) by the Southern Power Distribution Company of Telangana Limited ("TSSPDCL" or "the Company" or "the Licensee") as the Distribution and Retail Supply Licensee

In the matter of:

SOUTHERN 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. CHILUKAMARI CHAKRAPANI, son of Sri NARSAIAH, aged 54 years working for gain at the Southern Power Distribution Company of Telangana Limited do solemnly affirm and say as follows:

I am the Chief General Manager/RAC of TSSPDCL, the Licensee that has, 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 Southern distribution zone in Telangana. On December 27, 2000, the Hon'ble Commission has awarded a Distribution and Retail Supply License to TSSPDCL effected from April 1, 2001.

2 I am competent and duly authorised by TSSPDCL to affirm, swear, execute and file this affidavit in the present proceedings.

动机

- 3 As such, I submit that I have been duly authorised by the Board of Directors of TSSPDCL to submit the true-up application, as per Terms and Conditions of Tariff for Wheeling and Retail Sale of Electricity (Regulation 4 of 2005) of TSSPDCL for the FY 2019-20 to Hon'ble Commission.
- 4 I submit that I have read and understood the contents of the appended application of TSSPDCL. 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.
- 5 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
 - To admit the Power Purchase True Up Petition filed by the Licensee, in accordance with Clause 12.5 of APERC Regulation 1 of 2014 for the FY 2019-20
 - To approve the Power Purchase True Up cost as submitted in the Petition in order to recover financial losses of the licensee.
 - To allow the impact of Power Purchase True up to be passed on, in the subsequent Tariff
 Orders to be issued by Hon'ble Commission
 - Grant suitable opportunity to TSSPDCL within a reasonable time frame to file additional material information that may be subsequently available;
 - Consider and approve TSSPDCL's 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.

CHIEF GENERAL MANAGER
(RAC), TSSPDCL,
Corporate Office, 6-1-50,

VERIFICATION:

I, the above named Deponent solemnly affirm at Hyderabad on this 12 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.

Solemnly affirmed and signed before me.

V. ANIL KUMLAR
COMPANY SECRETARY
TSSPDCL, Corporate Office & Registered Office
6-1-50, Mint Compound,
HYDERABAD-500 063. T.S.

CHIEF GENERAL MANAGER (RAC), TSSPDCL, Corporate Office, 6-1-50, Mint Compound, Hyd-500 063

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1 Power Purchase True-ups

1.1 Introduction

Regulatory Provisions:

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 FY2019-20.

The Licensees have submitted an application to the Commission for making amendments to the Principal Regulation No. 4 of 2005 on 11.08.2017 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; defunct 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.

In view of the aforementioned proposals, the licensee could not file the power purchase true-ups for FY2016-17 to FY2020-21 along with the filings of ARR for Retail Supply Business of the licensee for FY2019-20 to FY2021-22 dated 31.03.2021.

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 pertaining to the FY 2019-20 (as per the Clause 8.1 of UDAY guidelines communicated by Ministry of Power vide letter dated 20.11.2015) from Government of Telangana in June 2022.

Due to the aforementioned reasons, the licensee could not file the power purchase trueups 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, TSSPDCL, hereby submits the Power Purchase true up for FY2019-20calculated separately first after considering the Actual Agriculture sales and then Agricultural sales as approved by the commission along with this filing. A summary of Net Power purchase True up arrived by TSSPDCL, in this Petition is provided in the table below:

Year		Net Power purchase True-up as arrived by TSSPDCL (in Rs. Crs)					
	Considering actual agriculture sales	Considering agriculture					
FY 2019-20	5,453	3,900					

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 CSPGCL, and short-term sources to meet the energy requirement of the State.

1.2 Power Purchase True up for the FY 2019-20 at the State level

1.2.1 Developments in FY 2019-20:

- As mentioned earlier, the licensees could not file the Power Purchase True-ups for FY2019-20 & 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
 dated31.03.2021.
- 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 FY2019-20 & 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. As mentioned earlier, this has resulted in 26% increase in agricultural sales (FY2019-20) over the approved values for the FY 2018-19.
- In light of the actual sales number being available for the FY 2019-20, 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	TSS	PDCL	TSNI	PDCL	То	otal				
Nation Care Landon	Approved	Actuals	Approved	Actuals	Approved	Actuals				
LT Category	20,779.61	23,569.45	10,443.58	12,064.83	31,223.19	35634.28				
Category V(Irrigation & Agriculture)	8,272.34	10,818.39	5,989.69	7,140.27	14,262.02	17,958.66				
HT Category at 11 kV	5,111.63	5,679.38	1,590.86	1,907.88	6,702.48	7,605.26				
HT Category at 33 kV	4,074.23	5,427.97	388.97	568.38	4,463.20	5,996.35				
HT Category at 132 kV	4,135.12	5,232.49	3,196.80	4,071.28	7,331.93	9,303.77				
Total	34,100.59	39909.30	15,620.20	18,612.37	49,720.79	58,521.67				

 The Petitioners submit that based on annual audited accounts and approved distribution losses, power purchase cost (including transmission charges) arrives at Rs.23,054 Cr for TSSPDCL and Rs10,642 Cr. for TSNPDCL, aggregating to Rs. 33,696 Cr for the Telangana for FY 2018-19 as shown in the table below.

