

MARCH - 2017

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# NEWS & NOTES

## PART – I

### I. GENERATION / RELIEF PARTICULARS:

The Generation / Relief particulars for the month of March 2017 were as follows:

Sl.No.	Particulars	In Million Units
I.	<b>TNEB GENERATION (Gross)</b>	
	Hydro	144.169
	Thermal	2410.580
	Gas	157.693
	Wind	0.300
	<b>TNEB TOTAL</b>	<b>2712.742</b>
II	<b>NETT PURCHASES FROM CGS</b>	<b>3059.720</b>
III	<b>PURCHASES</b>	
	IPP	178.821
	Windmill Private	244.715
	CPP, Co-generation & Bio-Mass (Provisional)	107.000
	Solar (Private)	222.264
	Through Traders (nett purchase)	2369.968
	<b>TOTAL PURCHASES</b>	<b>3122.769</b>
IV	Total Wheeling Quantum by HT consumers	<b>543.718</b>
	Power Sale by Private Generators (Exchange)	11.962
	Power Sale by Private Generators (Bilateral)	<b>(-) 45.944</b>
V	<b>TOTAL (TNEB Own Gen+Purchase + wheeling quantum)</b>	<b>9404.966</b>
VI	Load shedding & Power cut relief (Approx)	0
VII	Less energy used for Kadamparai pump	42.165
	Less Aux. consumption for Hydro, Thermal & Gas	200.438
VIII	<b>AVERAGE PER DAY REQUIREMENT</b>	<b>303</b>
IX	<b>DETAILS OF NETT PURCHASES FROM CGS &amp; OTHER REGIONS:</b>	
	Neyveli TS-I	305.542
	Neyveli TS-I Expansion	119.779
	Neyveli TS-II Expansion	34.691
	NTPL	192.672
	Neyveli TS-II Stage-1	102.881
	Neyveli TS-II Stage-2	145.626
	MAPS APS	159.675
	Kaiga APS	131.812
	Kudankulam NPCIL Unit 1 & 2	447.756
	Ramagundam NTPC (Stage 1 & 2)	342.318
	Ramagundam NTPC (Stage 3)	91.751
	Eastern region	22.424
	Talcher Stage-II NTPC	319.452
	Simhadri Stage-II NTPC	123.279
	Vallur NTECL	639.782
	Solar bundled NVVN Power from NTPC stations	3.279
	Inter State Deviation Settlement Mechanism (Provisional)	<b>(-) 120.000</b>
	Intra State Deviation Settlement Mechanism (Provisional)	<b>(-) 3.000</b>
	<b>TOTAL NET PURCHASES</b>	<b>3059.720</b>

**X DETAILS OF PURCHASES FROM IPPs**

PPN Power Generating Company Pvt. Ltd.,	(-) 0.427
TAQA Neyveli Power Company Pvt. Ltd., (STCMS)	113.192
Lanco Tanjore Power Company Ltd., (ABAN)	36.346
Pioneer Power Ltd., (Penna)	29.710
<b>TOTAL</b>	<b>178.821</b>

**XI DETAILS OF OTHER PURCHASES**

Through Traders	2369.968
CPPs	10.000
Co-generation	95.000
Bio-Mass	2.000
Wind Mill (Pvt.)	244.715
Solar (Pvt.)	222.264
<b>TOTAL</b>	<b>2943.947</b>
<b>XII SWAP POWER RETURN / BANKING BY TNEB</b>	<b>0.000</b>

<b>XIII</b>	<b>Maximum Sustained Grid demand met in MW/Date</b>	<b>14584</b>	<b>29.03.2017</b>
	<b>Maximum consumption reached in M.U./Date</b>	<b>325.357</b>	<b>30.03.2017</b>

**XIV. STORAGE POSITION:**

The Storage equivalent in M.U.as on **01.03.2017** is compared with that of the storage equivalent as on the same day last year as below (Figs. In MU):-

<b>Sl. No.</b>	<b>Name of the Group</b>	<b>As on 1<sup>st</sup> of the month this year (2017)</b>	<b>As on 1<sup>st</sup> of the month previous year (2016)</b>	<b>Difference</b>
1.	Nilgiris	364.063	659.724	(-)295.661
2.	P.A.P.	47.516	62.857	(-) 15.341
3.	Periyar	1.600	3.200	(-) 1.600
4.	Papanasam & Servalar	3.631	18.337	(-) 14.706
5.	Suruliyar	3.450	13.902	(-) 10.452
6.	Kodayar	53.064	123.226	(-) 70.162
7.	<b>Total Excluding Mettur</b>	<b>473.325</b>	<b>881.246</b>	<b>(-)407.921</b>
8.	For Mettur	1.950	27.990	(-) 26.040

Superintending Engineer/LD & GO.

**PERFORMANCE OF THERMAL STATIONS FOR MARCH 2017.****i) TUTICORIN TPS (5 x 210 MW):**

The details of generation at Tuticorin T.P.S. during March 2017 were as follows:

	Unit	Availability Factor (%)	Generation in MU	Plant Load Factor (%)
I	(210 MW)	34.0	46.46	29.70
II	(210 MW)	7.9	11.29	7.20
III	(210 MW)	72.2	104.55	66.90
IV	(210 MW)	70.7	103.22	66.10
V	(210 MW)	80.9	119.54	76.50
	<b>STATION</b>	<b>53.2</b>	<b>385.06</b>	<b>49.3</b>

**ii) METTUR TPS - I (4 x 210 MW):**

The details of generation at Mettur T.P.S. during March 2017 were as follows:

	Unit	Availability Factor (%)	Generation in MU	Plant Load Factor (%)
I	(210 MW)	100.00	156.485	100.16
II	(210 MW)	100.00	156.545	100.20
III	(210 MW)	100.00	144.885	92.73
IV	(210 MW)	100.00	144.907	92.75
	<b>STATION</b>	<b>100.00</b>	<b>602.822</b>	<b>96.46</b>

**iii) NORTH CHENNAI TPS - I (3 x 210 MW):**

The details of generation at North Chennai T.P.S. during March 2017 were as follows:

	Unit	Availability Factor (%)	Generation in MU	Plant Load Factor (%)
I	(210 MW)	66.03	92.880	59.45
II	(210 MW)	99.56	147.035	94.11
III	(210 MW)	91.28	134.435	86.04
	<b>STATION</b>	<b>85.62</b>	<b>374.350</b>	<b>79.87</b>

**V) METTUR TPS - II (1 x 600 MW):**

The details of generation at Mettur T.P.S.-II during March 2017 were as follows:

	Unit	Availability Factor (%)	Generation in MU	Plant Load Factor (%)
I	(600 MW)	100.00	345.64	77.43
	<b>STATION</b>	<b>100.00</b>	<b>345.64</b>	<b>77.43</b>

**VI) NORTH CHENNAI TPS - II (2 x 600 MW):**

The details of generation at North Chennai T.P.S.-II during March 2017 were as follows:

	Unit	Availability Factor (%)	Generation in MU	Plant Load Factor (%)
I	(600 MW)	83.40	302.814	67.83
II	(600 MW)	100.00	399.894	89.58
	<b>STATION</b>	<b>91.70</b>	<b>702.708</b>	<b>78.71</b>

**GENERAL :**

S.No.	Details	T.T.P.S.	M.T.P.S.-I	N.C.T.P.S.-I	M.T.P.S.-II	N.C.T.P.S.-II
1.	Specific Coal Consumption (Kg./kwhr.)	0.735	0.642	0.680	0.626	0.690
2.	Specific Oil Consumption (ml/kwhr.)	2.140	0.000	0.720	0.0353	1.660
3.	Auxiliary Consumption (%)	8.37	8.32	8.78	6.80	6.68

\* - Mill rejects excluded

**Note : ETPS**

1. Board of TANGEDCO has accorded approval vide (Per) FB TANGEDCO Proceedings No. 70 (Tech.Br) dated 04.07.2013 to keep Unit V under permanent shutdown till the decommissioning of the Station and Unit was shutdown from 06.03.2012.

2. vide (Per) FB TANGEDCO Proceedings No. 72, (Tech.Br) dt.31.10.16, the Board of TANGEDCO has resolved to shutdown the Units (Units I to IV) permanently from 31.03.2017.

