

Sl. No.	Summary Objection	Response
	<p>M.Venugopala Rao, Senior Journalist & Convener, Centre for Power Studies, H.No.7-1-408 to 413, F 203, Sri Sai Darsan Residency, Balkampet Road, Ameerpet, Hyderabad- 500 016</p>	
1	<p>Regarding the issue of non-submission of true up claims by TS Transco for the second control period raised by us earlier, the Hon'ble Commission had expressed the view that "the TS Transco has mentioned that the assets and liabilities of erstwhile AP Transco have not yet been bifurcated between AP Transco and TS Transco. TS Transco has hence stated that it will file the ARR and tariff for the balance of the third control period during the year 2016-17 along with True up for the second control period vide its letter No. CE/Plg. Comml. & Co-ordn/ DE/RAC/F.ARR (FY 16-17)/D.No.68/15 dated 24th November, 2015" (page 66 of tariff order for 2016-17). However, TS Transco has not filed true up claims for the second control period along with the ARR and tariff proposals for the balance period of the third control period. TS Transco has maintained in the subject proposals that the opening balance of assets and liabilities pertaining to it as on the 2nd June 2014 are yet to be finalized/notified, following its formation. It has further explained that pending segregation of assets and liabilities of composite AP Transco between the two entities, i.e., AP Transco and TS Transco, the latter has compiled its provisional accounts for FY 2014-15 and for 2015-16 based on the provisional opening balance of assets and liabilities as per the draft demerger plan communicated by AP Transco. The failure of TS Transco in submitting true up claims for the second control period and the Hon'ble Commission allowing it to continue to do so are questionable for the following reasons, among others:</p>	<p>The term of 2nd control period of FY 2009-10 to FY 2013-14 pertains to composite APTRANSCO (prior to formation of TSTRANSCO). The information with regard to Tariff Order and Actuals for the said period are available for composite APTRANSCO only. Further, Hon'ble APERC has already issued Order Dt.07th November, 2015 consequent to bifurcation of Andhra Pradesh State/ formation of TSTRANSCO for True Up of Transmission Business for the Second Control Period (FY 2009-10 to FY 2013-14) based on the true up application made by APTRANSCO vide O.P.No.13 of 2015. While issuing True Up Order, the Hon'ble Commission computed the total true up amount as Rs.588.47 crores (benefit to customer) for Composite APTRANSCO and indicated Rs.271.34 crores towards share of APTRANSCO @46.11%. Since, the 2nd Control Period belongs to composite APTRANSCO and in the absence of segregated balances for Tariff Order for 2nd MYT Control Period as well as actuals for FY 2009-10 to 2013-14 pertaining to APTRANSCO and TSTRANSCO seperately, TSTRANSCO has requested Hon'ble TSERC to communicate their opinion on the True Up order issued by the Hon'ble APERC whether to adopt the balance amount of Rs. 317.13 Crores towards the share of TSTRANSCO. The decision of Hon'ble Commission is awaited.</p>
	<p>a) TS Transco should have filed true up claims for the second control period based on the same draft demerger plan.</p>	
	<p>b) Since the second control period pertains to pre-bifurcation of the undivided AP and undivided AP Transco and APERC had already given its order on true up claims of AP Transco for the second control period, after holding public hearing, bifurcation of assets and liabilities between TS Transco and AP Transco would not make any material change for true up claims for the second control period, i.e., period of pre-bifurcation of AP and AP Transco.</p>	
	<p>c) The Hon'ble Commission had already adopted the regulations and orders of APERC in the erstwhile undivided AP.</p>	
	<p>d) As submitted in our submissions dated 14.3.2016 and 11.4.2016 on the ARR proposals of the TS Discoms for the year 2016-17, the Ts Discoms are entitled to get a refund of Rs.317.13 crore from TS Transco from the revenue surplus accrued during the second control period, as per APERC's order in O.P.No.13 of 2015 dated 7.11.2015, relating to true up claims of AP Transco for the second control period, i.e., from 2009-10 to 2013-14.</p>	

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	e) There is no justification in postponing submission of true up claims for the second control period by TS Transco under any pretext even after completion of the first three years of the third control period and continuing to retain the huge sum of Rs.317.13 crore for itself unduly at the cost of TS Discoms and their consumers of power.	
	f) It is open to the Hon'ble Commission to adopt the order given by APERC on the true up claims of AP Transco for the second control period and direct TS Transco to refund Rs.317.13 crore to TS Discoms.	
	g) It is equally open to TS Transco to seek review of the said order of APERC, if it wants to, based on final bifurcation of assets and liabilities between AP Transco and itself as and when it takes place, by filing appropriate petition before the Hon'ble Commission.	
	h) Therefore, I request the Hon'ble Commission to adopt the said order of APERC on true up claims of AP Transco for the second control period and direct TS Transco to refund Rs.317.13 crore to TS Discoms forthwith, subject to review if and when TS Transco prefers it in future. Or else, the Commission should direct TS Transco to submit forthwith its true up for the second control period on draft demerger plan and hold public hearing thereon and issue its order without further delay.	
2	It is gratifying to note that transmission loss (excluding PGCIL loss) has been reduced from 3.59% in 2013-14 to 3.13% in 2015-16. However, reduction of transmission loss from 2014-15 (3.18%) to 2015-16 (3.13%) is 0.05% only, after incurring net expenditure of Rs.645.27 crore during 2015-16. Moreover, it is to be noted that as per the targets of transmission loss determined by APERC in its tariff order for the third control period are 4.01% for 2016-17, 3.98% for 2017-18 and 3.95% for 2018-19. TS Transco has claimed that "the transmission network availability has improved from 99.902% in FY 2014-15 to 99.867% in FY 2015-16". If it is not a typographic error, reduction of transmission network availability cannot be claimed as improvement. Nevertheless, continuing to maintain transmission network availability at such levels over many years is a proof of exemplary performance and commendable.	TSTRANSCO is adopting the State of the art Technologies in maintaining the Transmission network in the State. These prudent maintenance practices have contributed to achieve System Availability of 99.9% and Transssmission losses of the order of 3.13% . In this regard it may be noted that the main objective of network expansion by any Transmission Utility is to ensure the timely evacuation of the Generation Capacity added and to cater to the load growth in their respective region of Operation. As such, the veiw point of the objector to look at the proposed investments, purely for Transmission loss reduction, is not appropriate. However TSTRANSCO will strive hard in maintaining its legacy of lowest losses and highest availability in future as well.

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3	<p>TS Transco has shown a net expenditure of Rs.1124.09 crore against Rs.1176.65 crore approved in the tariff order for the period from 2.6.2014 to the 31st March, 2016. During the same period total revenue of TS Transco is shown as Rs.2255.65 crore against Rs.2074.03 crore approved in the tariff order. During the said period, while net expenditure is less by Rs.52.56 crore and non-tariff income less by Rs.43.51 crore (Rs.87.29 crore against Rs.130.80 crore approved in tariff order), revenue is more by Rs.225.13 crore. On the whole, TS Transco has shown a surplus of Rs.604.43 crore, after claiming return on capital employed (ROCE) of Rs.527.13 crore, during the said period. It has submitted that the surplus of Rs.605 crore is being passed on to the consumers as a negative element during 2017-18 (Rs.302.21 crore) and 2018-19 (Rs.302.22 crore). Such a surplus has to be trued down as per applicable regulations; the entire surplus can be trued down during 2017-18 itself. The surplus is likely to vary, if various relevant factors are examined and considered by the Commission.</p>	<p>The licensee being a small company having ARR of around Rs.1500 crores per annum, reduction of revenue to the tune of Rs.605 crores in one year may have impact on financials/working capital. As such, the licensee has proposed for adjustment in two years ie., for FY 2017-18 & FY 2018-19.</p>
4	<p>TS Transco has explained that during the said period, the actual addition to the gross fixed assets is lower by Rs.1045 crore which is mainly due to delay in completion of projects. It has further explained that ROCE has been calculated by adding interest on term loans at actuals plus 14% return on equity on 25% of regulated rate base. Since Transco has not given actual rates of interest on term loans, the same needs to be examined to ascertain whether such rates are prudent or not going by the rates of interest prevailing during the said period and the fact that the interest rate of 12% permitted by APERC in its tariff order for the third control period itself is on the higher side.</p>	<p>The weighted average cost of debt for FY 2014-15 and FY 2015-16 works out to 10.76% p.a. and 10.31%p.a. respectively. The funding agency wise interest rates on the term loans for FY 2014-15(Actuals) and FY 2015-16 (Actuals) are furnished herewith.</p>
5	<p>Despite the fact that actual addition to the gross fixed assets is lower by Rs.1045 crore, net operation and maintenance expenses have increased by Rs.19.17 crore mainly due to wage revision with effect from 1.4.2014, as explained by Transco. While pending final allocation of employees between AP Transco and TS Transco, with no actuarial valuation towards employee terminal benefits taken up, pension and gratuity contribution has been provided provisionally, excluding provision towards leave encashment, it has explained. In other words, the O&M expenditure claimed by Transco during the said period lacks finality and is subject to adjustment. The permissibility of such a provision needs to be examined and determined by the Hon'ble Commission.</p>	<p>As stated, pending final allocation of employees between two entities actuarial valuation to evaluate the liability towards terminal benefits could not be taken up. However, Pension & Gratuity contribution has been provided provisionally in the accounts for FY 2014-15 and FY 2015-16. Provision towards leave encashment could not be ascertained. The Hon'ble Commission may take a view.</p>