	SEE SE	PF	cost Va	ariation /	Analysis	TSDISC	OMS FY	20		N. S. E. S.	
Category		ergy tched	Fixed	l cost	Variab	le cost	Other	Cost	Total	INR Cr. I	mpact
	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Diff.
Genco Thermal	18676	19522	2998	2902	4418	5557	0	6	7416	8464	1049
Genco Hydel	2986	4294	1063	1180	0	0	0	- 1 .	1063	1178	115
CGS	15873	13029	1251	1657	3820	3963	0	205	5072	5825	754
APGPCL and IPPS Gas	58	36	4	2	12	11	0	-	16	13	-3
NCE	5200	6402	38	1	2865	3682	0	-8	2903	3675	772

	STATE OF	PI	cost Va	ariation /	Analysis	TSDISC	OMS FY	20			(B) (C)
Category		ergy	Fixed	cost	Variab	le cost	Other	Cost	Total	INR Cr. I	mpact
	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	Appr.	Act.	- Diff.
IPPS Others	21727	17644	4866	3575	3501	4482	0		8367	8057	-310
Market	1159	4914	0	25	448	1825	0	0	448	1850	1403
Interstate Sale/ D-D/UI sale	-8047	-1068	0	0	-2494	-222	0	0	-2494	-222	-222
Interest on pension bonds	0	0	684	1462	0	-297	0	0	684	1165	480
Transmission charges	0	0	0	. 0	0	0	0	-0	2368	3677	1309
Miscellaneous	0	0	0	0	0	. 0	0	12	0	12	12
Total	57631	64773	10904	10804	12570	19001	0	214	25841	33696	7854

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

The actual energy dispatched by the State is 12.39% higher for the current financial year than theenergy dispatch approved by the Hon'ble Commission for FY18-19. The actual energy dispatched is in line with the higher energy dispatched for the previous year viz., FY18-19 that is majorly due to 24 * 7 power supply to agricultural consumers in the state, which has been explained in detail in the previous section.

Owing to the increase in Sales, the actual cost incurred by the Licensees for the FY 2019-20 has 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 2019-20. As the recorded rainfall is high, a quantum amounting to 4294 MUs was generated from hydel power stations during the year.
 - The actual hydel generation, thus achieved in the FY 2019-20, is 44% higherthan the energy dispatch as approved by the Hon'ble Commission, which stands at 2,986 MUs
- Central Generating Stations (CGS): There was a delay in the commissioning of one unit of NTPC Kudigi in the FY 2019-20. Further, there was lower dispatch

from NTPC stations as compared to approved dispatch. This led to the decrease in energy received from CGS stations by 2844 MUs (18% 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 846 MUs have been procured from TSGENCO Thermal stations during the FY 2019-20, which is 4.5% 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 1,202 MUs from the NCES sources in FY 2019-20, amounting to a total of 6,402 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 2019-20.
- The Licensees, after exhausting all their sources, have resorted to procure power from short term market for the FY 2019-20.
- The Licensees submit that the power was procured to meet the sudden increase in power demand in the state for the FY 2019-20.
- To meet the power demand, the Licensees had purchased a total of 4,914 MUs from the Short-term market for the State of Telangana for the FY 2019-20. An additional 3,755 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 2019-20.
- The Licensee has made continual effort in this regard and has executed few power purchase agreements with long term sources (in TS GENCO and NCES sources) during FY 2019-20 to meet the rising demands in the state. These Plants are expected to commission by FY 21/22
- In this context, the Licensees humbly requests the Hon'ble Commission to allow the Short-term power purchase quantum for the FY 2019-20.
- 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 decrease in the fixed costs from the approved Rs. 10,220 Cr. to an actual Rs. 9,342 Cr. (8.6% decrease from approved value) incurred by the Licensees during the FY 2019-20. This is mostly attributable todecrease in overall fixed costs of TSGENCO (Thermal), IPPs& Others.

- Further, the commissioning of new CGS viz., New Neyveli Thermal Power Station
 and the dispatch from the Vallur Thermal Plant and Tuticorn (as allocated by the
 MoP) has a profound impact on the fixed cost commitments of the licensee that led
 to a variation of Rs.406Cr in CGS.
- Variations in Variable cost (VC):Variable Costs has increased to the tune of Rs. 6,728 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 (TS GENCO, Singareni, CGS, 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 charges, 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 notably by 20% from the approved Rs 2.37/kWh to Rs. 2.84/kWh. With the increase in power procurement from these stations, the overall Variable cost has increased to an extent of Rs. 1,139 Cr for the FY 2019-20.
 - o CGS Stations: The Variable cost has increased significantly by 26% from the approved costs by the Hon'ble Commission (from Rs. 2.41/kWh to Rs. 3.04/kWh). This has led to an increase in the VC of CGS to an extent of Rs. 143 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. 1,402 Cr.
 - Further, the Licensees have paid 194 Cr. to PTC towards short term open access charges.

- As mentioned in the earlier section, the Licensees humbly requests the Hon'ble Commission to allow the Short-term power purchase cost for the FY 2019-20.
- O IPP (Thermal Power Tech): For IPP Thermal Powertech 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 57% from the approved costs by the Hon'ble Commission (from Rs. 1.61/kWh to Rs. 2.54/kWh). This has led to an increase in the VC of IPPs to an extent of Rs. 981 Cr
- 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 2,232 Cr based on actual applicable charges and energy drawn, amounting to an upwards revision of INR 1,309 Cr. in the cost
- The introduction of 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.205 Cr.
- The dispatch from NCEs, being the must-run stations at a higher per unit cost of Rs.5.75/kWh from an approved cost of Rs.5.51/kWh also led to an increase in cost commitments of the licensees.
- The actual quantum and revenue of sale of surplus power in FY 2019-20 was significantly lower than the approved figures leading to increase in true up cost claims.

1.2.3 Power Purchase True-up for TSSPDCL for the FY 2019-20

- The Licensee TSSPDCL for the FY 2019-20 had incurred a miscellaneous cost of towards wheeling, Reactive charges, UI Deviation charges and revenue towards thermal incentive for FY19-20 totaling to Rs.45 Cr.
- Basis the above power purchase cost incurred at the State level for the FY 2019-20,
 TSSPDCL is allocated its share of the Power Purchase cost in the approved ratio of
 70.55 % and further additions for any additional energy required to meet demand.
- The Power purchase true-up cost of the Licensee TSSPDCL for the FY 2019-20 is tabulated below:

	PP cost	variation TSSP	DCL FY 20	otal INR Cr. Impact Actual Difference 5973 742 831 81			
Category	Energy D	ispatched	Tota	I INR Cr. Im	pact		
	Approved	Actual	Approved	Actual	Difference		
Genco Thermal	13176	13773	5232	5973	742		
Genco Hydel	2106	3030	750	831	81		
CGS	11198	9192	3578	4117	539		
APGPCL and IPPS Gas	41	26	11	9	(2)		
NCE	3634	4415	2022	2556	535		
Others	15328	12448	5903	5684	(219)		
Market	59	3467	23	1305	1283		
Interstate sale/D-D Sale/UI	(5995)	(2345)	(2036)	(900)	1136		
Interest on pension bonds		Parket, Patricit	483	822	339		
Transmission charges		CARLING THE	1636	2611	975		
Miscellaneous			0	45	45		
Total	39547	44004	17601	23054	5453		

 The details of station wise deviations of power purchase cost for the FY 2019-20 is enclosed as Annexure-D

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 TSSPDCL calculated in line with the regulatory provisions of Clause 12.5 of APERC Regulation 1 of 2014.