3. Coal supply was stopped from 05.11.2016 and subsequently generation of ETPS was stopped from 20-31 hours on 16.11.2016.

Superintending Engineer/Betterment Thermal.

**COAL PARTICULARS FOR MARCH 2017 :**

S.No.	Particulars	TTPS.	MTPS. I	M.T.P.S. II (1x600 MW)	NCTPS. I	NCTPS. II (2x600 MW)	ETPS.
		(in lakh tonnes)					
1.	Coal to be supplied (*) (Ind. coal)	4.60	3.68	2.05	2.77	4.11	1.55
2.	Coal receipt (Ind. coal)	2.78	3.09		3.19		--
	(Imp coal)	1.06	1.66		0.86		--
	(SCCL coal)	--	1.44		--		--
3.	Coal consumption (Ind. coal)	2.28	2.14	0.79	2.06	3.23	--
	(Imp coal)	0.54	1.29	0.87	0.49	1.59	--
	(SCCL coal)	--	0.45	0.49	--		--
4.	Coal stock as on (Ind. coal)	3.24	0.32	0.77	0.61		0.66
	31.03.2017 (Imp coal)	2.06	0.19	0.87	0.39		--
	(SCCL coal)	--	0.49	0.46	--		--

(\*) As per Fuel Supply Agreement signed by TANGEDCO with MCL &amp; ECL.

**Note:** Ind coal - Indigenous coal , imp coal - Imported coal SCCL coal : Singareni coal collieries Ltd., coal.

Superintending Engineer/M/Coal.

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**STATEMENT-A**  
STATEMENT SHOWING THE DETAILS OF POSTS CREATED DURING THE MONTH OF MARCH 2017.

Sl. No.	Reference in which the posts were Created	Name of the Circle	Class / Cadre	Name of the Post	No. of Post	Purpose	Period
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	(Per.) CMD TANGEDCO Pro. No.33, (Adm.Br) Dt.02.03.2017	Generation Circle/ Kadamparai	Cl.III-Pro.	Head D'man	1	Upgradation of one post of Senior D'man as Head D'man in Gen. Circle/ Kadamparai.	For a period of one year from the date of utilisation of posts.
2.	(Per.) CMD TANGEDCO Pro. No.57, (S.B.) Dt.02.03.2017	Generation Circle/ Kundah	Cl.I-Tech.	EE/ Electrical	1	Upgradation of one post of AEE/ Elec. as EE/ Electrical in Gen. Circle/ Kundah to accommodate Thiru. B.Haldorai, EE/PH-II/ Kundah.	For a period upto the date on which the pre-sent incumbent of the post gets relieved/ retired.
3.	(Per.) CMD TANGEDCO Pro. No.37, (Adm.Br) Dt.07.03.2017	Vellore EDC	Cl.II-Tech. Cl.III-Pro. Cl.III-RWE  Cl.IV-RWE	AE/JE/EI. I Gr. JE/Elect. II Gr. FM I Grade Line Inspector Wireman FA/ Mazdoor	1 4 1 2 1 2 <hr/> 11	Creation of posts to the upgraded existing Punnai 33/11 KV SS into 110/ 33-11 KV (NG) SS in Vellore EDC.	For a period of one year from the date of utilisation of posts.
4.	(Per.) CMD TANGEDCO Pro. No.39, (Adm.Br) Dt.09.03.2017	Udumalpet EDC	Cl.II-Tech. Cl.III-Pro. Cl.III-RWE  Cl.IV-RWE	AE/JE/EI. I Gr. JE/Elect. II Gr. FM I Grade Line Inspector Wireman FA/ Mazdoor	1 4 1 2 1 2 <hr/> 11	Creation of posts to the newly formed 110/22 KV (NG) SS at Selam palayam in Udumalpet EDC.	For a period of one year from the date of utilisation of posts.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
5.	(Per.) CMD TANGEDCO Pro. No.65, (S.B) Dt.09.03.2017	CE/ Projects/ Chennai	Cl.I-Tech.	CE/ Electrical (Designated as CE/Projects-II/ Chennai)	1	Consequent on the bifurcation of the existing office of the CE/Projects/ Chennai.	For a period upto 28.02.2018 from the date of utilisation of post.
6.	(Per.) CMD TANGEDCO Pro. No.69, (S.B) Dt.18.03.2017	Krishnagiri, Kallakurichi & Thiruvavur EDCs.	Cl.III-Pro.	Assistant Programmer	3	Formation of separate IT Division in newly formed Circles.	For a period upto 28.02.2018 from the date of utilisation of posts.
7.	(Per.) CMD TANGEDCO Pro. No.76, (S.B) Dt.24.03.2017	NCTPS-I	Cl.III-Pro.  Cl.IV-Pro.	JE/Civil II Gr. JA (Adm.) Pharmacist Nursing Orderly	1 1 1 2 <hr/> 5	Creation of posts for smooth functioning of NCTPS-I/ Chennai.	For a period of one year from the date of utilisation of the posts.
8.	(Per.) CMD TANGEDCO Pro. No.43, (Adm.Br) Dt.25.03.2017	Namakkal EDC	Cl.II-Tech. Cl.III-Pro. Cl.III-RWE  Cl.IV-RWE	AE/JE/El. I Gr. JE/Elect. II Gr. FM I Grade Line Inspector Wireman FA/ Mazdoor	1 4 1 2 1 2 <hr/> 11	Creation of posts to the newly formed 110/22 KV (NG) SS at Metala in Namakkal EDC	For a period of one year from the date of utilisation of the posts.
9.	(Per.) CMD TANGEDCO Pro. No.78, (S.B) Dt.25.03.2017	P&C/ Chennai	Cl.II-Tech.	JE/El. I Gr.	1	Upgradation of one post of JE/Elect. II Grade as JE/ Elect. I Grade in CE/ P&C/ Chennai to accommodate Thiru M.Pandian on his promotion.	For a period upto the date on which the pre- sent incumbent of the post gets relieved/ retired.

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
10.	(Per.) FB TANGEDCO Pro. No.2, (S.B) Dt.28.03.2017	1x800 MW North Chennai Supercritical TPP Stage III	CI.I-Tech.  CI.II-Tech.  CI.III-Pro. CI.IV-Pro.	SE/Civil Fin. Controller EE/ Civil EE/ Mechl. EE/ Elecl. AEE/ Civil AEE/ Mechl. AEE/ Electrical AE/ Civil AE/ Mechanical AE/ Electrical Steno-Typist Office Helper	1 1 1 1 1 2 2 2 2 2 2 1 2 20	Creation of 20 posts for 1x800 MW North Chennai Supercritical Thermal Power Project Stage-III by cancelling the diversion order for Ennore SEZ TPP/ Chennai.	For a period upto 28.02.2018 from the date of utilisation of the posts.
11.	(Per.) CMD TANGEDCO Pro. No.80, (S.B) Dt.30.03.2017	Distribution Region Offices	CI.II-Accts.	Chief Stores Officer	9	Creation of 9 posts of Chief Stores Officers to look after the works related to Stores materials handled in the Circles and the disposal of scrap and obsolete item in the respective Regions.	For a period of one year from the date of utilisation of the posts.

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**STATEMENT-B**

**STATEMENT SHOWING THE DETAILS OF POSTS ABOLISHED DURING THE MONTH OF MARCH 2017.**

Sl. No.	Reference in which the posts were abolished	Name of the Circle	Class / Cadre	Name of the Post	No. of Post	Purpose	Period
1.	(Per.) CMD TANGEDCO Pro. No.33, (Adm.Br) Dt.02.03.2017	Generation Circle/ Kadamparai	Cl.III-Pro.	Senior D'man	1	Upgradation of one post of Senior D'man as Head D'man in Gen. Circle/ Kadamparai.	With immediate effect.
2.	(Per.) CMD TANGEDCO Pro. No.57, (S.B) Dt.02.03.2017	Generation Circle/ Kundah	Cl.II-Tech.	AEE/ Electrical	1	Upgradation of one post of AEE/ Elecl. as EE/Electrical in Gen. Circle/Kundah to accommodate Thiru. B.Haldorai, EE/PH-II/ Kundah.	With immediate effect.
3.	(Per.) CMD TANGEDCO Pro. No.78, (S.B) Dt.25.03.2017	P&C/ Chennai	Cl.III-Pro	JE/El. II Gr.	1	Upgradation of one post of JE/Elecl. II Grade as JE/Elecl. I Grade in CE/P&C/Chennai to accommodate Thiru M.Pandian on his promotion.	With immediate effect.
4.	(Per.) CMD TANGEDCO Pro. No.80, (S.B) Dt.30.03.2017	Distribution Region Offices	Cl.II-Accts.	Stores Officer	9	Consequent on creation of 9 posts of Chief Stores Officer in each Distribution Regional Office.	With immediate effect.