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6	<p>The contention of TS Transco that the main reason for increase in actual revenue accrued from transmission charges during the said period by Rs.181.62 crore is increase of revenue from open access customers is untenable. Since the ERC had determined transmission charges in the tariff order based on all approved expenditures, capitalization of assets and growth in generation capacity, demand and contracted capacity, including that of open access customers, in the light of admitted delay in completion of projects during the said period, lesser net expenditure and disproportionate increase in O&M expenditure, etc., it can be reasonably asserted that the transmission charges have turned out to be inflated, with no periodical review of actual performance and revision of the transmission charges by the Commission. In other words, the surplus revenue accrued to TS Transco during the said period is not on account of efficiency improvement, but due to collection of inflated transmission charges. Moreover, delay in completion of projects, as admitted by Transco, would result in under-creation of projected transmission capacity and under-utilisation of capacity.</p>	<p>a) Since, the TSTRANSCO's ARR is fixed cost in nature, TSTRANSCO has raised bills on DISCOMs towards transmission charges for the capacity approved for the year by the Hon'ble Commission to recover its full costs. However, the transmission charges collected if any, from the Open Access Consumers has been proposed for true-down by the way of Special Appropriation by the licensee.</p> <p>b) The main reason for delay in execution of projects is Right of Way (ROW) problems, delay in getting land acquisition/clearances from Government Authorities like land allotment, road cutting etc., The details of 400 KV Projects are explained in Annexure.</p>
	<p>Since contracted capacity of open access consumers was also taken into consideration by APERC for the third control period, it can be safely presumed that a part of the contracted capacity not utilized by the Discoms on account of delay in completion of projects or substantial backing down or for other reasons might have been utilized by others, including unanticipated open access consumers. Transco has to make it clear whether it has charged and collected transmission charges from the Discoms for non-utilization contracted capacity, on the one hand, and from others for utilization of such capacity not utilized by the Discoms. In this connection, it is to be noted that APERC, in its tariff order for the third control period, pointed out that "if the cumulative actual cost is less than 90 percent of cumulative approved cost at the beginning of the financial year starting from 2015-16, the Commission may require the APTRANSCO to explain the reasons for cost variations. If necessary, the Commission may also require APTRANSCO to file the Transmission Tariff for the rest of the Control Period". Further, the Commission directed that "APTRANSCO shall file the actual costs and revenues on the last week of quarter every year for the previous quarter in the format prescribed for this purpose by the Commission. AP Transco may also state its own observations on cost, revenues and capacities along with the quarterly report" (page 75 of tariff order for the third control period). One of the directives given by APERC, in its tariff order for the third control period, is that "the Licensee shall take all possible measures to ensure that the Projects/ Schemes taken up are completed as per schedule. In this regard, the Commission clarifies that it will not allow any interest during construction for delays exceeding one month and three months in respect of completion of projects/schemes with the completion schedules of upto one year and more than one year, respectively, unless the Commission's approval for extension in the completion schedule is obtained in advance" (page 83 of tariff order). Whether any such exercise has been undertaken is not known.</p>	<p>c) With regard to submission of quarterly cost and revenues, consequent to formation of TSTRANSCO, the assets and liabilities of composite APTRANSCO between residuary APTRANSCO and TSTRANSCO are not yet finalized. Pending Segregation of final opening balances of TSTRANSCO, TSTRANSCO could not calculate certain expenses like Depreciation on fixed asset balances, interest charges on term loans, income on investments etc.,As such, TSTRANSCO could not file its cost and revenues from time to time.</p>

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	<p>There is every need to monitor the way orders or contracts are being given for execution of works and projects and purchases of materials by TS Transco to ensure that real and transparent competitive bidding is scrupulously followed, expenditure incurred is prudent and time schedules are adhered to. Since TS Transco has admitted that there is delay in completion of projects, the particulars of such delays project/scheme-wise, and cost escalation, including interest during construction, during periods of such delays should be furnished and examined in order to determine permissible expenditure during 2014-15 and 2015-16. I request the Hon'ble Commission to direct Transco to provide the same information to us.</p>	
7	<p>Cost of debt is project by TS Transco at 12% for the years 2016-17, 2017-18 and 2018-19. This is inflated and needs to be pruned, especially in the light of demonetization of currency notes of higher denomination by the GoI and the resultant flushing of banks and financial institutions with enormous funds and the trend of their reducing interest rates on different kinds of loans. Transco also may explore the possibility of swapping loans to get benefit of relatively lower interest rates.</p>	<p>The weighted average cost of debt for FY 2014-15 and FY 2015-16 works out to 10.76% p.a. and 10.31% p.a. However, there are certain outstanding loans carrying interest rate @ 14% p.a., TSTRANSCO has been making efforts from time to time by negotiating with Banks/Financial Institutions to reduce the interest rates according to the prevailing market conditions. Recently, M/s Rural Electrification Corporation and M/s Power Finance Corporation have considered to reduce the interest rates on term loans to 10.03% p.a. for the upcoming schemes. The Hon'ble Commission may take a view.</p>
8	<p>Transco has project transmission contracted capacity as 14376 MW for 2017-18 and 15021 MW for 2018-19. It has projected anticipated additions of generation capacity of 3974.488 MW for 2016-17, 4583.6 MW for 2017-18 and 2011.1 MW for 2018-19. Based on these projections, Transco has proposed total capital investment of Rs.2939.26 crore for 2016-17, Rs.5694.91 crore for 2017-18 and Rs.2957.03 crore for 2018-19. The anticipated addition of generation capacity of 4583.6 MW for 2017-18 is overambitious vis a vis the projected requirement of energy of 54756 mu and a surplus of 11,320 mu for both the TS Discoms for the same year. The surplus works out to 20.67% against the projected requirement. Moreover, availability of 807.31 MW as the share of TS Discoms (53.89%) from the four new IPPs (GVK extension, GMR Vemagiri, Konaseema and Gauthami with a total installed capacity of 1499 MW) is not considered by them in their ARR projections for the year 2017-18 on the ground that natural gas will continue to be unavailable to these projects. As and when supply of natural gas is recommended to these projects, TS Discoms will get additional 5657.62 mu as their share from these projects with a PLF of 80%. In other words, in such an eventuality, the available surplus will be 16,977 mu or 31% of projected requirement for the year 2017-18. What will the Discoms do with such a huge surplus and how much of it would be backed down is not explained by the Discoms in their ARR proposals. When seen in this background, the requirement of the anticipated addition of generation capacity, and projected addition of transmission capacity with a huge investment of Rs.5694.91 crore, for the year 2017-18 are questionable, for the following reasons, among others:</p>	