FY	Power Purchase True up as per Regulation(Rs. Crs)
2019-20*	3,900

^{*}considering ARR for FY2019-20 to be same as that approved for FY18-19

300

The detailed station wise deviations of power purchase cost for the FY 2019-20 as per the Regulation is enclosed as **Annexure-G**

Additional Support received from GoTS:

It is to mention that Government of Telangana has already infused the equity of INR 2,000 Cr., for FY2019-20in addition to the subsidy, which is improving the cash flows of Discoms. The details of the equity infused in mentioned in the below table:

Additiona	I Support Provided by	GoTS (Equity Infusion)	(Rs. Cr)
Financial year	TSSPDCL	TSNPDCL	Total
2019-20	1400.00	600.00	2000.00

Loss takeover by GoTS as per UDAY MoU:

As per the Clause 8.1 of UDAY guidelines communicated by Ministry of Power vide letter dated 20.11.2015, States shall take over the future losses of DISCOMs in a graded manner and shall fund the loss. The previous year's actual losses will be used for calculation for each year instead of using current year's estimated losses. In line with the above, the GoTS vide G.O. Ms. No. 15 dated 18.06.2022 has sanctioned and later released Rs. 2470.12 Crore towards takeover of 50% of losses for FY 2018-19.

Thus TS Discoms requests the Hon'ble Commission to consider the Net Power Purchase True up after deducting the equity infusion and 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,

TSSPDCL PP True ups

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.

It is also pertinent to mention that many other state ERCs viz., Gujarat, Delhi, Maharashtra and Uttar Pradesh had issued latest tariff regulations for generation, distribution and retail supply business in line with the tariff policy and latest developments by making suitable amendments.

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

TSSPDCL PP True ups

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/True down

 The Licensee has already elaborated the basis on which it claims the Power purchase true ups in the relevant selections of this Petition. 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 ARF				
2016-17	1,588	19,144	8%				
2017-18	2,991	18,863	16%				
2018-19	6,431	20,162	32%				
2019-20*	5,453	20,162	27%				

*considering ARR for FY2019-20 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 32% of the total approved ARR. This clearly indicates that that the Licensee had been undertaking the business with a deficit of around 32%, 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 have 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 TSSPDCL calculated in line with the regulatory provisions of Clause 12.5 of APERC Regulation 1 of 2014and also considering the additional support from Government of Telangana.

FY	Power Purchase True up/True down as per Regulation(Rs. Crs)
2019-20*	3,900.32
Additional Support provided by GoTS	1,400.00
Loss Funding	2470.12
Net True-up claim	30.20
tet i i de-up ciaii i	30.20

^{*}considering ARR for FY2019-20 to be same as that approved for FY18-19

3 Prayer

The Licensee requests the Hon'ble Regulatory Commission:

- To admit the Power Purchase True Up Petition filed by the Licensee, in accordance with Clause 12.5 of APERC Regulation 1 of 2014
- To approve the Power Purchase True Up cost as follows for the FY 2019-20

FY	Power Purchase True up/True down as per Regulation (Rs. Crs)
2019-20*	3,900.32
Additional Support provided by GoTS	1,400.00
Loss funding	2470.12
Net True-up claim	30.20

- 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 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".