Chief Engineer/Personnel

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# GENERAL ADMN. & SERVICES

## PART – II

Letter No.12146/A7/A71/2017-1 (BOSB) dt.06.03.2017

Sub: Establishment – Appointment of Director (Projects)/  
TANGEDCO – Assumption of charge – Intimation –  
Regarding.

Ref: G.O.(D) No.5, Energy (B2) Department, dt.03.03.2017.

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I am directed to inform that in pursuance of the orders issued in the reference cited Tmt. S. Geetha, Chief Engineer/Private Power Projects has assumed charge as Director (Projects)/ TANGEDCO on 03.03.2017 F.N. Her office address and residential address along with telephone numbers are as indicated below: -

OFFICE ADDRESS	RESIDENTIAL ADDRESS
Tmt. S. Geetha, B.E., (Hons) M.E., MIE., Director (Projects)/ TANGEDCO 10 <sup>th</sup> Floor, NPKRR Maaligai, 144, Anna Salai, Chennai-600 002. Off. Phone No: 044-28552708 Tele Fax No: 044-28552708 E-Mail directorprj@tnebn.net.org Mobile No.9445851888	Tmt. S. Geetha, B.E., (Hons) M.E., MIE., D1-109, Parameshwaran Vihar, 67, Arcot Road, Saligramam, Chennai -600 093. Phone No.044-48501952 Mobile No. 9445851888.

R. Balaji,  
Secretary.

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குறிப்பாணை எண். 13106/அ.32/அ322/2017, (கணக்குக்கினை பிரிவு) நாள் 22.03.2017.

பொருள் : தமிழ்நாடு மின் உற்பத்தி மற்றும் பகிர்மான கழகம் மற்றும் தமிழ்நாடு மின் தொடரமைப்பு கழகம் – மார்ச் 2017 ஆம் மாதத்திற்கான சம்பள பட்டுவாடா 03.04.2017 அன்று வழங்கிட ஆணை பிறப்பிக்கப்படுகிறது.

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இந்த ஆண்டு 01.04.2017 அன்று வங்கிகள் விடுமுறையாக (வங்கி ஆண்டு கணக்குகள் முடிவு) இருப்பதாலும், மற்றும் 02.04.2017 ஞாயிற்றுக்கிழமை விடுமுறையாக இருப்பதாலும், தமிழ்நாடு மின்உற்பத்தி மற்றும் பகிர்மான கழகம் மற்றும் தமிழ்நாடு மின் தொடரமைப்பு கழக அனைத்துப் பிரிவு ஊழியர்களுக்கும் மார்ச் 2017- ஆம் மாதத்திற்கான சம்பளப்பட்டுவாடா 03.04.2017 அன்று வழங்கப்பட வேண்டும் என ஆணை பிறப்பிக்கப்படுகிறது.

(தலைவர் மற்றும் மேலாண்மை இயக்குனரின் ஆணைப்படி)

R. பாலாஜி,  
செயலர்.

\* \* \*

Memo.(Per) No.65984/A3/A31/2016-1, (BOSB) Dated: 23.03.2017.

Sub : TANGEDCO – Establishment – Class I & II Service – Powers to sanction Movement to Selection Grade– Orders– Issued.

Ref : i) (Per.) B.P.MS.No.288 (Secretariat Branch) Dt.03.12.79.

ii) Memo.No.066958/747/E7(2)89-1, (Adm.Br) dated 04.07.1989.

iii) (Per.) B.P.(FB) No.11(SB), dated 08.02.2006.

iv) (Per.) B.P.(Ch) No.223&224 (SB) dated 21.11.2009.

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In the Board's Proceedings first cited, orders were issued allowing movement to Selection Grade to the employees of Board on completion of 10 years of service in the same post. Subsequently, the 10 years of service was reduced as 9 years for allowing movement to Selection Grade.

2. In Board's Memo second cited, orders were issued among other things delegating the powers of sanction of movement to Selection Grade to the Assistant Executive Engineers to the Chief Engineers concerned.

3. In the Board's Proceedings third cited, orders were issued revising the Selection Grade scale of pay with effect from 01.12.2002 to the categories mentioned therein and allowing Selection Grade scales upto the level of Executive Engineers and equivalent categories. Subsequently, in the Board's Proceedings fourth cited, orders were issued modifying the method of fixation on movement to Selection Grade on and from 01.12.2007.

4. A point of clarification has arisen whether authority to sanction movement to Selection Grade to the Executive Engineers and Assistant Executive Engineers are the Superintending Engineers concerned or otherwise.

5. After careful consideration, it is hereby ordered that the appointing authorities shall be the authorities to order movement to Selection Grade. Accordingly, the authority to order movement to Selection Grade to the Assistant Executive Engineers is the Chief Engineers concerned and the authority to order movement to Selection Grade to the Executive Engineers and equivalent categories is the Secretary/TANGEDCO, Secretariat Branch.

(By Order of the Chairman - cum - Managing Director)

R. Balaji,  
Secretary.

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Memo.No.14734/A9/A92/2017-1, (BOSB) Dated: 24.03.2017.

Sub : RBI – Circulation of Rs.10/- coins in Tamil Nadu – Instructions - Issued – Regarding.

Ref : i) From the Regional Director for Tamil Nadu & Puducherry, Reserve Bank of India, Chennai-01, D.O.No.RBI.Cy.Res/4844/06.08.004/2016-17, dt:07.02.2017.

ii) From the Additional Chief Secretary to Govt, Finance (Res.II) Dept., Secretariat, Chennai-9, Letter No.299/FS-T/Res.II/2017-1, dt:06.03.2017.

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In the reference first cited, the Regional Director for Tamil Nadu and Puducherry, Reserve Bank of India has stated that the public utility service providers in Tamil Nadu are reluctant to accept Rs.10/- coins which is discouraging people from using these coins for their daily needs. It is also stated that acceptance of Rs.10/- coins by the public utilities will go a long way in creating a sense of confidence among the public and put an end to the rumours.

2. Hence, the Chief Engineers and Superintending Engineers and other Officers of TANGEDCO / TANTRANSCO and TNEB Limited are hereby instructed to give suitable instructions to their Sub-ordinates under your control in the cash collection centre to accept Rs.10/- coins from the public. The above instructions should be followed scrupulously.

(By Order of the Chairman - cum - Managing Director)

R. Balaji,  
Secretary.

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Memo.(Per)No.16939/A22/A222/2017-1, (BOSB) Dated: 31.03.2017.

Sub : Establishment - TANGEDCO – Financial Controllers –  
Reallocation of works – Orders - Issued.

Ref : i) G.O. (Ms) No.103 Energy (B2) Department,  
dated 11.12.2009

ii) Chairman-cum-Managing Director/ TANGEDCO Note  
dated 31.03.2017.

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Thiru. D.Suresh Kumar, Financial Controller/Coal and Company Secretary/ TANTRANSCO(a/c) shall be designated as Company Secretary/ TANTRANSCO and look after the works relating to Company Secretary/ TANTRANSCO full time.

2. The works relating to Financial Controller/Coal, Office of the Superintending Engineer/Coal dealt with by Thiru. D.Suresh Kumar will henceforth be looked after by Thiru. T.Renganathan in addition to Financial Controller/Coal Handling, Office of the Chief Engineer/Mechanical/Coal/Chennai-2.

3. The orders shall take immediate effect.

(By Order of the Chairman - cum - Managing Director)

R. Balaji,  
Secretary.

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# FINANCE

## PART – III

TANTRANSCO – Financial assistance of Rs.348.12 Crores for 40 Nos. Transmission scheme under P:SI (Trans) category sanctioned by Power Finance Corporation Ltd., (PFC Ltd.,) New Delhi – Acceptance of Loan – Approved by the Borrowing Committee – Orders Issued.