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	a) The proposed additions of generation capacity and transmission capacity would lead to disastrous consequences of imposing heavy and avoidable burdens on consumers of power with a considerable part of capacities created remaining stranded.	i) The Transmission contracted capacities with Discoms were arrived based on the information submitted by concerned Discoms, for Gas based Project capacities upto TS share
	b) Even addition of generation capacity of projects like Bhadradri and Yadadri and a part of non-conventional energy units, as projected in the submission of TS Transco, is doubtful for various reasons.	The generation capacities of Bhadradri and Yadadri were not added in contracted capacities of Discoms. All the capacities of non-conventional energy units were added as per the information provided by Discoms. These plants include already commissioned units and expected to be commissioned in the years 2017-18 and 2018-19.
	c) While TS Transco has shown addition of anticipated generation capacity of 800 MW from Kothagudem Thermal Station Stage-7 and 270 MW from Bhadradri TPS Manuguru during 2017-18, the TS Discoms have not shown availability of any power from these two projects in their ARR submissions for 2017-18.	TSTRANSCO also has not included the addition of anticipated generation capacity of 800 MW from KTPS stage-7 and 270 MW from Bhadradri TPS during 2017-18 as per TSDISCOMs projections.
	d) While Transco has shown addition of anticipated generation capacity of 2513 MW of non-conventional energy during 2017-18 alone (in addition to 1588.70 MW during 2016-17), the Discoms have projected availability of total installed capacities of NCE units during 2017-18 at 2984.3 MW.	The Transmission capacity contracted with TSTRANSCO by the TSDISCOMs will be covering 132 KV and above voltage levels whereas TSDISCOMS network capacity will include 33 KV level and 11 KV level also. Hence the difference in contracted capacities.
	e) Bhadradri Thermal Power Plant's construction has been on hold for several months following the order of the National Green Tribunal, which pointed out serious environmental issues. The NGT directed to prosecute officials of Genco for undertaking the project work in an unlawful manner. Ministry of Environment & Forests has not given environmental clearance to the project on the ground it is using subcritical technology.	The capacity of Bhadradri TPS has not been considered in contracted capacities of Discoms.
	f) On Yadadri Thermal Power Plant, Genco has been directed to conduct an EIA and the public hearing again.	This comment does not pertain to Transco. Any way the capacity of Yadadri TPS was not added in contracted capacities of Discoms.
	g) The Thermal Power Project of NTPC at Ramagundam proposed to be taken up under A.P.Reorganisation Act exclusively for Telangana is not shown under anticipated generation capacity additions during the next two financial years by TS Transco. This project, too, has its environmental and other problems.	The (2X800MW) 1600 MW of NTPC new thermal station is expected during FY 2020-21. Hence its capacity has not been considered in Discom contracted capacities for the years 2017-18 and 2018-19.
	h) Creation of transmission capacity to evacuate power from projects whose timely completion is doubtful and questionable would naturally lead to stranded assets and unwarranted financial burdens. Needless to say, addition of transmission capacity for projects concerned should be undertaken and completed in time in such a way that it can be put to use from performance acceptance tests of those projects. Preponing or postponing will have its adverse consequences.	The erection of new Transmission lines new sub-stations are generally delayed due to ROW issues land acquisitions and it would result in lagging behind schedule. But once completed, the asset would be put into service as the Transmission grid operates in a Intergrated way. Thus the Transmission Assets cannot be considered as stranded.

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	<p>i) Projected availability of surplus energy of 11,320 mu (16,977 mu as explained above) for the year 2017-18 shows that the earlier load forecast presented for a period of five years ending 2018-19 by TS Discoms to the Hon'ble Commission and the way they have been proceeding with entering into PPAs and the way Commission has been giving approvals have gone awry. These failures of commission and omission underline the imperative need for a realistic appraisal of load forecast and resources and procurement plans on a long-term basis.</p>	<p>TSTRANSCO considered the capacity as projected by TSDISCOMs.</p>
9	<p>In view of the above explained situation, I once again request the Hon'ble Commission to understand the seriousness of the situation and need for long-term load forecast and thoroughly examine with due diligence and determine realistically the capacity addition required both in generation and transmission based on a realistic long-term load forecast, resources and procurement plan that should be submitted by the Discoms, and give its order after holding public hearings. Based on that, the Hon'ble Commission should direct both the Discoms and TS Transco to confine their projections of, and plans and investments for, requirement of energy, purchases and capacity additions to permissible extents and give its approval accordingly to ensure orderly development of power sector and reasonable tariffs to consumers. Based on that and as per applicable regulations and parameters, capital investment, revenue requirement and transmission charges proposed by TS Transco for the next two financial years should be reduced substantially and determined realistically.</p>	<p>Under the purview of Hon'ble Commission.</p>
10	<p>I request the Hon'ble Commission to direct TS Transco to send its responses to our objections and suggestions, along with relevant information sought above, in time to enable us to study the same and make further submissions during the public hearing proposed to be held on 9.2.2017 on the subject proposals.</p>	

Jaipur Power Evacuation Scheme:

Major reasons for the delay in the execution of the subject project are as follows:

- a. The lines are passing through the areas of critical soil conditions with fully black cotton soils along with heavy water seepage. The rain fall during the year in these area was heavy and unseasonal due to which much difficulty was faced during the execution of foundation works and tower erection works.
- b. Design of River Crossing and Anchor type towers and pile foundations for Quad Moose D/C line took considerable time.
- c. Lot of ROW problems faced from farmers who are cultivating paddy, maize and cotton at many places, by which delay occurred substantially. In order to avoid damage to standing crops, stringing could not be done continuously.
- d. The approach roads laid were washed out and with the result the foundation and erection works have been carried out with head loading since it was not possible to use machinery such as RMC machines, JCBs, Lorries & Tractors etc which had a cascade effect in completion of work.
- e. Because of TELANGANA agitation supply and receipt of material was severely effected and execution of civil works and erection works were also effected in engaging workmen by the company.
- f. Clearances for Shutdown of Power line crossings , Railway Crossings, River crossings & State Highway Crossing lead to delay in execution of the line.
- g. For erection of LILO of 400kV TMDC Gajwel - Shankarpally circuit-I & II to the proposed 400/220/132kV SS Narsapurthe works has hampered due to severe ROW problems. This line is expected to be completed by March'2017.

Ring Main Transmission Scheme:

Major reasons for the delay in the execution of the subject project are as follows:

- a. TSERC has accorded investment approval for the scheme in Nov'2006.
- b. The works are commenced after the Investment Approval.
- c. During the execution, 400kV lines were revised due to severe ROW problems around Mamidipally SS.
- d. Further, the scheme was re-formulated due to change in scope of work in 220kV downstream and the Revised T.O.O. was issued in Nov'2010.
- e. The works are delayed due to severe ROW problems which persisted for long time as the lines are traversing through Hyderabad and Ranga Reddy Districts.
- f. All the works under this scheme were completed by Oct'2015.

SURYAPET POWER TRANSMISSION SCHEME:

Major reasons for the delay in the execution of the subject project are as follows:

- a. The land development work took considerable time due to delay in land clearance from revenue officials.
- b. Abnormal rain due to 2nos. cyclones (Philin& Helen affected the land development of switchyard badly.
- c. There was delay in supplying equipment due to lot of disturbance in agitations for separate Telangana state and consequently bifurcation of Telangana & Andhra Pradesh states and employees.
- d. In the original scheme, LILO of VTS-MalkaramCkt-I to Suryapet SS was not contemplated, the then APERC during investment approval of the scheme had included this line as alternate source to Suryapet SS. Therefore, 2 Nos. bays at 400kV Suryapet Substation are included to terminate the above line as per the approval of APERC. For erection of these additional 2nos. 400kV bays additional time was taken.
- e. In spite of all the inconveniences, the 400kV Suryapet SS through LILO of 400kV VTS-MalkaramCkt-I charged in March 2016.
- f. The line works are delayed due to severe ROW problems which persisted for long time as the lines are traversing through Nalgonda and Ranga Reddy Districts.
- g. The supplies were delayed because of finalization of designs of Tower locations at Musi river crossing locations.
- h. Some tower locations also involved forest clearance in Datpalli Reserve Forest which consumed time for approvals for respective authorities.
- i. According to the minutes of 39th meeting of the Standing Committee on Power System Planning of Southern Region, TSTRANSCO was requested to to implement LILO of both circuits of Malkaram – VTPS 400kV DC line at Suryapet 400kV SS instead of LILO of only one circuit. The line and respective bays are expected to be completed by Dec'2017.