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	Kakatiya Thermal Power Plant Stage I	1837.88394	2053.504323		618.7850193	0.90	986	1.782517855	3.013312474		4.800209767		468.6604		13.0693			0 0	-
	Kakatiya Thermal Power Plant Stage II	2985.416775	2992.965872	545.9374889	867.5433354	1.31	1415	1.824068541	2.898607511	0.004379437	4.727055489	534.5574	704.79436	0 1	239.352	11 16		3 0	
	BTPS (Manuguru New Project) KTPS VII	1985 48865	2391 803738	291.9283731	609.5818931	1.05	903	1 220536487	2.548628399	0.004379437	3 773544324	0	510.76789	0	730.256		9	3 0	-
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34	Nagarjunasagar Tail Pond Dam Power House	0	0	0	0	0.00	D	0	0	0	0	0	0	0	0		0	o o	
35	Priyadarshini Jurala Hydro Electric Project-Telangana Share	97.26023	114.1695722	41.3811025	0	-0.06	41	3.624529873	0	-0.004884966	3.619644907	41 38463	0	0 4	1.38463		0	0 0	
36	Lower Jurala Hydro Electric Project	79.559235	217.775426		0	-0.27	200		0	-0.012419932	9.202877392	200,6865	0	0 2	00.6865	0		0 0	
37	POCHAMPAD Stage-II	0	0	0	0	0.00	0	D		0	0	0	a	0	0	0	0	0 0	
38	PUL)CHINTAL(New Project)	6.850405	140.0274634		-0.330749398	-0.08	56	4.016139273	-0.023620324				0		6.99735	-1	0	0 0	1
	Mini Hydel & Others (Peddapalli, Palair)	14.385145	0,670853717	4.804455	0	-0.01	5	71.6159613	0	-0.096520526	71.51944078	4.804455	0	0 4	804455	0	0	0 0	
	Ramagiri Wind Mills (AP)	0	0		0	0.00	0	0	. 0	0	0	0	0	0	0	0	0	0 0	1
41	Pochampad Stage-IV	0	1.381876607	1.639303328	0	0.00	2	11.86287776	0	0	11.86287776		0	0	0	2	D	0 0	-
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42	NTPC (SR) Stage III	442.54604	378.0319375	30,46960104		4.03	134							0 1	34.5106		-3	0 0	0
		2168.968035	1810.719623	145	461	19	625					155	497	0	652		36	0 0)
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	Total NTPC(SR)	2168,968035																	
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127	TPC - Simhadri														_					
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49 N	TPC Simbadri Stage I	2415.723715	1845.235654	274.0087762	635.6987583	28.29	938	1,484952752	3,4450817	0.153309057					804.6439	22	83	0	0	2.8
	TPC Simhadri Stage II	1028.315635	849 3226212	165.3173581	284.3027369	13.98	454	1 945451262	3.347405684	0.16462314	5.458490085	170,5828	236.46244	O	407.0453	-5	48	0	0	14
	etal NTPC-Simhadri	3444.03935	2694.558275	439	920	42	1402					422	789	0	1212	17	131	0	0	42
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N	LC TS-II																			
1 N	LC TS II- Stage I	273,43769	257.9177645		70.05470932	2.83	92	0.74321226	2.716164568	0.109623121					94.91797	-1	-5	0	0	3
ZN	LC TS II- Stage II	482.780705	441.9475813	36.37344432	120.2031757	4.91	161	0.823026211	2.719851422	0.111168119	3,654045752	37.42678	131.80151	0	169 2283	-1	-12	0	0	5
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1															-					
	PC																			
	PC-MAPS	108 01205	52.86877099	0	2.330777211	0.07	2	0	0.440860865	0.01370943	0.454570295	D	23.500205	a	28.50021	0	-21	D.	0	0
54 N	PC-Kaiga unit Iⅈ	377.28729	495.4067943	0	128.6746365	3.09	132	0	2.597353084	0.06239457	2.659747654	D	117,71268	0	117.7127	0	11	0	0	3
55 N	PC-Kaiga unit III&IV	400.194875	269.9957461	0	70.12742838	3.09	7.1	D	2.597353084				124.85939		124.8594	0	-55	0	n	- 1
	otal NPC	885.494215	B18.2713114	0	201	- 6	207					D	266	0	266	n	-65	0	0	- 6
														-				-	-	
																		_	-	
C	SS - New															_	_		_	
56 V	allur Thermal Power Plant	0	D	98.18033238		7.25	105	10								98	-		-	-
57 T	aticaria	0	529.1531459		154.7867322	8,32	276	2 120020500	2015120242	0.157053454	E TANAMETOR	- 0		- 0		17.00	- 0	0	- 0	
	PC- Kudankulam	241.87362	126.0510754		53.12431382	1.65	55	2.128030599	2.925178342 4.214506987	0.157267454			00 07770	- 0	0.03337	113	155	0	0	- 8
19		291/0/202	12030210754		22.12431382		23		4.214300987	0.131058332	4:343365319	. 0	99.073365	0	99.07337	0	-46	0	0	2
	adigi	1336.717905	398.7368379	235.7096526	147.2746158	0.00	0	E 017 1700	3 6975777	0.000	0	0	0	0	0	0	0	0	0	D
8/1	CE - Bundled Power (Coal) (NTPC 200 MW)	252,73832		233 /189326		11.91	395	5.911408984		0.298684326		172.6359			437.9109	63	-118	0	0	12
13 1	CE - Bundled power (Cost) (NTPC 200 MW) CE -Bundled power NVVNt (Cost) JNN5M Ph1		148.6004598	0	71.28764828	2,22	74	0	4.797269699	0.149180478		0	84 427185		84.42719	0	-13	0	0	2
		1010.946225	972.1898557	0	394.6565859	36.19	431	0	4.059460028	0.372269321		0	337.70874	D	337.7087	0	57	0	0	36