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(Accounts Branch)

(Per.) CH TANTRANSCO Proceedings No. 2

Dated the 1<sup>st</sup> March 2017.

Maasi 17, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

- 1) PFC/No.03/29/TANTRANSCO/ Coimbatore-Schemes(1-6)/Vol-I/36203064/043009/Dt.20.10.2016.
- 2) PFC/No.03/29/TANTRANSCO/Salem - Schemes (1-5)/Vol-I/36203065/043031/Dt.25.10.2016.
- 3) PFC/No.03/29/TANTRANSCO/Thiruvalam-Schemes (1-4)/Vol-I/36203066/043586/Dt.22.11.2016.
- 4) PFC/No.03/29/TANTRANSCO/Trichy-Schemes (1-7)/Vol-I/36203067/043594/Dt.22.11.2016.
- 5) PFC/No.03/29/TANTRANSCO/Villupuram Schemes(1-2)/Vol-I 36203068/044164/Dt.15.12.2016.
- 6) PFC/No.03/29/TANTRANSCO/Salem OC/Vol-I/36203069/044165/Dt.15.12.2016.
- 7) PFC/No. 03/29/TANTRANSCO/Coimbatore-Schemes (1-6)/Vol-I/36203070/044273/Dt.20.12.2016.
- 8) PFC/No. 03/29/TANTRANSCO/Thiruvalam OC/Vol.I/36203072/045265/Dt.24.1.2017.
- 9) PFC/No. 03/29/TANTRANSCO/Trichy OC/Vol-I/36203073/045263/Dt.24.1.2017.
- 10) Approved by Borrowing Committee on 23.02.2017.

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### PROCEEDINGS:

The Power Finance Corporation Ltd., (PFC Ltd.,) New Delhi has sanctioned financial assistance to TANTRANSCO Ltd., for 40 Nos. Transmission scheme under P:SI (Trans) Category in Tamil Nadu for a total amount of Rs.348.12 Crores (Rupees Three hundred and forty eight crore twelve lakhs in respect of the following 40 Transmission Schemes, with repayment of loan in sixty equal quarterly installments and payment of interest on the said loan at the rate of interest prevailing on the date of each disbursement vide in their sanction letters Dt.20.10.2016, 25.10.2016, 22.11.2016, 15.12.2016, 20.12.2016, 24.1.2017 and the Terms and Conditions stipulated thereon.

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction	Total Estimated Cost (Rs. In Crs)	Sanctioned amount 80% (Rs. In Crs.)
(1)	(2)	(3)	(4)	(5)	(6)
1	3260-3064	Introduction of 110/33 KV ratio with 16 MVA, 110/33 KV Power Transformer at Sellappampalayam 110/11 KV Sub-Station in Coimbatore Operation Circle.	20.10.16	2.12	1.69
2		Establishment of Devanurpudur 110/22 KV Sub-Station at Sellappampalayam with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	6.93	5.54
3		Introduction of 110/33 KV ratio with 16 MVA, 110/33 KV Power Transformer at Nambiyur 110/11 KV Sub-Station in Coimbatore Operation Circle.	20.10.16	2.29	1.83
4		Establishment of Vanjipalayam 110/11 KV Sub-Station at Pudupalayam with 2x16 MVA, 110/11 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	9.21	7.36
5		Introduction of 110/33 KV Ratio with 10 MVA, 110/33 KV Power Transformer at Kalivelampatty 110/11 KV Sub-Station in Coimbatore Operation Circle	20.10.16	1.62	1.29
6		Establishment of 110/11 KV Sub-Station at Kadaiyur with 2x16 MVA, 110/11 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	6.49	5.20
7	3620-3065	Establishment of 110/11 KV Sub-Station III at SIPCOT, Perundurai, Erode with 2x16, 110/11 Power Transformer in Salem Operation Circle.	25.10.16	6.47	5.17
8		Establishment of Veerapandi 110/22 KV Sub-Station at Pethampatty with 3x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	8.91	7.13
9		Establishment of Thoppur 110/22 KV Sub-Station at Upparapatty Vellar Village with 2x16 MVA Power Transformer in Salem Operational Circle.	25.10.16	6.87	5.50
10		Establishment of Ettikuttaimedu 110/22 KV Sub-Station with 2x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	8.61	6.89
11		Establishment of 110/22 KV Sub-Station at Vendipalayam with 2x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	7.17	5.73

(1)	(2)	(3)	(4)	(5)	(6)
12	3620-3066	Upgradation of existing Uthangarai 33/11 KV Sub-Station to 110/33/11 KV Sub-Station with 2x25 MVA, 110/33 KV Power Transformer in Thiruvallam Operation Circle.	22.11.16	9.69	7.75
13		Establishment of 110/33-11 KV Sub-Station with 1x16 MVA, 100/33 KV & 2X16 MVA, 110/11 KV Power Transformers at Itchipudur in Thiruvallam Operation Circle.	22.11.16	12.75	10.20
14		Establishment of 110/33-11 KV Sub-Station with 1x25 MVA, 110/33 KV & 2X16 MVA, 110/11 KV Power Transformer at Pochampally SIPCOT in Thiruvallam Operation Circle.	22.11.16	10.79	8.64
15		Introduction of 110/33 KV Ratio by erecting 1x16 MVA, 110/33 KV Power Transformer at Paravakkal 110/11 KV Sub-Station in Thiruvallam Operation Circle.	22.11.16	2.15	1.72
16	3620-3067	Establishment of 110/33/11 KV Sub-Station at Perambur with 1x16 MVA, 110/33 KV and 2x8 MVA, 33/11 KV Power Transformers in Trichy Operation Circle.	22.11.16	7.71	6.17
17		Introduction of 110/33 KV ratio with 1x10 MVA, 110/33 KV Power Transformer at T.Nallur 110/11 KV Sub-Station in Trichy Operation Circle.	22.11.16	1.91	1.52
18		Establishment of 110/11 KV Sub-Station at Manikandam with 1x10 MVA Power Transformer in Trichy Operation Circle.	22.11.16	7.42	5.93
19		Establishment of 110/22 KV Sub-Station at Pudukurichy with 2x10 MVA, 110/22 KV Power Transformers in Trichy Operation Circle.	22.11.16	7.08	5.67
20		Establishment of 110/33/11 KV Sub-Station at Nidur with 1x16 MVA, 110/33 KV & 2x8 MVA, 33/11 KV Power Transformers in Trichy Operation Circle.	22.11.16	5.66	4.53
21		Establishment of 110/22 KV Sub-Station at Perali, with 2x10 MVA, 110/22 KV Power Transformers in Trichy Operation Circle.	22.11.16	5.34	4.27
22		Upgradation of existing Poraiyar 33/11 KV Sub-Station to 110/33/11 KV Sub-Station with 1x16 MVA, 110/33 KV Power Transformer in Trichy Operation Circle.	22.11.16	16.36	13.09
23	3620-3068	Establishment of 110/33/11 KV Sub-Station at Adari with 2x16 MVA, 110/33 KV Power Transformer and 1x8 MVA, 33/11 KV Power Transformer in Villupuram Operation Circle.	15.12.16	7.20	6.48