220 / 132 KV

Reply to para (6) of objections / suggestions by Sri.M.Venugopal Rao, Hyderabad

Sl No.	Project Code	Project Title	Reason
1	APT/TS/132/F-INVST-37/2003	132/33 KV SS Khanapur with connected lines	Right of Way Charged on 25.05.2016
2	APT/TS/132/F-INVST-53/2005	132/33 KV SS Ieeza in Mahaboobnagra District with connected lines	Right of Way
3	APT/TS/132 kV SS - Disincherla / F-INVST 09/2010	Erection of 132/33 kV SS at Disincherla in Nalgonda district along with connected 132 kV line (TOO No.06, dt.04.04.2006)	Right of Way
4		Erection of 220/132 kV SS at Suryapet in Nalgonda district along with connected 220 kV lines & 132 kV lines (Too No. 77, dt. 09.06.2006) (Revised TOO No.100, dt. 18.06.2010)	Now 220/132 kV SS Suryapet becomes part of 400 kV Suryapet SS.
5	APT/TS/132 SS/No. 104/2009	Erection of 132/33 KV SS at Chintal along with connected 132 & 33 KV lines.	Substation charged on 29.03.2011 as per the completion period.
6		Diversion of 220 kV KTPS Nunna - SRPM line for KTPS VII Stage	DC Work
7	APT/TS/220-132 GIS HYD /F-INVST-99/2009	Erection of various 220 kV & 132 kV GIS substations and connecting XLPE UG cable lines in and around Hyderabad metropolitan city with JBIC funding	
		A) Gunrock 220 kV SS	Initially the contract was awarded to M/s. Axis Structural Pvt Ltd in the year 2010 , due to poor progress, the contract was terminated and work was retendered and awarded to M/s. R.K.Electric Automation Ltd. in the year 2013 .Finally the 220KV Bays at Malkaram charged on 31.03.2012. Gunrock SS Charged in 2012
		Malkaram-Gunrock Cable Line	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable. The 220 kV line was commissioned in Nov-2012 and operating successfully since then
		B) Hayatnagar 220 kV SS	Initially the works were awarded to M/s Chadalavada Infra Tech Ltd . Due to poor progress of works by the agency, the contract was terminated. Again tender was called and the work was awarded to M/s.Amar Raja Power Systems.
			All works are completed in SS by Sep 2016 ,due to pending of connected cable works, the SS could not be commissioned.

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		Connected Cable & Over head line (Marripally Commom point to Hayathnagar)	<p>Work under progress. The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.</p> <p>All works are completed and test charged on 03.09.2016. Due to Severe Right of Way , pending court case issues, locations situated near Moosi River and approach for laying foundations the works got delayed.</p>
		C) Imlibun 220 kV SS IMLIBUN GIS SS	<p>Initially the work was awarded to M/s AXIS Structural PVt Ltd . due to poor progress of contractor, the contract was terminated and retendered the balance works was awarded to M/s Amrraja Power Systems Ltd., vide PO Dt:10.05.2013 . The supply and erection of 220 kV and 132 kV GIS modules was allotted to M/s. Siemens and due to delay in supply of GIS Modules by M/s Siemens and supply of C&R Panels ,the balance works that are to be carried out by M/s Amar Raja Power systems Ltd were got delayed. Finally The 220 KV GIS SS Imlibun charged on 31.01.2017</p>
		Connected Cable(Ch'gutta-Imlibun)	<p>The Cable laying, jointing and Termination at Chandrayangutta side completed March-2014. Due to non readiness of Imlibun GIS SS, M/S Indu Projects Limited was unable to carryout terminations at 220/132 KV GIS Imlibun. Finally the cable was charged on 24.01.2017</p>
		Modules Supply (Siemens)	<p>Due to delay in the supply of modules work got delayed</p>

Sl No.	Project Code	Project Title	Reason
		D) Moosarambagh 132 kV SS	<p>Charged on : 29.09.2016, Due to pending of connected cable works, the SS commissioning delayed.</p> <p>Initially the works were awarded to M/s Bodapati Control Systems. Due to poor progress of agency, the contract was terminated . Again tender was called and the work was awarded to M/s.Vertex Constructions</p> <p>Charged on : 29.09.2016, Due to pending of connected cable works, the SS commissioning delayed.</p>
		Connected Cable (Gunrock-Imliban LILO to Moosarambagh)	<p>Charged on : 30.09.2016, The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.</p>
	E) Balkampet 132 kV SS Balkampet GIS SS		<p>The incoming supply to 132 kV GIS SS Balkampet is from 220 kV GIS SS Erragadda. The 132 kV Balkampet was not charged due to delay in commissioning of 220 kV GIS SS Erragadda. The 220 kV GIS SS Erragadda was charged on 27.05.2015. The 132 kV GIS Balkampet was charged after charging of 220 kV GIS SS Erragadda.i.e on 18.09.2015</p>
	Erragadda -Balkampet cable		<p>The cable laying and jointing completed in June-2012.Due to non readiness of both GIS substations,terminations at Erragadda and Balkampet completed in July-2014. Finally the line was commissioned on 4th June 2015.</p>

Sl No.	Project Code	Project Title	Reason
		Modules Supply (Siemens)	--
		F) Erragadda 220 kV SS GIS Erection	Erragadda GIS SS Charged on 03.08.2015. Due to delay in drawing approvals, the works were got delayed.
		Cable Erection	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable. Finally the cable charged on 27.05.2015
		Cable Supply	--
		GIS Supply	--
		G) Osmania University (Chilakaguda) 220 kV SS GIS Erection	220 KV GIS SS OU Charged on 14.10.2015. Due to delay in drawing approvals civil, the works were got delayed.
		cable Erection	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable. Finally the cable charged on 04.10.2015
		cableSupply	--
		GIS Supply	--
		H) Bachupalli(Miyapur) 220 kV SS	
		I) Narayanaguda 132 kV SS Narayanaguda GIS SS	Initially 132 kV Narayanaguda contract was awarded to M/s. Axis Structural Pvt Ltd in the year 11/2010, due to poor progress, contract was terminated and work was retendered and awarded to M/s. R.K.Electric Automation Ltd., in May'2013 and all the balance works completed and the SS will be charged in Feb-2017

Sl No.	Project Code	Project Title	Reason
		Fever Hospital- Naryanaguda	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.
		Modules Supply (BHEL)	Initially 132 kV Narayanaguda contract was awarded to M/s. Axis Structural Pvt Ltd in the year 11/2010, due to poor progress, contract was terminated and work was retendered and awarded to M/s. R.K.Electric Automation Ltd., in May'2013. Modules erection got delayed as the clean room condition at GIS Naryayanaguda was got delayed .
		J) Fever Hospital 132 kV SS	Charged on 02.01.2017
		Fever Hospital GIS SS	The incoming supply to 132 kV GIS SS Fever Hospital is from 220 kV GIS OU. The 132 kV Fever Hospital was not charged due to delay in commissioning of 220 kV GIS SS OU. The 220 kV GIS SS OU was charged on 14.10.2015. The 132 kV GIS Fever Hospital was charged after charging of 220 kV GIS SS OU .i.e on 02.01.2017 as the OU-Fever Hospital Cable was not ready.
		OU- Fever Hospital	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.
		Modules Supply (Siemens)	Due to addition of work of 1 NO Bay at Fever Hospital ,supply of modules for Fever Hospital work got delayed.

Sl No.	Project Code	Project Title	Reason
		K) Pattigadda 132 kV SS Connected cable(Balkampet-Patigadda)	The cable laying and jointing completed in March- 2012.Due to non readiness of GIS Buildings at Balkampet and Patigadda, GIS Terminations at Balkampet and Patigadda were pending since long time. Later at Balkampet, GIS termination work was completed in June-2014 and then Patigadda GIS SS was not ready for termination work .Due to as Initially 132 kV Patigadda GIS substation was allotted to M/s. Bodapati Controls in 2013. Due to poor progress, the contract was terminated. After that the work was retendered and allotted to M/s. Vishwanath Projects. 132 KV Modules supplied by M/s ILJIN and erection work completed in October-2016. The 132 KV GIS Termination work by M/s. Indu Projects completed. Finally the cable was charged on 24.12.2016
		Connected cable(Patigadda-Hussain Sagar)	The Cable laying and jointing was completed in Nov-2014. Due to non readiness of GIS buildings at Hussainsagar and Patigadda, M/s Indu Projects Limited ,Hyderabad unable to carryout the termination work. Due to as Initially 132 kV Patigadda GIS substation was allotted to M/s. Bodapati Controls in 2013. Due to poor progress, the contract was terminated. After that the work was retendered and allotted to M/s. Vishwanath Projects. 132 KV GIS Modules erection work completed at Hussainsagar by M/s ILJIN in Oct-2016 and GIS Termination work completed in October-2016 by M/s Indu projects Limited. Finally the cable charged on 07.01.2017
		K) Pattigadda 132 kV SS	Charged : 29.12.2016, Due to pending of connected cable works, the SS commissioning delayed
			Initially the work was awarded to M/s Bodapati Control Systems.Due to poor progress of agency, the contract was terminated . Again tender was called and the work was awarded to M/s.Vishwanath Projects Hyderabad.
			Charged on 29.12.2016, Due to pending of connected cable works, the SS commissioning delayed.