ap N	eyveli new unit - 1	0	23.9771103		5.505073787	0.30	10	1.711445825	2.295970497	0.124618474	4.132035797	0	0	0	0	4	6	0	a	10
se N	TPC Aravali Power	0		2.657265386	0	0.12	3	0	۵	0	0	0	.0	0	0	3	0	0	0	0
-							ō	0			D				0					
T	DTALCGS	11198.38034	9192	1169	2796	152	4117					883	2695	0	3578	286	101	0	0	152
-																				
	PGPCL														er ar					
	PGPCL I - Allocated capacity	9.799395	6,946893581	D.526491254	2 236639063	0.00	3	0.75788012	3.219524768	0	3.977504888	0.825435	1.4601099	0	2.285545	0	1	0	0	0
62 A	PGPCL I - Limitilised capacity	0	0	a		0.00	D	0	0	O	0	Ó	0	0	0	0	a	0	0	
63 A	PGPCL II - Allocated capacity	31.23954	18 58294075	0.973354819	5.730650638	0.00	7	0.523789443	3.083823338	0	3.607612781	1.6932	7.3412919	0	9.034492	-1	-2	0	0	0
64 A	PGPCL II - Unutilised capacity	0	0	. 0	D	0.00	0	0	0	D	0	D	0	0	p	0	a	0	0	0
T	otal APGPCL	41.038935	25.52983433	1	8	O.	9					3	8.80	0	11	-1	-1	0	0	0
		A-70-00-00-00-00-00-00-00-00-00-00-00-00-	The second second second second				-					1				-	-	-	-	
11	Ps-Gas															-		-	-	
65 G							0	0	n	0	0				0	0	0	n	0	n
73 K	onaseemä						0	0	0	n	0			-	0	0	0	0	0	- 0
	OTAL IPPS			ő	0	D	n				-	- 0	- 0	0	0	0	0	0	0	- 0
				- "	-										-	-			-	- 0
															-		_	_	-	
N	CI						_										-	_	-	
	CE - Bio-Mass	46.55	38	n	24	0.00	24	0	6.281301202		6.281301202	7.08	20.53		27.61	- 2	-	0	0	-
	CE - Bagasse	8.28	0	0	-4	0.00	4		4.128425105		4.128425105	0.96	2.33		3.29	-7	2	0	0	- 0
	CE - Municipal Waste to Energy	79.45			- 2	0.00			4.14044.4103	u u	4.148443103	2.96	56.49		56.49	-1	-56	0	0	
77 N	ICE - Industrial Waste based power project	25.22	14	. 0		0.00	6	0	A 100072777	- 0	A 10007377	0		-		0		0	9	
78 1	CE - Wind Power	184.35	185			0.00			4.188573732 4.441115915	0	4.188573732 4.441115915	4.14			15.26	-4	-5	0	0	D
	CE - Mini Hydel	177	185	u u	82		82		4.441115915	0		0	86.65	_	86.65	0	-4	0	0	
12 3	s.E - With Hydei		3	1	- Q	0.00	1	2.70		.0	2.696917268	0.49	0		0.49	0	0	0	0	0
	or of the transmit	0.00	0	0	. 0	0.00		0	0		0		D		.0	0	0	0	0	0
81 0	CE - Solar Projects (SPDCL)	3288.59	3565		2135	0.00	2135	0	5.988424632	G	5.988424632	0	1831.74		1831.74	0	303	0	0	0
	CE - Bundled Power NVVNL (solar) JNNSM Ph 1	0.00	41		44	80.8-	36	. 0	10 76077177	-1.988391686		. 0	0		0	0	44	0	0	-8
99 1	CE - Bundled Power (Solar) (NTPC 400 MW)	0.00	560		269	0.00	269	0	4.80774966	0	4.80774966	0	0		0	0	269	0	0	0
	ICE- Solar Projects (NPDCL)	0.00	0	0	. 0	0.00	0	0	0	g.		0	0		0	0	0	0	0	0
- 3	OTAL NCE	3634.21	4415.259361	1	2564	-8	2556		74			13	2009	0	2022	-12	555	G	0	-8
-																				
	PPs-Others																			
	linduja						D	0	0	· O	0				0	0	0	0	0	0
92 5	ingareni	5941.318865	6068 462223		1705,439827	0.00	2780	1.770332335	2.810332773	0	4.580665108	1068 776	1054.2851		2123.061	6	651	0	0	D
	hermal Power Tech	1415.45876	2071 419369		574.9174466	0.00	975	1.932760841	2.775475866	O.	4.708236707				493.723	153	329	0	0	0
	SPGCL	4977.365995	1583.903852		190.0684622	0.00	618	2.7	1.2	a			597.28392		1917.782	-893	-407	0	0	0
	hermal Power Tech Unit II	2994.29721	2724.126261		691.871201	0.00	1312	2.274678337	2.539791238	O	4.814469576				1368.529	-177	120	0	0	n
96		0	The same of the sa			***************************************	D	0	0	0	0				a				-	
							D	0	0	0					-					
							0	0	0	0	0									
i	OTAL OTHERS	15328.44083	12447.91171	2522	3162	p	5684					3433	2470	n	5903	-911	692	0	0	0
					-,455				71			2.44	2.70	-				-	-	- 0
	MARKET													-		-	_	1	-	
	Hateral Sales(PTC etc.)	58.73	3466.535185	17.74668276	1287 638393	n	1305	0.051194296	3.714482398		3.765676694	0.00	22.69		22.69	18	1265	- 0	- 0	-
98	hajjar	24.73		21.14000210	2207.000393		1303	0.031134290	2.714402338	D C	3//630/6694			-	22.09	18	1293	u u	u	D
-	Aiscellaneous:	0	- 0	0	0	44.50	0	0		0	- 0	0.00	0.00		0	a	0	0	0	0
	nterest on Pension Bonds			1031 417	700 500 175	44.50	45	. 0	D			0.00	0.00		0	0	0	0	0	45
		0		1031 417339		d	822		0		. 0	482.77	0.00		482.7737	549	-210	0	0	0
	ale of surplus power	-4023.30	0.00			0	0		0	0	0	0.00	-1247 22		-1247.22	0	1247	0	0	
	O-D Sale/Purchase & UI	-1972.49	-2345.21	0.00	-900,07		-900	0			3.837931996	0.00	-789.00		-789	0	-111	0	0	D
	ransmission Cost (Rs. Cr.)					962	962	0	0		0			961.5271		0	0	0	0	D
- 1	LDC Cost (Rs. Cr.)					24	24		0	0				23.84229	23,84229	0	0	0	0	D
	GCIL & ULDC OR POSOCO charges (Rs. Cr.)					1626	1626	0	0	0	0			650.98		0	0	0	a	975
-1							0	D		0	0				0	0	0	0	0	0
																				-
	TOTAL MARKET	-5937	1121	1049	178	2656	3883	9.356436008	1.586295933	23.68358565	34,62631759	483	2014	1636	106	566	2191	D.	0	10