(1)	(2)	(3)	(4)	(5)	(6)
24	3620-3068	Establishment of 110/22 KV Sub-Station at Thirunavalur with 2x10 MVA, 110/22 KV Power Transformer in Villupuram Operation Circle.	15.12.16	13.13	11.82
25	3620-3069	Establishment of 110/11 KV Sub-Station at Pungampally with 2x16 MVA, 110/11 KV Power Transformers in Salem Operation Circle.	15.12.16	6.70	6.03
26	3620-3070	Establishment of 110/22 KV Sub-Station at Kuniamuthur with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.12.16	6.30	5.67
27		Establishment of Thalakarai (Muthur) 110/22 KV Sub-Station with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	17.77	16.00
28		Establishment of 110/22 KV Sub-Station at Selampalayam with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.12.16	12.17	10.95
29		Establishment of Malayadipalayam 110/11 KV Sub-Station at S.Ayyampalayam with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	12.83	11.54
30.		Upgradation of existing Poomalur 33/11 KV Sub-Station with 2x8 MVA Power Transformer into 110/11 KV Sub-Station with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	11.71	10.54
31.	36203070	Establishment of 110/22 KV Sub-Station at Gomangalampudur with 2x16 MVA, 110/22 KV Power Transformer in Coimbatore Operation Circle.	20.12.16	10.03	9.03
32.	36203072	Establishment of 110/11 kV Sub Station with 2x16 MVA, 110/11 kV Power Transformer at Kamandoddy in Thiruvallam Operation circle.	24.01.2017	8.03	7.32
33.		Establishment of 110/33-11 kV Sub Station with 1x16 MVA, 110/33 kV and 2x16 MVA, 110/11 kV Power Transformer at Sogathur in Thiruvallam Operation Circle.	24.01.2017	16.16	14.61
34		Establishment of 110/33 kV Sub Station with 2x16 MVA, 100/33 kV Power Transformer of Penneswaramadam in Thiruvallam Operation Circle.	24.01.2017	14.42	12.98
35.		Establishment of 110/33 kV Sub Station with 2x25 MVA, 110/33 kV Power Transformer at Thogarapally in Thiruvallam Operation Circle.	24.01.2017	20.39	18.43



(1)	(2)	(3)	(4)	(5)	(6)
36.	36203073	Upgradation of existing Koratty 33/11 kV Sub-Station to 110/33/11 kV Sub-Station with 2x16 MVA, 110/33 kV Power Transformer in Thiruvallam Operation circle.	24.01.2017	21.08	18.97
37.		Upgradation of existing Gandharvakottai 33/11 kV Sub-Station into 110/33/11 kV Sub-Station with 2x16 MVA, 110 kV Power Transformer in Trichy Operation Circle.	24.01.2017	15.99	14.39
38.		Establishment of 110/33/11 kV Sub-Station at Pakkudy with 2x16 MVA, 110x33 kV and 1x8 MVA, 33/11 kV Power Transformer in Trichy Operation Circle.	24.01.2017	15.63	14.26
39.		Establishment of 110/22-11 kV Sub-Station at Ammachatiram with 1x10 MVA, 110/11 kV Power transformers in Trichy Operation Circles.	24.01.2017	26.20	23.92
40.		Establishment of 110/22 kV Sub-Station at A.Mettur with 2x16 MVA, 110/22 kV Power Transformers in Trichy Operation Circle.	24.01.2017	13.74	12.37
				Total	348.12

## 2. TERMS AND CONDITIONS:

PFC Ltd., has sanctioned the financial assistance of Rs.348.12 Crores (Rupees Three hundred and forty eight Crores and twelve Lakhs only) to various 40 Transmission Schemes of TANTRANSCO as mentioned in their sanction letters Dt.20.10.2016, 25.10.2016, 22.11.2016, 15.12.2016, 20.12.2016, 24.1.2017 as in para-1 with same Terms and Conditions and the following Special Terms & Conditions.

## 3. PRE-COMMITMENT CONDITIONS:

1. TANTRANSCO to submit an undertaking to file the tariff petition for FY 2015-16 & FY 2016-17 and MYT tariff petition for third control period from FY 2016-17 to FY 2018-19 by 30<sup>th</sup> November 2016. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

2. TANTRANSCO shall submit an undertaking to obtain in principle approval from TNERC for the schemes covered in the subject proposal. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

3. TANTRANSCO shall submit an undertaking that the approval of TNERC to the proposed investment would be obtained and the same shall be submitted to PFC during the course of implementation of the project. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

4. TANTRANSCO shall submit an undertaking that any observation from TNERC about this project will be intimated to PFC. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

5. TANTRANSCO shall submit an undertaking that in case investment in the projects covered in this loan is not approved by TNERC, TANTRANSCO shall refund the entire amount disbursed in the project to PFC with interest within six months from TNERC's intimation regarding the same to TANTRANSCO. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

6. TANTRANSCO shall submit an undertaking that it will not make any investment in a scheme for which approval has been denied by TNERC. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

7. TANTRANSCO shall submit an undertaking that TANTRANSCO has not taken any financial assistance for the subject proposal from any other financial institutions other than PFC. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067).

8. TANTRANSCO shall give an undertaking that in the event of reduction of project cost by TNERC, the loan amount shall be reduced proportionally. (Loan No.3620-3064, 3620-3065, 3620-3066, 3620-3067, 3620-3068, 3620-3069, 3620-3070, 3620-3072 & 3620-3073).

9. a) For the following loan the special conditions along with the other conditions under the pre commitment conditions are envisaged by PFC as furnished here under: Loan No.3620-3064, 3065, 3066 and 3067.

The special conditions are as follows:

a) TANTRANSCO shall submit an undertaking to implement and adhere to the norms and any other additional terms and conditions mandated by statutory and/or regulatory agencies and obtain all applicable permits/clearances/approvals including forest clearance, if applicable as and when required during implementation and commissioning of the project.

b) TANTRANSCO shall submit an undertaking to acquire the land, if applicable for the proposed Sub-Station(s) in the name of TANTRANSCO for the project within six (6) months of first disbursement.

c) TANTRANSCO shall submit an undertaking that the Project land shall not be Mortgaged in favour of any other lenders and shall not be disposed-off during the currency of PFC loan, wherever applicable.

4) PRE-DISBURSEMENT CONDITIONS:

1. Security coverage (by the way of charge on asset) of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.

2. Escrow coverage of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.

3. TANTRANSCO shall clear all outstanding dues to PFC.

5) OTHER CONDITION:

1. TANTRANSCO shall file the tariff petition for FY 2015-16 & FY 2016-17 and MYT tariff petition for third control period from FY 2016-17 to FY 2018-19 BY 30<sup>th</sup> November 2016. (Loan No.3620-3066, 3620-3067)

2. TANTRANSCO shall file the tariff petition for FY 2015-16 & FY 2016-17 and MYT tariff petition for third control period from FY 2016-17 to FY 2018-19 BY 31<sup>ST</sup> December 2016. (Loan no.3620-3068, 3620-3069, 3620-3070, 3620-3072, 3620-3073)

3. TANTRANSCO shall complete the reconciliation of receivables and payables interse between TANGEDCO & TANTRANSCO and give effect to in its accounts for FY 2016-17. (Loan no.3620-3068, 3620-3069, 3620-3070, 3620-3072, 3620-3073)

4. Reimbursement of expenses incurred from 1<sup>st</sup> January 2014 shall be permissible. (Loan No.3620-3064, 3620-3067)

5. Reimbursement of expenses incurred from 1<sup>st</sup> January 2015 shall be permissible. (Loan no.3620-3068, 3620-3069, 3620-3073)

6. Reimbursement of expenses incurred from 1<sup>st</sup> April 2015 shall be permissible. (Loan No.3620-3066, 3620-3072)

7. Reimbursement of expenses incurred from 1<sup>st</sup> April 2014 shall be permissible. (Loan No.3620-3065 & 3620-3070)

6. After careful examinations, the Borrowing Committee of TANTRANSCO on behalf of the Board of Directors has approved on 23.02.2017 for the proposal of availment of the Financial assistance of Rs.348.12 Crore from PFC Ltd., along with their Terms and Conditions on the sanction letters mentioned thereon.