Sl No.	Project Code	Project Title	Reason
		Connected Cable (Gun rock - Patigadda)	The laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.
8	F-INVST 09/2010	220 kV SS Narmetta & connected lines	Charged on 19.10.2015 Right of Way near Jangaon town
9	APT/TS/132kV SS-Guntipally/F-INVST-17/2010	132 kV SS Guntipally & Connected Lines	Right of Way
10	APT/TS/220/132 kV - Manthani/ F-INVST - 01/2011	220 kV SS Manthani & connected lines	Charged on 6.01.2016 Delay in supply of SAS equipment
11	APT/TS/Lower Jurala-Evac / F-INVST - 06/2011	Transmission system for evacuation power from the forth coming Lower Jurala Hydro Electric Station (6x40 MW)	Charged on 29.11.2016. LILO line charged in Dec'2013, delay is due to change in JC towers
12	APT/TS/132 kV SS Amarchinta / F-INVST 08/2011	132 kV SS at Amarachinta along with connected 132 kV DC/SC Line from Jurala SS - Amarachinta SS	Charged on 27.01.2016. revised design approved in Sept'2014, due to non-availability of sand (stay issued by High Court)
13	APT/TS/220/33 kV-Singotam X Roads / F-INVST - 20/2011	Erection of 220/33 kV SS at Singotam 'X' Roads, instead of erection of 132/33 kV substation at Singotam 'X' Roads, Kollapur Mandal in Mahabubnagar district along with connected lines	Charged on 02.09.2016. Delay is due to delay in supply of SAS panels.
14	APT/TS/132 kV SS - Borapatla / F-INVST - 24/2011	132 kV SS at Borapatla in Medak District along with connected Lines	Due to Right of Way. Works under progress.
15	APT/TS/132 kV SS - Utnoor / F-INVST - 25/2011	132 kV SS at Utnoor in Adilabad District along with connected Lines	Charged on 15.04.2015 Right of Way at Loc.3 of line
16	APT/TS/132kv - Makthal-Gadwal LILO-Invst-2/2012	Laying of LILO of 2nd Ckt Makthal-Gadwal to 220kV Jurala SS (TOO 350, dt. 27.11.2010)	PO cancelled due to poor work progress and Tenders to be recalled.
17	APT/TS/132kv SS-N.V.Puram/F-INVST-11/2012	132kv ss N.V.Puram & connected lines	Work in progress Pile foundation to be laid for Godavari river crossing.
18	APT/TS/132kv SS-Ghanapur/F-INVST-13/2012	132kv ss Ghanapur & connected lines	Charged on 8.12.2014
19	APT/TS/132kv SS-LGM Peta/F-INVST-17/2012 (Revised approval awaited)	132KV SS LGM Pet & connected lines	SS Charged on:18.8.2016 Line Charged on:13.8.2016 LGM Pet line is delayed due to severe Right of Way problems.
20	APT/TS/132kv SS-Toopranpet/F-INVST-21/2012	132 kV SS Toopranpet & connected lines	Tenders to be called
21	APT/TS/220 / 132 kV - Parigi / F-INVST - 1/ 2013	220/132 kV SS at Parigi & connected lines	Charged on 04.03.2016. The line works delayed due to severe Right of Way problems.
22	APT/TS/220 kV - SW.Stn /F-INVST - 2/ 2013	220 kV Switching Station at Thimmajipeta & connected lines	Delay in execution

S1 No.	Project Code	Project Title	Reason
23	APT/TS/ 132 kV SS - NIMS /F-INVST - 3/ 2013	132 kV SS NIMS & connected lines	PTR works under progress. Testing and commissioning is to be done.
			Initially the site was located at PTO and the work was awarded to M/s Bodapati Control Systems Private Limited. Amendment was given to Contract order RC-4078 on 06.04.2013 deleting the 132/33 KV GIS at PTO (Miralam filter Bed) from scope of work as the land at PTO is not finalized . The site at PTO was cancelled due to security reasons.Due to change in site from PTO to NIMS, the work was awarded to M/s.Bhavani Electricals Private Limited in 31.10.2013
			PTR works under progress. Testing and commissioning is to be done. M/s Schneider Electric control and relay panel internal wiring and M/s Iljin modules internal control cable wiring works are pending. Further, electrical works such as cable terminations, connection of jumpers, aluminum pipe erection etc., are to be carried out by M/s Bhavani Electricals Pvt Ltd.
		Connected Cable(Erragadda-NIMS)	work under progress. NIMS authorities are not allowing to lay the cable. Further, the laying of cables could not be completed in time as this requires road cutting permission viz, GHMC, National High Ways, SCB, Railways, Traffic Police. Further working season for laying of cable is very less in the year, as these cables are being laid in the vicinity of city and surrounding areas. There is a ban in road cutting permission during monsoon season, festivals, HMRL works and during other important functions. At some places and important junctions due to permission not given for road cutting Horizontal Direct Drilling (HDD) below the roads was used for laying of cable without disturbing the road traffic, this also took considerable time for laying of the cable.
24	APT/TS/132 kV SS - Donthanpalli/ F-INVST - 6/2013	132 kV SS Donthanpally & connected lines	Works under progress (No delay)
25	APT/TS/132 kV SS - Yeldurthy/F-INVST - 7/2013	132 kV SS Yeldurthy & connected lines	Works under progress (No delay)
26	APT/TS/132 kV SS - Mogiligidda/F-INVST - 9/2013	132 kV SS Srirangapur (Mogiligidda) & connected lines	Charged on 13.06.2016. Right of Way in the line
27	APT/TS/132 kV SS - Kosgi/ F-INVST -10/2013	132 kV SS Kosigi & connected lines	No delay

S1 No.	Project Code	Project Title	Reason
28	APT/TS/132 kV SS - Dasnagar/ F-INVST - 11/2013	132kv ss Dasnagar & connected lines	Charged on 21.07.2016 Right of Way near Nizamabad town.
29	APT/TS/132 kV SS- Mamidipalli/ F-INVST - 12/2013	132 kV SS Mamidipally & connected lines	Charged on 31.03.2016. The line works delayed due to severe Right of Way problems.
30	APT/TS/132 kV - DC/SC Line- Luxettipet- Dharmapuri/ F-INVST -13/2013	132kV DC line from 132kV Dharmapuri SS to 132kV Luxettipet SS and 2Nos bays at 132kV Dharmapuri SS and 2Nos bays at 132kV Luxettipet SS	Right of Way and 2 nos JC tower to be laid for Godavari river crossing.
31	APT/TS/132 kV SS - Madugula/ F-INVST - 16/2013	132 kV SS Madugula & connected lines	Works are under progress. Right of Way issues in the line
32	APT/TS/132 kV SS - Kamanpur/ F-INVST - 19/2013	132kv SS Kamanpur & connected lines	Charged on 06.10.2016. Right of Way
33	APT/TS/132 kV SS - Raikal/ F-INVST -20/2013	132 kV SS Raikal & connected lines	Charged on 8.09.2016 Contractor delay
34	APT/TS/132 kV SS - Burugupalli/ F-INVST -21/2013	132 kV SS Burugupally & connected lines	Charged on 30.03.2016 Line connectivity is revised.
35	APT/TS/ 220 kV SS - Nagole (Metro Rail) / F- INVST - 25/2013	Erection of 220/132kV SS at Nagole(Uppal) for Metro	Date of charging -25.9.2016,The line is delayed due to severe Right of Way problems.
36	APT/TS/ 132 / Yeddumailaram - Pashamailaram / F- INVST-27 /2013	132 kV DC/SC interlinking lines between substations 220 kV Yeddumailaram - 132 kV Pashamailaram (TOO 61, dt. Dt. 25.05.2016)	Tenders to be called (No delay)
37	APT/TS/ 220 /Lines/ Budidampadu - Bhongir 2nd ckt LILO to Waddekottapalli / F- INVST-29 /2013	220 kV LILO line from 220kV Budidampadu - Bhongir 2nd circuit to 220 kV Waddekottapalli SS	Charged on 6.08.2014. Right of Way
38	APT/TS/132kV SS- Doulthabad/F-INVST- 38/2013	132 kV SS Doulthabad & connected lines	Due to agency (Contractor)
39	APT/TS/132kV SS- Yerrabelli/F-INVST- 39/2013	132kv SS Yerrabelli(V), Nidmanoor(M) & connected lines	No delay
40	APT/TS/132kV SS- Keshampet/F-INVST- 40/2013	132 kV SS Alwal (Keshampet) & connected lines	Charged on 18.03.2016. delay is due to supply of CVTs & PLCC Panels & Right of Way
41	APT/TS/132kV SS- Alwalpad/F-INVST- 41/2013	132 kV SS Ganganpalli (Alwalpadu) & connected lines	Works are under progress (No delay)
42	APT/TS/220 kV -SS - Kosgi/ F-INVST -50/2013	220kV features at proposed 132kV SS at Kosgi	Charged on 04.07.2016
43	APT/TS/132kV SS- Palakurthy/F-INVST- 54/2013	132KV SS Palakurthy & connected lines	Charged on 29.07.2016. No delay
44	APT/TS/220/132kV - Huzurnagar/F-INVST- 01/2014	220/132kV SS Huzurnagar & connected lines	Works are under progress (No delay)
45	PT/TS/Pulichintala- Evac/F-INVST-02/2014	Pulichintala Hydro electric project evacuation arrangemnets	Due to Right of Way.
46	APT/TS/132kVSSKhaitalapur / F-INVST- 4/2014	Erection of 132/33 kV Substation at Khaitalapur along with connected lines	Works are under progress (No delay) Works are under progress (No delay)
47	APT/TS/132 kV SS - Nimmapalli/ F-INVST - 06/2014	132kV SS Nimmapally & connected lines	Tender floated.