Annexure G(II) Annual PP Cost FY 2019-20 FY 2018-19 Approved FY 2019-20 Variance GENCO Thermal 1 VTPS I 0.00 2 VTPS II 0.00 3 VTPS III 0.00 4 VTPS IV 0.00 5 RTPP I 0.00 6 RTPP Stage-II 0.00 7 RTPP Stage-III 0.00 E KTPS A 790.279935 432.5091001 70.93221344 142.8578884 0.27 1.640016671 3.303003066 214 0.006207565 4.949227302 127.8342 171.768085 0 299.6023 -29 -86 9 KTPS B 790.279935 288.3394001 47.28814229 95 23859224 0.18 143 1.640016671 3.303003066 0.006207565 4 949227302 127,8342 171,768085 299.6023 -157 -81 -77 10 KTPS C 790.279935 709.6091898 116.3770901 234.3841329 0.18 351 1.640016671 3.303003066 0.002522354 4.94554209 127.8342 171.768085 0 299.6023 63 51 11 KTPS D 1970.440335 2265.632752 202.4576842 626.1987825 0.99 830 0.893603272 2.76390241 0.004379437 3.66188512 201.9635 398.967305 0 600.9308 227 229 12 KTPS Stage VI 1752.045755 2393.070816 367.7023917 651.8663322 1.05 1021 1.536529505 2.723974268 0.004379437 4.26488321 362.6552 450.71573 813.371 201 207 13 RTS B 272.63342 245.4111882 38.442695 73.84344106 0.11 112 1.566460571 3.008967994 0.004379437 4.579808002 38.4427 67.55868 106.0014 14 NTS 0.00 15 Kakatiya Thermal Power Plant Stage I 1837.88394 2053.504323 366.0408122 618.7850193 0.90 986 1.782517855 3.013312474 0.004379437 4.800209767 374.4089 468.660405 843.0693 150 143 16 Kakatiya Thermal Power Plant Stage II 2986,416775 2992.965872 545.9374889 867 5433354 1.31 1415 1.824068541 2.89860751 0.004379437 4.727055489 534.5574 704.794359 1239.352 163 175 17 BTPS (Manuguru New Project) 0.00 18 KTPS VII 1985.48865 2391.803738 291.9283731 609.5818931 1.05 1.220536487 2.548628399 903 0.004379437 3.773544324 219.4881 510.76789 730.256 172 72 99 TOTAL THERMAL 13175 74868 13773 2047 3920 5973 2115 3117 5232 -68 804 742 Hydel 19 MACHKUND PH Telangana Share 209.893305 0.00 7.668785 7,668785 20 TUNGBHADRA PH Telangana Share 60.524845 0.00 5.255975 0 5.255975 25 NSPH 567 158505 1121.04426 190.13225 -0.26 190 1.696028041 -0.002285824 1.693742217 99.52489 99.52489 26 NSRCPH 0.00 27 NSLCPH 35.28911 0.00 28 POCHAMPAD PH 43.07783 3.308457233 3.927091673 -0.01 11.86985775 -0.022675577 11.84718217 12.84238 12.84238 29 NIZAMSAGAR PH 16.55103 0.83990191 0.00 4.934199 0 4.934199 30 PABM 0.00 31 MINI HYDRO&OTHERS (Chettipeta) 8.456014822 6.854324053 0.00 8.105856242 8.105856242 32 SINGUR 18.4417 20.24519646 16.42012095 -0.03 16 8.110625638 -0.01549413 8.095131509 5.497867 0 5 497867 33 SSLM LCPH 957.3917 1401.843882 -0.42 310 2.214671219 -0.002984827 2.211686393 310.4623 310.4623 34 Nagarjunasagar Tail Pond Dam Power House 0.00 Priyadarshini Jurala Hydro Electric Project- Telangana 35 Share 97.2602 114.1695722 41.3811025 -0.06 3.624529873 -0.004884966 3.619644907 41.38463 41 38463 36 Lower Jurala Hydro Electric Project 79.559235 217.775426 200.68653 -0.27 200 9.215297324 -0.012419932 9.202877392 200.6865 200.6865 37 POCHAMPAD Stage-II 0.00 38 PULICHINTAL(New Project) 6.850405 140.0274634 56.2369795 -0.330749398 -0.08 56 4.016139273 -0.023620324 -0.005485943 3.987033007 56.99735 0 56.99735 39 Mini Hydel & Others (Peddapalli, Palair) 14.385145 0.670863717 4.804455 -0.01 71.6159613 -0.096520526 71.51944078 4.804455 4.804455 40 Ramagiri Wind Mills (AP) 0.00 41 Pochampad Stage-IV 1.381876607 1.639303328 0.00 11.86287776 11.86287776 TOTAL HYDRO 2106 3831 3029.762914 833 831 750 750 81 TOTAL GENCO 15282.13181 16802.60929 2880 3920 6805 2865 3117 5982 27 803 823 Central Generating Stations NTPC NTPC (SR) 42 NTPC (SR) 1726,421995 1432.687685 114.4282849 361.7866333 14.81 0.798696646 491 2.575230286 0.103364005 3.427290937 121.8116 395.17877 516.9904 -33 43 NTPC (SR) Stage III 442.54604 378.0319375 30.46960104 99.03538933 4.03 134 0.806006002 2.619762499 0.106530967 3.532299468 32.74931 101.76132 134.5106 Total NTPC(SR) 2168.968035 1810.719623 145 625 155 652 497 -36 -27 NTPC (ER) 44 Farakka 0.001649179 0.00 45 Kahalgaon 0.00083121 0.00 46 Talcher - Stage 1 285.5397852 22.41060046 58.02851048 0.00 80 0.784850365 2.032239061 2.817089425 58 47 Talcher Stage 2 1101.38427 684.0350372 53.68651485 139.0122721 8.49 0.784850365 201 2.032239061 0.12417137 2.941260796 75.74954 149.347295 225.0968 -10 -24 48 CGS: Others 0.00 Total NTPC(ER) 1101.38427 969.5748224 197 282 76 149 225 48 NTPC - Simhadri 49 NTPC Simhadri Stage 1 2415.723715 1503.420901 274.0087762 517.9407834 28.29 1.822568623 3.4450817 820 0.188165096 5.455815419 251.6871 552.95679 804 6439 -35 50 NTPC Simhadri Stage II 1028 31563 849 3226212 165 3173581 284 3027369 13.98 464 1.946461262 3.347405684 0.16462314 5.458490085 170.5828 236.462435 0 407.0453 48 57 Total NTPC-Simhadri 3444.0393 2352.743522 1284 422 789 1212 13 Total NTPC 6714.391655 5133.037967 660 1460 2190 653 1436 2088 24 102