7. Borrowing committee of TANTRANSCO has also passed the following Resolutions.

### RESOLUTIONS

RESOLVED that the offer of Power Finance Corporation Ltd., providing the loan assistance of Rs.348.12 Crores (Rupees Three hundred and forty eight Crores and twelve Lakhs only) for the following 40 Nos. Transmission Schemes, towards Establishment/Upgradation of Sub-Stations and associated works at various EDCs of Tamil Nadu be accepted:

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction	Total Estimated Cost (Rs. In Crs)	Sanctioned amount 80% (Rs. In Crs.)
(1)	(2)	(3)	(4)	(5)	(6)
1	3260-3064	Introduction of 110/33 KV ratio with 16 MVA, 110/33 KV Power Transformer at Sellappampalayam 110/11 KV Sub-Station in Coimbatore Operation Circle.	20.10.16	2.12	1.69
2		Establishment of Devanurpudur 110/22 KV Sub-Station at Sellappampalayam with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	6.93	5.54
3		Introduction of 110/33 KV ratio with 16 MVA, 110/33 KV Power Transformer at Nambiyur 110/11 KV Sub-Station in Coimbatore Operation Circle.	20.10.16	2.29	1.83

(1)	(2)	(3)	(4)	(5)	(6)
4		Establishment of Vanjipalayam 110/11 KV Sub-Station at Pudupalayam with 2x16 MVA, 110/11 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	9.21	7.36
5		Introduction of 110/33KV Ratio with 10 MVA, 110/33 KV Power Transformer at Kalivelampatty 110/11 KV Sub-Station in Coimbatore Operation Circle	20.10.16	1.62	1.29
6		Establishment of 110/11 KV Sub-Station at Kadaiyur with 2x16 MVA, 110/11 KV Power Transformers in Coimbatore Operation Circle.	20.10.16	6.49	5.20
7	3620-3065	Establishment of 110/11 KV Sub-Station III at SIPCOT, Perundurai, Erode with 2x16, 110/11 Power Transformer in Salem Operation Circle.	25.10.16	6.47	5.17
8		Establishment of Veerapandi 110/22 KV Sub-Station at Pethampatty with 3x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	8.91	7.13
9	3620-3065	Establishment of Thoppur 110/22 KV Sub-Station at Upparapatty Vellar Village with 2x16 MVA Power Transformer in Salem Operational Circle.	25.10.16	6.87	5.50
10		Establishment of Ettikuttaimedu 110/22 KV Sub-Station with 2x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	8.61	6.89
11		Establishment of 110/22 KV Sub-Station at Vendipalayam with 2x16 MVA Power Transformer in Salem Operation Circle.	25.10.16	7.17	5.73
12	3620-3066	Upgradation of existing Uthangarai 33/11 KV Sub-Station to 110/33/11 KV Sub-Station with 2x25 MVA, 110/33 KV Power Transformer in Thiruvalem Operation Circle.	22.11.16	9.69	7.75
13		Establishment of 110/33-11 KV Sub-Station with 1x16 MVA, 100/33 KV & 2X16 MVA, 110/11 KV Power Transformers at Itchipudur in Thiruvalem Operation Circle.	22.11.16	12.75	10.20
14		Establishment of 110/33-11 KV Sub-Station with 1x25 MVA, 110/33 KV & 2X16 MVA, 110/11 KV Power Transformer at Pochampally SIPCOT in Thiruvalem Operation Circle.	22.11.16	10.79	8.64
15		Introduction of 110/33 KV Ratio by erecting 1x16 MVA, 110/33 KV Power Transformer at Paravakkal 110/11 KV Sub-Station in Thiruvalem Operation Circle.	22.11.16	2.15	1.72

(1)	(2)	(3)	(4)	(5)	(6)
16	3620-3067	Establishment of 110/33/11 KV Sub-Station at Perambur with 1x16 MVA, 110/33 KV and 2x8 MVA, 33/11 KV Power Transformers in Trichy Operation Circle.	22.11.16	7.71	6.17
17		Introduction of 110/33 KV ratio with 1x10 MVA, 110/33 KV Power Transformer at T.Nallur 110/11 KV Sub-Station in Trichy Operation Circle.	22.11.16	1.91	1.52
18		Establishment of 110/11 KV Sub-Station at Manikandam with 1x10 MVA Power Transformer in Trichy Operation Circle.	22.11.16	7.42	5.93
19		Establishment of 110/22 KV Sub-Station at Pudukurichy with 2x10 MVA, 110/22 KV Power Transformers in Trichy Operation Circle.	22.11.16	7.08	5.67
20		Establishment of 110/33/11 KV Sub-Station at Nidur with 1x16 MVA, 110/33 KV & 2x8 MVA, 33/11 KV Power Transformers in Trichy Operation Circle.	22.11.16	5.66	4.53
21		Establishment of 110/22 KV Sub-Station at Perali, with 2x10 MVA, 110/22 KV Power Transformers in Trichy Operation Circle.	22.11.16	5.34	4.27
22		Upgradation of existing Poraiyar 33/11 KV Sub-Station to 110/33/11 KV Sub-Station with 1x16 MVA, 110/33 KV Power Transformer in Trichy Operation Circle.	22.11.16	16.36	13.09
23	3620-3068	Establishment of 110/33/11 KV Sub-Station at Adari with 2x16 MVA, 110/33 KV Power Transformer and 1x8 MVA, 33/11 KV Power Transformer in Villupuram Operation Circle.	15.12.16	7.20	6.48
24		Establishment of 110/22 KV Sub-Station at Thirunavalur with 2x10 MVA, 110/22 KV Power Transformer in Villupuram Operation Circle.	15.12.16	13.13	11.82
25	3620-3069	Establishment of 110/11 KV Sub-Station at Pungampally with 2x16 MVA, 110/11 KV Power Transformers in Salem Operation Circle.	15.12.16	6.70	6.03
26	3620-3070	Establishment of 110/22 KV Sub-Station at Kuniamuthur with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.12.16	6.30	5.67
27		Establishment of Thalakarai (Muthur) 110/22 KV Sub-Station with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	17.77	16.00

(1)	(2)	(3)	(4)	(5)	(6)
28		Establishment of 110/22 KV Sub-Station at Selampalayam with 2x16 MVA, 110/22 KV Power Transformers in Coimbatore Operation Circle.	20.12.16	12.17	10.95
29		Establishment of Malayadipalayam 110/11 KV Sub-Station at S.Ayyampalayam with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	12.83	11.54
30.	36203070	Upgradation of existing Poomalur 33/11 KV Sub-Station with 2x8 MVA Power Transformer into 110/11 KV Sub-Station with 2x16 MVA Power Transformers in Coimbatore Operation Circle.	20.12.16	11.71	10.54
31.		Establishment of 110/22 KV Sub-Station at Gomangalampudur with 2x16 MVA, 110/22 KV Power Transformer in Coimbatore Operation Circle.	20.12.16	10.03	9.03
32.	36203072	Establishment of 110/11 kV Sub-Station with 2x16 MVA, 110/11 kV Power Transformer at Kamandoddy in Thiruvallam Operation Circle.	24.01.2017	8.03	7.32
33.		Establishment of 110/33-11 kV Sub-Station with 1x16 MVA, 110/33 kV and 2x16 MVA, 110/11 kV Power Transformer at Sogathur in Thiruvallam Operation Circle.	24.01.2017	16.16	14.61
34		Establishment of 110/33 kV Sub-Station with 2x16 MVA, 100/33 kV Power Transformer of Penneswaramadam in Thiruvallam Operation Circle.	24.01.2017	14.42	12.98
35.		Establishment of 110/33 kV Sub-Station with 2x25 MVA, 110/33 kV Power Transformer at Thogarapally in Thiruvallam Operation Circle.	24.01.2017	20.39	18.43
36.		Upgradation of existing Koratty 33/11 kV Sub-Station to 110/33/11 kV Sub-Station with 2x16 MVA, 110/33 kV Power Transformer in Thiruvallam Operation Circle.	24.01.2017	21.08	18.97
37.	36203073	Upgradation of existing Gandharvakottai 33/11 kV Sub-Station into 110/33/11 kV Sub-Station with 2x16 MVA, 110 kV Power Transformer in Trichy Operation Circle.	24.01.2017	15.99	14.39
38.		Establishment of 110/33/11 kV Sub-Station at Pakkudy with 2x16 MVA, 110x33 kV and 1x8 MVA, 33/11 kV Power transformer in Trichy Operation Circle.	24.01.2017	15.63	14.26

(1)	(2)	(3)	(4)	(5)	(6)
39.		Establishment of 110/22-11 kV Sub-Station at Ammachatiram with 1x10 MVA, 110/11 kV Power Transformers in Trichy Operation Circles.	24.01.2017	26.20	23.92
40.		Establishment of 110/22 kV Sub-Station at A.Mettur with 2x16 MVA, 110/22 kV Power Transformers in Trichy Operation Circle.	24.01.2017	13.74	12.37
			Total		348.12

II. RESOLVED FURTHER that the Chairman/TANTRANSCO be and is hereby authorized to accept any special conditions that may be stipulated by Power Finance Corporation Limited., and that such acceptable terms and conditions may be communicated to Power Finance Corporation Limited., the Chief Finance Controller of the TANTRANSCO on behalf of the Chairman /TANTRANSCO.