S1 No.	Project Code	Project Title	Reason
48	APT/TS/132kV SS-Neilikuduru/F-INVST-07/2014	132kV SS Nellikuduru & connected lines	Works are under progress (No delay)
49	APT/TS/132kV SS-Munugodu/F-INVST-08/2014	132kV SS Munugodu & connected lines	Works are under progress (No delay)
50	APT/TS/132kV SS-Kathlapur/ F-INVST-09/2014	132kV SS Kathlapur & connected lines	Right of Way
51	APT/TS/132kV SS-Dornakal/F-INVST-11/2014	132kV SS Dornakal & connected lines	Charged on 22.07.2016
52	APT/TS/132kV SS-Gudur/ F-INVST-13/2014	132kV SS Gudur & connected lines	Charged on 28.07.2016
53	APT/TS/132kV SS-Inavole/ F-INVST-15/2014	132kV SS Inavole & connected lines	Works are under progress (No delay)
54	T.O.O (CE-Construction) Ms. No. 5 Dated: 1.07.2014	33 kV features at Boothpur 220/132 kV Substation	Charged on 4.12.2014. Delay due to agency (Contractor)
55	TST/TS/132kV SS/Dommarapochampalli /F-INVST- 04/2015	132KV Dommarapochampally & connected lines DP Pally SS	Works are under progress
		DP Pally Cable	works are under Progress
56	TST/TS/132 kV SS-Kandukuru/ F-INVST-05/2015	132 kV SS Kandukuru & connected lines	Line profile is handed over to erection contractor and works are under progress. (No delay)
57	TST/TS/ 132/33 kV Aswaraopet SS Up-Gradation to 220/132 kV / F-INVST- 7/2015	Up-Gradation of 132/33 kV SS Aswaraopet to 220/132 kV SS	Awarded during Nov'2016 Work in Progress. (No delay)
58	TST/TS/132 kV SS-220 kV Toopran, 132 kV Ganeshpally & 132 kV Duddeda SS / F-INVST-07/2015	220/132/33 kV Substation at Toopran in Medak District along with connected lines	Works under progress (No delay)
59	TST/TS/132 kV SS-220 kV Toopran, 132 kV Ganeshpally & 132 kV Duddeda SS / F-INVST-07/2015	132/33 kV Substation at Ganeshpally in Medak District along with connected lines	Charged on 08.06.2016
60	TST/TS/132 kV SS-220 kV Toopran, 132 kV Ganeshpally & 132 kV Duddeda SS / F-INVST-07/2015	132/33 kV Substation at Duddeda in Medak District along with connected lines	Charged on 02.09.2016
61	TST/TS/220/132kV SS Sircilla / F-INVST-8/2015	220/132 kV Substation at Sircilla along with connected lines in Karimnagar district	Charged on 15.12.2016
62	TST/TS/132/33kV SS Ibrahimbagh / F-INVST-11/2015	132/33 kV Substation at Ibrahimbagh along with connected lines	Tender to be floated (No delay)
63	TST/TS/132/33kV SS Arempula / F-INVST-12/2015	132KV Arempula & connected lines	Right of Way. Work in progress.
64	TST/TS/132/33kV SS Munagala / F-INVST-13/2015	132kV SS Munagala(V&M) & connected lines	Works under progress (No delay)
65	TST/TS/ 220 kV 2nd circuit / RSS to Nirmal SS and RSS to Jagityal SS / F-INVST- 15/2015	220 kV 2nd circuit stringing on 220 kV RSS - Jagityal and 220 kV RSS - Nirmal	Awarded on 09.11.2016. Work in Progress

Sl No.	Project Code	Project Title	Reason
66	TST/TS/ 220/132 kV SS Raidurg / F-INVST-1/2016 (Outdoor)	220/132 kV SS at Raidurg in Ranga Reddy district	<p>i) THE PROJECT COULD NOT BE EXECUTED AS TSIIC (ERST. APIIC) HAD SEVERAL TIMES REVISED THE INITIALLY TO PLOT NO.32, THEN 48 AND FINALLY 30/B. ALL SPANNING IN A PERIOD OF 5 YEARS.</p> <p>ii) TSERC HAS COMMUNICATED THE INVESTMENT APPROVAL AND ALLOTTED CRN :TST/TS/ 220 KV / 132 KV SS - RAIDURG/ F-INVST-01/2016 FOR AN AMOUNT OF RS.117.31 CRORES. Dated 08-06-2015.</p> <p>iii) TENDERS WERE CALLED FOR SUPPLY, ERECTION, TESTING AND COMMISSIONING OF THE SUBSTATION AND THE CONTRACT WAS AWARDED IN OCTOBER'2015. THE CONTRACTOR HAS COMMENCED THE WORK</p> <p>iv) FINALLY, WORK WAS CANCELLED DUE TO PROPOSAL OF 220/132/33KV GIS SS INSTEAD OF CONVENTIONAL SS.</p>
67	TST/TS /132/33 kV SS Aipoor , Nalgonda /F-INVST- 01/2016-17	132/33 kV SS at Aipoor in Nalgonda district	Tenders to be called
68	TST/TS / 220/132 kV SS Ayyagaripally, Mahabubabad /F-INVST- 03/16 - 2016-17	220/132 kV SS at Ayyagaripally in Mahaboobabad in Warangal district	Right of Way for SS site (Court Case) Work in progress.
69	TST/TS/132kV / MD Pally, Kattedan /F-INVST- 03/2016	132 kV SS MD Pally (Kattedan) & connected lines MD Pally SS	works are under Progress
		MD Pally Cable	works are under Progress (No delay)
70	TST/TS/132kV / Kachapur SS/F-INVST-17/2016	132/33kV SS Kachapur & connected lines	Delay as the SS site is Rocky Work in progress
71	TST/TS/ 220 kV Pedagogpati SS / Investment approval No. 19/16-2016	Erection of 220/132/33 kV SS at Pedagogpati in Khammam district	Work in progress (No delay)
72	TOO / CE/Const-I/ MS No.182 Dated 10.09.2012	33 kV features in proposed 132 kV Switching station at Ramapuram (Ckoramandal Cements) in Nalgonda district	No delay
73	Normal Plan	33 kV features at Gangadhara 132/11 kV Lift irrigation substation in Karimnagar district	Work in progress (No delay)
74	Normal Plan	erection of 33 kV features at Jankampet 132/11 kV Lift irrigation substation in Nizamabad district	Work in progress (No delay)
75	Normal Plan	33 kV features at Bagepally 132/11 kV Lift irrigation substation in Nizamabad district	Work in progress (No delay)
76	Normal Plan (T.O.O NO. 284, DT. 20.12.2012	erection of 132 kV LILO line from existing 132 kV APC Kurnool - Gadwal line to 132/33 kV Alampur substation in Mahaboobnagar district	Work executed by APTRANSCO.
77		132/33 kV SS Jadcherla & connected lines	Charged on 04.02.2014 11.08.2014 APIIC authorities stopped the work, orientation of control room revised, work stopped due to Telangana agitation. Stay order issued by the Hon'ble High Court on quarrying of sand.