NLC TS-II																	
51 NLC TS II- Stage I	273.43769	257.9177645	19.16876446	70.05470932	2.83	92	0.74321226	2.716164568	0.100533131	7.5555555	20.2000						
52 NLC TS II- Stage II	482.780705	441.9475813	36.37344432	120.2031757	4.91	161	0.823026211	2.716164568	0.109623121	3,568999949				94.91797	-1	-5	-
Total NLC	756.218395	699.8653458	56	190		254	0.823026211	2.719851422	0.111168119	3,654045752	37.42678			169.2283	-1	-12	
	730-210393	1093,0093436	301	190		254					58	206	0	264	-2	-16	-
NPC																_	
53 NPC-MAPS	108.01205	52.86877099	0	2.330777211	0.07	2	0	D.440860865	0.01370943	0.454570295	0	23.500205	0	23.50021	0	-21	
54 NPC-Kaiga unit Iⅈ	377.28729	495.4067943	0	128.6746365	3.09	132	0	2.597353084	0.06239457	2,659747654		117.712675		117,7127	0	11	
55 NPC-Kaiga unit III&IV	400.194875	269,9957461	0	70.12742838	3.09	73	0	2.597353084	0.114485855	2.711838939		124.85939		124.8594	0	-55	
Total NPC	885.494215	818.2713114	0	201	6	207		2.337333004	0.114403033	2.7 11030333	0	266	-	266	0	-65	
									7			2.00	1	200		-0.3	-
				16	M se												
CGS - New																	
56 Vallur Thermal Power Plant	0	0	98.18033238	0	7.25	105	0	0	0	0	0) 0	0	0	98	0	
57 Tuticorin	0	529.1531459	112.6054086	154.7867322	8.32	276	2.128030599	2.925178342	0.157267454	5.210476395	0	0 0	0	0	113	155	
58 NPC- Kudankulam	241.87362	126.0510754	0	53.12431382	1.65	55	0	4.214506987	0.131058332	4.345565319		99.073365	0	99.07337	0	-46	
59	0	0	0	0	0.00	0	0	0	0	0	0) 0	0	0	0	0	
60 Kudigi	1336.717905	- 0	235.7096526	0	11.91	248	0	0	0	0	172 6359	265,275055	0	437.9109	63	-265	
80 NCE - Bundled Power (Coal) (NTPC 200 MW)	252.73832	148.6004598	0	71.28764828	2.22	74	0	4.797269699	0.149180478	4.946450177		84.427185	0	84.42719	- 63	-13	
83 NCE -Bundled power NVVNL (Coal) JNNSM Ph1	1010.946225	972.1898557	0	394.6565859	36.19	431	0	4.059460028	0.372269321	4.431729349	0	_	0	337.7087	.0		
85 Neyveli new unit - 1	0	23.9771103	4.103554931	5.505073787	0.30	10	1.711446825	2.295970497	0.124618474		_			337,7087	0	57	
86 NTPC Aravali Power	0	23.3771103	2.657265386	J.203013761	0.12	10	1.711440825	2.293970497	U.124618474	4.132035797	0		0	.0	- 4	6	-
	u u	0	2.037203300		0.12	3	0	0	0	0	0	1 0	.0	0	- 3	0	-
TOTAL CGS	11198.38034	8451	1169	2531	152	3852	- 0	0	0		883	7505	-	0	200		-
	22230034	0431	1103	2331	132	3832	-				883	2695	0	3578	286	-164	-
APGPCL							7 =									-	-
61 APGPCL I - Allocated capacity	9.799395	6.946893581	0.526491254	2.236639063	0.00	3	0.75788012	3.219624768	0	3.977504888	0.935435	1 46010000		2.285545	n	-	H
62 APGPCL I - Unutilised capacity	0	0	0	0	0.00	0	0.73789012	3.213024700		3.377304080	0.023433	1.46010386		2.283343	.0	1	H
63 APGPCI. II - Allocated capacity	31,23954	18.58294075	0.973354819	5,730650638	0.00	7	0.523789443	3.003033330	0	2 507512701		1	0	0	- 0	0	H
64 APGPCL II - Unutilised capacity	0	10.002,9407.0	0.313334013	3.730630836	0.00	7	0.523789443	3.083823338	0	3,607612781	1.6932	7.3412919	0	9.034492	-1	-2	⊢
Total APGPCL	41.038935	25.52983433	1		00,0	0	0	0			0	2 0	0	0	0	0	L
70/30/10/00	41.030933	23.32363433	- 1		0	9					3	8.80	0	11	-1	-1	H
IPPs-Gas												-	-	-	-		H
TOTAL IPPS			0	0	0	0					0	0		0	0	- 0	┝
NCE					-						-	1		- 0	U	- 0	H
74 NCE - Bio-Mass	46.55	38	0	24	0.00	. 24	0	6.281301202	0	6.281301202	7.08	20.53	,	27.61	- 7		⊢
75 NCE - Bagasse	8.28	9	0	4	0.00	4	0	4.128425105	0	4.128425105	0.96				-/-	- 3	\vdash
76 NCE - Municipal Waste to Energy	79.45	0	0		0.00	0	0	4:120423103	0	4.128425105	0.96			3.29 56.49	-1	2	⊢
77 NCE - Industrial Waste based power project	25.22	14	0	6	0.00	6	0	4.188573732	0	4.100573773	4.14				u	-56	
78 NCE - Wind Power	184.35	185	0	82		82	0	4.441115915	0	4.188573732	4.14			15.26	-4	-5	
79 NCE - Mini Hydel	1.77	3	1	0		82	2.70	4,441115915		4.441115915				86.65	- 0	-4	-
	0.00	0		0	0.00	1	2.70	- 0	0	2.696917268	0.49			0.49	0	0	-
81 NCE - Solar Projects (SPDCL)	3288.59		-01			0	0	0			- 0	-	-	0	0	0	-
	-	3565	- 0	2135		2135	0	5.988424632	0	5.988424632	-0		-	1831.74	0	303	
82 NCE - Bundled Power NVVNL (solar) INNSM Ph 1	0.00	41	0	44		36	0	10.76077177	-1.988391686		0			0	0	44	
99 NCE - Bundled Power (Solar) (NTPC 400 MW)	0.00	560	. 0	269		269	0	4.80774966	0	4.80774966	0	0)	0	0	269	