III. RESOLVED FURTHER that the Chief Financial Controller/TANTRANSCO be and is hereby authorized to execute relevant loan documents, any amendments, such certificates and other writings and create security by way of creation of charges on future assets on behalf of the TANTRANSCO.

IV RESOLVED FURTHER that the common seal of the company be affixed on the security documents and any other related documents as may be required by M/s.PFC in the presence of the Director (Finance) and Managing Director (or) Director/ Transmission Project and the Company Secretary shall sign the same in token thereof.

V. RESOLVED FURTHER that the Company Secretary/TANTRANSCO be and is hereby authorised to file the charges created with Registrar of Companies (ROC) within 30 days from the date of execution of loan documents.

(By Order of the Chairman/TANTRANSCO)

K. Muthupandian,  
Chief Financial Controller/TANTRANSCO.

\* \* \*

Circular Memo.No.CFC/REV/FC/REV/DFC/AAO/AS.3/ASD Review /D.186/17,

(Accts.Br.) dt.10.03.2017.

Sub: - Electricity - Review of adequacy of Security Deposit(SD) for H.T. and LT service (except LTCT & IIIB Industries) during 2016-2017 & allowing of interest on MCD for HT services – Instructions – Issued - Regarding.

Ref: - 1.TNERC Order No.1 of 2017 , dated 03.03.2017.

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As per Regulation 5 (5) of Tamil Nadu Electricity Supply Code, the adequacy of security deposit is to be reviewed and re-fixed once in a year in case of High Tension consumers and LT consumers with monthly billing; once in two years in case of Low Tension consumers with Bi-monthly billing, during April/May, taking into account the interest due for credit. Therefore, as per Tamil Nadu Electricity Supply Code, the review of adequacy of security deposit for H.T. and L.T. consumers (except LTCT & IIIB Industries, since the last review was made in 2015) are to be made during April/ May 2017.

2. In this connection, the following instructions are issued: -

2.1 Calculation of Interest on SD and crediting the same:

(i). The TNERC in the reference cited has directed for payment of interest @6.90 % p.a. on the Security Deposit from the consumers for the year 2016-17 and interest on MCD should be 6.90% p.a. Hence, before reviewing the adequacy of SD in respect of HT and LT consumers, the interest due for 2016-17 at 6.90 % p.a. may be arranged to be credited to all the HT/LT consumers' SD account and 6.90% interest on MCD may also be allowed to all HT consumers.

(ii). As per Regulation 46(2) of Tamil Nadu Electricity Distribution Code, interest is payable on the Meter Security Deposit (MCD) at the rate specified by the TNERC from time to time. Therefore the interest @ 6.90% pa may be allowed on MCD in respect of HT services for the period 1.4.2016 to 31.3.2017. The above interest may be paid to the consumer through adjustment in the future month current consumption charges. However no interest on Meter Security Deposit is payable in respect of LT services.

(iii). As per Regulation 35 (4) of the Distribution Code, while allowing the interest on security deposit, full calendar months only should be taken into account for the purpose of interest calculation and the interest to be calculated to the nearest rupee ie. 50 paise and above should be rounded off to the next higher rupee.

(iv). As per Section 5 (5) (iii) of Tamil Nadu Electricity Supply Code, the credit available including the interest shall be informed to each consumer before the end of June 2017. Therefore, necessary intimation to all the consumers about the availability of security deposit including interest as on 1.4.2017 may be arranged to be communicated before 30.6.2017.

2.2. Review of Adequacy of SD:

i). A thorough review of adequacy of security deposit in respect of H.T. services may be commenced during 1st week of April 2017 and completed before 20<sup>th</sup> of the same month and in respect of LT (except LTCT & IIIB Industries) consumers, as the review has been automated, arrangements may be started from 1<sup>st</sup> April to issue the demand notices to the consumers for additional security deposit, wherever required, and may be completed before the end of April 2017 for early collection.

ii). The review of adequacy of security deposit shall be made as per the provisions of Regulation 5(5) (ii) of Tamil Nadu Electricity Supply Code as follows:

a). For the categories of consumer under monthly billing, the Security Deposit is equivalent to two times of the monthly average of the electricity charges for the preceding twelve months prior to April.

b). For the categories of consumer under Bi-monthly billing, the Security Deposit is equivalent to three times of the monthly average of the electricity charges for the preceding twelve months prior to April.

iii). After crediting the interest to the SD account, the review of adequacy of security deposit as per the provisions of Regulation 5 (5) of Tamil Nadu Electricity Supply Code, may be arranged to be made and the Demand notices to be sent to the consumers, wherever required. In case of excess, such excess deposit may be arranged to be adjusted/refunded to the consumers as per Regulation 5 (5) (v) of Tamil Nadu Electricity Supply Code.

iv). As per TNERC's Order No.6, dt.31.07.2012, Order No.7, dt.31.07.2012,



Order No.8, dt.31.07.2012, Order No.4 of 2014, dated 12.09.2014 in respect of Wind Energy Captive User/third party user, Bagasse based Co-generation plants' captive user/third party and Biomass based power plants' captive/third party user and Solar Power plant's captive/third party user respectively, two times the charges corresponding to maximum net energy supplied by the distribution licensee in any month in the preceding financial year (ie, prior to April 2017) shall be taken as the basis for the payment of Security Deposit.

v). Further, as per the TNERC's Order No.4 dt.15.5.2006 in respect of fossil fuel based Captive Generating Plants' captive/third party user and fossil fuel based Co-generation plants' captive/third party users, the Security Deposit shall be fixed at two times of the average net consumption during the preceding twelve months prior to April 2017.

vi). Further, while review of adequacy of SD in respect of HT Consumers who have adjustment of inter-state energy (ie, energy from IEX, etc.), the Security Deposit shall be at two times of the average net consumption during the preceding twelve months prior to April 2017.

vii). The Hon'ble TNERC, in its Notification Nos.7-29, dt. 16.12.2011 has stated that: - In the Principal Code, in Clause (5) of Regulation 5, the following sub-clause (vii) shall be added at the end, namely –

“(a). For the consumers under monthly billing who are not the owners of the premises and are unable to produce the consent letter in Form 5 of Annexure III to the Distribution Code from the owner of the premises for availing supply, the Security Deposit shall be equivalent to four times of the monthly average of the electricity charges for the preceding twelve months prior to April;

(b). For the consumers under bi-monthly billing who are not the owners of the premises and are unable to produce the consent letter in Form 5 of Annexure III to the Distribution Code from the owner of the premises for availing supply, the Security Deposit shall be equivalent to six times of the monthly average of the Electricity charges for the preceding twelve months prior to April.”

Therefore, the above aspects have to be taken into consideration while reviewing the adequacy of SD.

viii). The Consumers who own buildings/super-structures in the SIPCOT/Similar Industrial estates under 99 years lease agreement with such institutions, the Regulation 5(5) (ii) (a) of the Supply Code may be applied. If such consumers are captive/third party user, the relevant provision has to be applied.

ix) The security deposit in the above categories shall exclude incidental charges like operation and maintenance of lines/sub-stations of generator charges for the purchase of power from third parties but shall be inclusive of all other charges specified by the Commission from time to time in accordance with Regulation 5(5) (ii) (d) of the Tamil Nadu Electricity Supply Code.

x) The Chief Engineer/IT shall make necessary programme in the computer as indicated above for the review of adequacy of SD in HT & LT including the services covered under RAPDRP.

xi). In respect of LT services, the review of adequacy of SD may be made through Computer programme. The Rev. Branch AAO/AS shall ensure the correctness of the Opening Balance of SD and posting of further collection of additional SD/refund of excess SD, if any.