Sl No.	Project Code	Project Title	Reason
78	TST/TS/132/33 kV SS - Narayanpet, Mahaboobnagar / Investment Approval No.5/16, 2016-17	132/33 kV Substation at Narayanpet in Mahaboobnagar District	Works are under progress (No delay)
79	Approval awaited	220/132/33 kV SS at Kachavani Singaram in Ghatkesar Mandal of Ranga Reddy district	TSERC approval awaited.
80	Approval awaited	132/33 kV Sub-Station at Regonda in Warangal District.	SS site acquisition in process. Tender to be floated.
81	TST/TS/ 220132/33 kV / Substation, Borampet RR District/ INVST- No. 07/16 - 2016-17	220/132/33 kV Substation at Borampet in Ranga Reddy district	Work under progress (No delay)
82	TOO / CE/Trans/ MS No.88, Dated 30.06.2016	132/33 kV Substation at Kotagiri in Nizamabad District.	SS site acquisition in process. Tender to be floated.
83	TOO / CE/Trans/ MS No.2 Dated 04.02.2015	132/33 kV Substation at Chandulapur Village of Chinnakodur Mandal in Medak District along with connected lines	Works under progress (No delay)
84	TOO / CE/Trans/ MS No.72 Dated 17.04.2015	Providing second source of supply to 132/33 kV Sub-Station, Dharmapuri in Karimnagar District	Works under progress (No delay)
85	TOO / CE/Trans/ MS No.106 Dated 17.06.2015	Shifting of 132 kV SS at Wadapally by erection of 132 kV SS at Wadapally (New) in place of existing Wadapally SS and 132 kV LILO arrangements to 132/33 kV SS Wadapally (NEW) in Nalgonda district.	Most of the equipment are to be shifted from Wadapally (old) and issue of line clears
86	TOO / CE/Trans/ MS No. 136 Dated 27.07.2015	Erection of 132 kV line for making LILO of both of the circuits of existing 132 KV Husnabad-Huzurabad DC line at 220/132 kV LI Substation Huzurabad and Erection of 1 No. 100 MVA additional PTR at 220/132 kV LI SS, Huzurabad with equipment totalling to 2 X 100 MVA.	Awarded during Nov'2016 Work in Progress.
87	TOO / CE/Trans/ MS No. 137 Dated 29.07.2015	132 kV line from 220 kV Jurala Sub-Station to 132 kV Ieeza Sub-Station under the program of providing 9.00 Hrs agricultural supply during day time.	Tenders cancelled and retendering to be done.
88	TOO / CE/Trans/ MS No. 140 Dated 30.07.2015	132/33 kV Sub-Station at Jangapally of Bejjanki Mandal in Karimnagar District.	Tech.Sanction in process. Tender to be floated Feb'2017
89	TOO / CE/Trans/ MS No. 156 Dated 19.08.2015	Providing second source of supply to 132/33 kV Sub-Station, Lalgadi Malakpet in Shameerpet Mandal of Ranga Reddy District	Works under progress
90	TOO / CE/Trans/ MS No. 158 Dated 22.08.2015	Erection of 132 kV lines for making LILO of (i) 2nd Circuit of 132kV Warangal - Shapurnagar DC line at 132kV SS Jangaon and (ii) 2nd Circuit of 132kV Warangal - Shapurnagar DC line at 132kV SS Kolanpak	Tender to be floated.
91	TOO / CE/Trans/ MS No. 162 Dated 26.08.2015	Stringing of 2nd circuit from 220/132 KV Kamareddy SS to 132 KVSS Domakonda and from 132 KVSS Domakonda to 132 KVSS Biknur under the program for providing 9.00 Hrs Day Time Supply for Agriculture - Accorded	Tender to be floated.
92	TOO / CE/Trans/ MS No. 163 Dated 26.08.2015	Erection of 132 kV DC line for making LILO of one circuit of existing 132kV DC line from 132 KV SS Jakora to 132 KV SS Bichkunda at 132/33 kV SS Banswada under the program for providing 9.00 Hrs Day Time Supply for Agriculture	Work in progress (No delay)
93	TOO / CE/Trans/ MS No. 167 Dated 4.09.2015	2nd Circuit stringing on proposed 132 kV DC/SC line from the under construction 400/220/132 kV SS Suryapet to 132/33 kV Shah Ali Gowraram under the program for providing 9.00 Hrs agricultural supply during day time.	LOI issued works to be commenced.

Sl No.	Project Code	Project Title	Reason
94	TOO / CE/Trans/ MS No. 173 Dated 7.09.2015	Erection of 132/33 kV Sub-Station at Gandimasanipet of Yellareddy Constituency in Nizamabad District.	SS site consists of boulders & Rocky, alternate site is under finalization.
95	TOO / CE/Trans/ MS No. 210 Dated 6.11.2015	Providing of alternate supply to 132 /33 kV SS Chennur and 132/33 kV SS Kataram from 220/132 kV SS, Manthani under the program for providing 9.00 Hrs Day Time Supply for Agriculture.	Tender to be floated.
96	TOO / CE/Trans/ MS No. 231 Dated 21.12.2015	Erection of 132/33 kV Sub-Station at Sarangapur along with connected lines in Adilabad District.	Tender to be floated
97	TOO / CE/Trans/ MS No. 31 Dated 18.02.2016	Erection of 33 kV Features at existing 132 kV Switching Station, Kodandapur in Nalgonda District.	Tender under finalisation.
98	TOO / CE/Trans/ MS No.62 Dated 25.04.2016	(i) 33 kV features at the existing 220 kV Switching Station, Nagaram, (ii) 33 kV Features at existing 220/11 kV LI Sub-Station, Bheemghanpur & (iii) 33 kV Features at existing 132/11 kV LI Sub-Station, Dharmasagar of Warangal District.	Tender under finalisation.
99	TOO / CE/Trans/ MS No.78 Dated 14.06.2016	132/33 kV Substation at Shad Nagar (V) Hamlet of Wattipally in Medak District.	Works under progress (No delay)

Statement showing the Interest Rates of Banks/FI's

Sl.No.	Name of the Bank	ROI (%) F.Y.2014-15	ROI (%) F.Y.2015-16
1	REC	8.00-14.50	8.00-13.50
2	PFC	9.50-14.25	9.50-13.25
3	Federal Bank	10.75	10.75
4	Canara Bank	10.25	10.25
5	Oriental Bank of Commerce	11.25	11.00
6	Andhra Bank	11.25	11.25
7	Syndicate Bank	10.25	10.00
8	Karur Vysya Bank	11.25	11.00
9	Bank of Baroda	11.00-11.15	11.00-11.15
10	Bank of Maharashtra	11.00	11.00
11	Punjab & Sind Bank	10.75-11.25	10.75-10.25
12	Allahabad Bank	11.15	11.15
13	Bank of Rajasthan / ICICI	11.15	11.15
14	Karnataka Bank Ltd.	11.15	11.15
15	Corporation Bank	11.25	11.25
16	Union Bank of India	11.15	11.15
17	UCO Bank	11.25	10.95
18	NABARD	10.75	10.75
19	South Indian Bank	11.50	11.50
20	Tamilnadu Mercantile Bank	11.25	10.90
21	Dena Bank	11.25	11.00

Sl. No.	Summary Objection	Response
	M.Thimma Reddy, Convenor, People's Monitoring Group on Electricity Regulation, 139, Kakatiyanagar, Hyderabad - 500 008	
	1.It is heartening to note that the transmission network availability has been maintained at 99.9%. At the same time it has to be examined whether this can be achieved at lesser cost and bring down tariff burden on electricity consumers in the state. While peak power demand in Telangana State is below 9,000MW transmission capacity created is more than 14,000 MW.	Noted.
	2. TSTRANSCO listed KTPS VII (800 MW) and Bhadradri Thermal Power Plant (270MW) under anticipated capacity addition during 2017-18. But these power plants do not figure in TSDISCOMs' list of power plants from which they are planning to procure power during 2017-18. Any investment on evacuation of power from these plants appears premature and will entail additional expenditure without commensurate availability of power. Similarly, while TSTRANSCO projects capacity additon of 2,513.60 MW under non-conventional energy sources TSDISCOMs account for 1,584 MW during 2017-18. As TSDISCOMs estimates are nearer to ground reality the same shall be taken into account, instead of TSTRANSCO's estimates, to approve new and additional capital expenditure during the coming period.	TSTRANSCO, being a STU, is obligated to provide evacuation facility to upcoming generating stations. Since TSGENCO has already taken up construction of the KTPS stage-VII (1X800MW), Bhadradri TPS (4X270MW) by placing orders on BHEL for supply of plant equipment and balance of plant equipment, the TSTRANSCO has to erect the 400 KV Transmission lines & sub-stations before the commissioning of the Generating stations. As the erection of Transmission lines is a herculean task due to many ROW issues/Land acquisitions/clearaness/from Local authorities/Railway crossing etc., This activity has to be started at first irrespective of the Plant's commissioning, otherwise DISCOMs will be liable to pay compensation to Generating stations for non-evacuation of Power. The capacity of NCE projects as Projected by DISCOMs have been considered.
	3. TSTRANSCO lists 11 lift irrigation schemes (LIS) at 400KV level and 4 LIS at 220KV level as coming up during 2016-17 and 2017-18. But these plants do not figure in TSDISCOMs' estimation of power requirement by LIS during the ensuing year. Some of the LIS units may not come up at all. Power Transmission Lines meant for these LIS must be taken up based on ground situation. Otherwise expenditure on these Transmission Lines and Substations will become dead investment, burdening electricity consumers in the State. More than 50% of the capital investment during 2017-18 is planned to be spent on LIS related Transmission works. This magnitude of investment on LIS related transmission works demands critical scrutiny.	a) In ARR Filings TSTRANSCO lists only 7 Nos. Lift Irrigation Schemes at 400kV level and 3 Nos. LI Schemes at 220kV Level and 9 Nos. LI Schemes at 132 kV Level that are coming up during 2016-17 to 2018-19. Out of these LI Schemes, works were completed in respect of BhaktaRamadasu LIScheme in Khammam Dist., 11kV XLPE cable works at Gangadhara SS in KarimNagar Dist. Most of the LI Scheme works are awarded and under progress. b) The pump house works of all LI Schemes are commenced by I&CAD Dept., GOTS. and are under progress. c) The construction of 400/220kV Asupaka SS under Indira Sagar Rudramakota LIS was taken up before bifurcation of the State and the works are completed.
	4.TSTRANSCO's ARR and tariff filing lists a large number of substations at different voltage levels as coming up in different parts of the State. The commission has to assess whether this many new substations are needed to evacuate and transmit power during the remaining part of the 3rd control period.	TSTRANSCO proposed the substations as per the load growth assessed by Discoms and anticipated generation evacuation schemes.