84 NCE- Solar Projects (NPDCL)	0.00	0	- 0	. 0	0.00	. 0	0	0	0	0	0) 0)	0	0	0	
TOTAL NCE	3634.21	4415.259361	1	2564	-8	2556					13	2009	0	2022	-12	555	
Inn. Other																	
IPPS-Others 92 Singareni	Eggs armare	Epon Action	1071 710	1705 1705	200												Ĺ
	5941.318865	6068 462223	1074.31949	1705.439827	0.00	2780	1.770332335	2.810332773		4.580665108		1054.28509	1	2123.061	6	651	
93 Thermal Power Tech	1415.45876	2071.419369	400.3558241	574.9174466	0.00	975	1.932760841	2.775475866	- 0	4.708236707				493.723	153	329	
94 CSPGCL	4977.365995	1583 903852	427.65404	190.0684622	0.00	618	2.7	1.2	0	3.9		597.283919		1917.782	-893	-407	
95 Thermal Power Tech Unit II	2994.29721	2724.126261	619.6510995	691.871201	0.00	1312	2.274678337	2.539791238	0	4.814469576	796.319	572.209885	i	1368.529	-177	120	Ĺ
96 0						0	0	0	0	0				0			
-						0	0	0		0							Г
						0	0	0	0	0							
TOTAL OTHERS		12447.91171	2522	3162	0	5684					3433	2470	0	5903	-911	692	
	15328.44083	12777.21111							6		1		1				
AAABVET	15328.44083	12-31:31111															
MARKET		12137.31.11															
97 Bi-lateral Sales(PTC etc.)	15328.44083	0	17.74668276	0	0	18	0	0	0		0.00	22.69	,	22.69	18	-23	F
97 Bi-lateral Sales(PTC etc.) 98 Jhajjar		0 0	17.74668276 O	0	0	.0	0	0	0	0	-			22.69	18	-23 0	
97 Bi-lateral Sales(PTC etc.) 98 Ihajjar Miscellaneous		0 0	0	0 0	0		-			0 0	0.00	0.00)	22,69			
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds	58.73 0 0	0 0 0 0	17.74668276 0 0 1031.417339		0 44.50	.0	0	0	0		0.00	0.00		22.69 0 0 482.7737	0	0	
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds Sale of surplus power		0 0	0	0	0 44.50 0	0 45 822	0	0	0	0	0.00 0.00 482.77	0.00	0	0 0 482.7737	0 0 549	0 -210	
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds	58.73 0 0	0 0 0	0 0 1031.417339	-209.6881761	0 44.50 0	0 45 822	0	0 0 0	0 0	0	0.00 0.00 482.77 0.00	0.00 0.00 0.00 0.00 -1247.22		0 0 482.7737 -1247.22	0	0 -210 1247	
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds Sale of surplus power	58.73 0 0 0 -4023.30	0 0 0 0	0 0 1031.417339 0.00	-209.6881761 0.00	0 44.50 0	0 45 822 0 -900	0 0	0 0 0	0 0 0	0	0.00 0.00 482.77 0.00	0.00 0.00 0.00 0.00 -1247.22		0 0 482.7737 -1247.22 -789	0 0 549	0 -210	
97 Bi-lateral Sales(PTC etc.) 98 Ihajjar Miscellaneous 100 Interest on Pension Bonds Sale of surplus power D-D Sale/Purchase & UI	58.73 0 0 0 -4023.30	0 0 0 0	0 0 1031.417339 0.00	-209.6881761 0.00	0 44.50 0 0	0 45 822 0 900 962	0 0 0 0	0 0	0 0 0 0 0	0 0 0 3.837931996	0.00 0.00 482.77 0.00 0.00	0.00 0.00 0.00 0.00 -1247.22	961.5271	0 482.7737 -1247.22 -789 961.5271	0 549 0 0 0	0 -210 1247 -111	
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds Sale of surplus power 0-D Sale/Purchase & UI Transmission Cost (Rs. Cc.)	58.73 0 0 0 -4023.30	0 0 0 0	0 0 1031.417339 0.00	-209.6881761 0.00	0 44.50 0 0 962 24	0 45 822 0 -900 962 24	0 0 0	0 0 0	0 0 0	0	0.00 0.00 482.77 0.00 0.00	0.00 0.00 0.00 0.00 -1247.22	961.5271 23.84229	0 482.7737 -1247.22 -789 961.5271 23.84229	0 549 0 0 0	0 -210 1247 -111 0	
97 Bi-lateral Sales(PTC etc.) 98 Ihajiar Miscellaneous 100 Interest on Pension Bonds Sale of surplus power 0-0-0 Sale/Purchase & UI Transmission Cost (Rs. Cr.) SLDC Cost (Rs. Cr.)	58.73 0 0 0 -4023.30	0 0 0 0	0 0 1031.417339 0.00 0.00	-209,6881761 -0.00 -900.07	962 24 1626	0 45 822 0 -900 962 24 1626	0 0 0 0 0 0 0	0 0 0 0	0 0 0 0 0 0	0 0 0 3.837931996 0 0	0.00 0.00 482.77 0.00 0.00	0 0.00 0 0.00 7 0.00 0 -1247.22 0 -789.00	961.5271 23.84229 650.98	0 482.7737 -1247.22 -789 961.5271 23.84229 650.98	0 549 0 0 0	0 -210 1247 -111 0 0	
97 Bi-lateral Sales(PTC etc.) 98 Inajar Miscellaneous Miscellaneous 100 Interest on Pensian Bonds Sale of surplus power D-D Sale/Purchase & UI Transmission Cost (Rs. Cr.) SLDC Cost (Rs. Cr.) PGCU. & ULDC OR POSOCO charges (Rs. Cr.)	58.73 0 0 0 0 -4023.30 -1972.49	0 0 0 0 0 0 0,00 -2345,21	0 0 1031.417339 0.00	-209.6881761 0.00	962 24 1626	0 45 822 0 -900 962 24 1626	0 0 0	0 0	0 0 0 0 0	0 0 0 3.837931996 0 0	0.00 0.00 482.77 0.00 0.00	0 0.00 0 0.00 7 0.00 0 -1247.22 0 -789.00	961.5271 23.84229 650.98	0 482.7737 -1247.22 -789 961.5271 23.84229 650.98	0 549 0 0 0	0 -210 1247 -111 0 0	

39547.14191 57631.27 0