Sl. No.	Summary Objection	Response
	5. While TSTRANSCO estimated the Transmission capacity during 2017-18 at 14,376 MW TSDISCOM's estimated the Transmission capacity at 14,012 MW during this period. Difference in estimates between the two agencies need to be taken into account.	TS DISCOMs considered the Transmission requirement capacity as per the MYT order issued by united APERC. TSTRANSCO re-assessed the same as per the latest Load Projections given by Discoms.
	6. In the background of the above issues the capital expenditure along with related expenditures like return on equity, interest burden and depreciation claimed by TSTRANSCO need to be reviewed. The expenditures quoted by TSTRANSCO are not necessary and allowing TSTRANSCO proposals as it is will unnecessarily burden electricity consumers in the State.	Under purview of Hon'ble Commission.
	7. Non-transparent erection of substations, high voltage transmission towers and drawing of high voltage transmission lines is leading to consternation among farmers from whom huge chunks of land is being acquired for these installations. Farmers are not being compensated adequately, as allowed under the existing rules and regulations. Farmers are being made to run from pillar to post to claim their legitimate compensation. The Central Government rules have empowered the Commission to see that farmers get adequate compensation within time. The Commission is requested to see that farmers are not harassed and that they get their compensation at the earliest.	The compensation to the land owners during the execution of Transmission lines construction are being paid as per the assessment made by the Revenue Authorities.

Sl. No.	Summary Objection	Response																		
	P.Chandrakanth Sharma, Management Consultant & Advocate, #1-1-259/A/101, P.G.R. Lake View Towers & NIT-KUC 100' By Passroad, Waddepalli, Haanamkonda-506370, Dist. Warangal.																			
1	<p>In the advt. cited above, your proposal for two years (2017-19) is mentioned. If a tentative estimate for the year 2016-17 is also printed, it could have helped in proper comparison. Now we don't know the figures for the current Financial Year(2016-17). The financial support needed for the two years is as follows (K)</p> <p>2017-18=Rs.1487.32 crores (see below table)</p> <p>2018-19=Rs.1994.03 crores (see below table).</p> <p>Is it correct? It needs cross checking. Kindly consider section 42 (Duties of distribution licensee and open access) of the Electricity Act 2003 while taking a decision on these proposals.</p> <table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 15%;">Year</th> <th style="text-align: center; width: 35%;">2017-18</th> <th style="text-align: center; width: 35%;">2018-19</th> </tr> </thead> <tbody> <tr> <td>Transmission Charges (X) Crores</td> <td style="text-align: right;">14376X1000X9406=Rs.135.23 crores</td> <td style="text-align: right;">15021X1000X120.68=Rs.181.28</td> </tr> <tr> <td>(Figures from advt ARR) (Y)</td> <td style="text-align: right;">Rs.1622.65 crores</td> <td style="text-align: right;">Rs.2175.31 crores</td> </tr> <tr> <td>(x/y)x100</td> <td style="text-align: right;">$\frac{135.23 \times 100}{1622.65} = 8.33\%$</td> <td style="text-align: right;">$\frac{181.28 \times 100}{2175.31} = 8.33\%$</td> </tr> <tr> <td>Y-X=K</td> <td style="text-align: right;">1622.65</td> <td style="text-align: right;">2175.31</td> </tr> <tr> <td>(Financial Support needed)</td> <td style="text-align: right;">1622.65-135.23 =Rs.1487.32 crores</td> <td style="text-align: right;">2175.31-181.28 = Rs.1994.03 crores</td> </tr> </tbody> </table> <p>Transmission capacity is going to increase from 14376 MW (2017-18) to 15021 MW (2018-19). An increase of 4.48%.</p> <p>But the proposal for increase in transmission charges in the same period Rs.94.06/kw/month to Rs.12068, an increase of 28.3% when capacity utilisation improves, the transmission charges should come down. How so much increase?</p>	Year	2017-18	2018-19	Transmission Charges (X) Crores	14376X1000X9406=Rs.135.23 crores	15021X1000X120.68=Rs.181.28	(Figures from advt ARR) (Y)	Rs.1622.65 crores	Rs.2175.31 crores	(x/y)x100	$\frac{135.23 \times 100}{1622.65} = 8.33\%$	$\frac{181.28 \times 100}{2175.31} = 8.33\%$	Y-X=K	1622.65	2175.31	(Financial Support needed)	1622.65-135.23 =Rs.1487.32 crores	2175.31-181.28 = Rs.1994.03 crores	<p>The financial figures for FY 2016-17 are not given as the Financial Year is not yet completed. Investment Proposals in Transmission system are submitted to Hon'ble Commission duly considering the further load growths but not merely considering 1 year period. Further, additional load growth requires additional transmission capacity provision, which in-turn requires additional investments. Hence, there will be higher Transmission charges.</p>
Year	2017-18	2018-19																		
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2	<p>There should be an integrated approach for deciding these tariffs. The three companies Genco, Transco and Discoms shouldn't put up individual versions. They should present a mutually agreed total figure. The customer pays only to the Discoms. The Discom tariff includes share of T Transco and T Genco.</p>	<p>Power Procurement by TSDISCOMs are mostly from TSGENCO stations, central generating stations and other Private Generators. CAPEX Plans will be different for GENCO/TRANSCO/DISCOMs. However, the Commission examines all these issues while finalising ARR/Tariff proposals.</p>																		
3	<p>Power Stations of T Genco have got a history of excellent performance. They can continue to get more laurels. Excellence of Discoms can help in attracting entrepreneurs.</p>	<p>Noted.</p>																		
4	<p>Discoms are procuring the energy through open access. The three companies should present the proposals on zero base, but not incremental method. We can use the figures of 2014-15 because they are audited. Provisional figures of 2016-17 may please be mentioned.</p>	<p>Open Access is meant for consumers opting to Procure power from other than DISCOMs.</p>																		
5	<p>We reproduce a sentence from the recent news letter of Institution of Engineers (Vol66, No.8 page 1). "The required tariff for solar power has dropped recently to Rs.4.4/kwh from Rs.12.5/kwh-a 65% decline".</p>																			

6	In wind power also, there is decline of tariffs. In such a situation, we have to pass some benefit to consumers also. Hence, we propose to have one of the following alternatives for tariff(2017-19) which can be accepted by consumers & peoples representations.	
A.	No change in Tariff in next 2 years (2017-18 & 2018-19)	Tariff issue. Under perview of ERC.
B.	Marginal reduction, say 5%, for lowest slab, say upto 100 kwh/month because, there is decline in energy prices.	
7	Any one of these two alternatives can bring following benefits.	
	i) Customers are satisfied	Under perview of ERC.
	ii)Subsidy burden on Govt, will come down	
	iii)Telangana Discoms can have very good image and appreciation from financial institutions.	
8	If you need, I can assist you in detailed working of the figures and try for making these as most conspetitives Discoms in the country.	Under perview of ERC.
9	I don't have any intention to criticise or collaborate with protestors. I take this asan opportunity to help Telangana electrical system to be economically sound, safe and admirable role model. Please don't increase.	Under perview of ERC.