### 2.3. Serving of ASD Notices:

i). As per Regulation 5(5) (iv) the intimation of the requirement of ASD shall be through a separate notice in the case of HT services & by a distinct entry in the consumer meter card (or) separate notice in the case of LT services. Thirty days notice period shall be allowed for the payment.

ii). The CE/IT is requested to make a computer programme to print the details such as, availability of SD, rate of interest, Interest accrued, SD required, Additional SD required, last date of payment of ASD, in the bottom of the CC receipt issued to the LT consumers during April, May and June 2017. Further SMS and e-mail may also be arranged as "add on facility". The demand intimation notices may be arranged to be printed in Tamil & English. Demand Notice may also be arranged to be sent through e-mail to the HT consumers and also to the LT consumers, wherever available.

iii). The SE/EDCs must make necessary arrangements to educate all the LT Consumers (through display boards in the collection counters, etc.) that the ASD details are printed at the bottom of the CC Receipts and the consumers must remit the ASD amount within the due date so as to avoid levy of BPSC & disconnection of their service connections.

### 2.4. Collection of ASD:

i). As per Section 5 (5) (iv) of Tamil Nadu Electricity Supply Code, thirty days notice period shall be allowed for payment. Therefore, necessary demand notice may be arranged to be issued for collection of additional security deposit by indicating the above provision. However, if the consumers request for payment by installments, in such cases, three installments commensurate with the billing cycle may be allowed by the Superintending Engineers of Distribution Circles for HT services and by the Executive Engineers of O&M (Revenue Branch) in respect of LT services. The due date of installment should be watched and collection made according to the schedule of installment. The facility of payment in installments will be made available to the consumer on request. To avail this facility, the consumer shall execute an undertaking in Form (5) in the Appendix to Supply Code. The Chief Engineer/IT is requested to arrange to provide necessary screens in this regard.

### 2.5. Levy of Belated Payment Surcharge (BPSC):

(i). As per Regulation 5(4) (vi) of the TNE Supply Code, in case of sums other than the price of electricity supplied which are outstanding, surcharge shall be leviable at a rate not exceeding 1.5% per month.

(ii). The Chief Engineer/IT may arrange to indicate that "failure to make payment of the ASD with the due date will attract levy of BPSC" in the demand intimation Notices/CC receipts, as may be applicable.

(iii). Where the consumers have been permitted to make payment in installments, then surcharge shall accrue only when there is default in the payment schedule and the surcharge shall be worked out from the day following the day on which the installment fell due and shall be payable along with the amount of installment due.

### 2.6. Payment of Honorarium :

i). For attending the work of checking the interest on SD, review of adequacy of SD, compliance of demand notices, etc. in respect of all LT services relating to vacant seats/excess over norms, the honorarium of Rs.2/- per Service may be paid.

ii). In respect of LT services where adequacy of SD is not involved and only the

work of checking of interest on SD; Verification of posting in respect of ledger; compilation of intimation on the availability of SD are involved, in such cases an honorarium of Re.1/- per service in respect of vacant seats/excess over norms may be paid.

(iii). Further it is also ordered for payment of a separate honorarium of Re.1/- per service for serving of notice of ASD demand to the consumers duly getting proper acknowledgement.

#### 2.7. Income Tax:

i). The Income Tax may be deducted (TDS) for the interest allowed, if the interest payable exceeds Rs.5000/- as per Sec 194A of the IT Act 1961.

ii). The Income tax may be deducted at the following rates: -

a). If PAN is furnished @ 10%

b). If PAN is not furnished @ 20%

iii). Time Limit to remit to the Government A/c :- Since the interest relates to the previous financial year, (ie) 2016-17, provision (credit) is made in the books of accounts on 31.3.2017, the time limit is " on or before 30<sup>th</sup> day of April 2017."

#### 2.8. Report:

i). The fortnightly progress of demand, collection and balance of ASD should be watched without omission and it must be ensured that the figures available in the Computer, reflect the actual position.

S.Arulsamy,  
Director/Finance/TANGEDCO

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TANTRANSCO – Medium Term Loan Rs.500 Crores sanctioned by Rural Electrification Corporation Ltd., (REC Ltd.,) New Delhi – Acceptance of Loan – Approved by the Borrowing Committee – Orders Issued.

(Accounts Branch)

(Per.) CH TANTRANSCO Proceedings No. 3,

Dated the 15<sup>th</sup> March 2017.

Panguni 2, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

1. REC / CHN / TANTRANSCO / MTL 2016 - 17 / 924  
dt.08.03.2017.

2. Approved by Borrowing Committee on 15.03.2017.

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#### PROCEEDINGS:

The Rural Electrification Corporation Ltd., (REC Ltd.,) New Delhi has sanctioned financial assistance of Medium Term Loan of Rs.500 Crores (Rupees Five hundred Crores only) from REC, New Delhi for meeting the shortfall due to inadequate tariff revision and repayment of loan obligation.

## 2. TERMS AND CONDITIONS:

The terms and conditions for the above Medium term loan of Rs.500 Crores as stipulated by the REC Ltd., New Delhi, in their letter dt. 08.03.2017 is follows:

Amount	Rs.500 Crores (Rupees Five hundred Crores only)
Rate of interest	The interest shall be payable monthly at the rate applicable on the date of each disbursement without any moratorium period. The present interest rate is 12.00% p.a. (Rebate if any, shall be applicable if approved by REC and will be intimated separately). The interest shall be payable on the last date of each month. Further rebate of 25 bps shall be applicable after submission of State Government Guarantee.
Rate of interest	The interest shall be charged on the loan at the rate prevailing on the date of each disbursement as per REC's latest loan policy circular.
Tenure	36 months for repayment of principal.
Repayment	Repayable in 18 Equal Monthly Installments, after a moratorium period of 18 months for principal alone.
Security (TANTRANSCO OPTION)	TANTRANSCO shall create security in favour REC for the MTL of Rs.500 Crore as under : a. State Government Guarantee. In case of State Government Guarantee as security, the same shall be provided within 3 months from the date of 1 <sup>st</sup> disbursement. In case of failure to provide State Government Guarantee within 3 months from the date of 1 <sup>st</sup> disbursement, then additional interest of 25 bps shall be charged from the expiry of 3 months till the State Government Guarantee is provided. Or Hypothecation of existing high value movable asset (exclusive first charge) worth Rs.556 Crore by TANTRANSCO in favour of REC (as per the standard format). And b. Suitable escrow cover as acceptable to REC.
Pre-disbursement Condition:	a) TANTRANSCO shall create security in favour of REC pertaining to this MTL as per the security conditions stipulated in Clause 2.3 of this sanction letter. b) TANTRANSCO shall furnish an undertaking to REC to the effect that TANTRANSCO shall utilize this MTL of Rs.500 Crore for meeting the shortfall due to inadequate tariff revision and repayment of loan obligation. c) TANTRANSCO shall furnish an undertaking to REC to the effect that TANTRANSCO will file tariff petition for the subsequent years i.e. after drawl of the loan before November 30, every year during the tenor of the loan d) The overdues (if any) of Tamil Nadu Transmission Corporation Ltd (TANTRANSCO) along with delayed interest and penal interest as applicable on the date of disbursement shall be cleared before disbursement of this MTL. Otherwise REC shall be authorized to adjust the overdues (if any) along with applicable delayed interest and penal interest of TANTRANSCO from this MTL, for which a confirmation letter from TANTRANSCO shall be submitted.

3) After careful consideration, The TANTRANSCO have approved and accept Rs.500 Crores (Rupees Five hundred Crores only) for meeting the shortfall due to inadequate tariff revision and repayment of loan obligation sanctioned by the Rural Electrification Corporation Ltd., (REC Ltd.,) New Delhi and accepting all terms and conditions mentioned in REC sanction letter dt.8.3.2017.

4) The following resolutions are also passed as requested by Rural Electrification Corporation.

### RESOLUTIONS

I. RESOLVED that the Tamil Nadu Transmission Corporation Ltd., (TANTRANSCO) do accept the Medium Term Loan of Rs.500.00 Crores sanctioned by Rural Electrification Corporation Ltd., (REC Ltd.,) New Delhi for meeting the shortfall due to inadequate tariff revision and repayment of loan obligation and also the terms and conditions as stipulated by the REC Ltd., New Delhi, vide sanction letter dated 08.03.2017.

II. RESOLVED FURTHER that the Chairman/TANTRANSCO be and is hereby authorized to accept any special conditions that may be stipulated by REC Ltd., and that such acceptable terms and conditions may be communicated to REC by Chief Financial Controller/ TANTRANSCO on behalf of the Chairman / TANTRANSCO.

III. RESOLVED FURTHER that TANTRANSCO do opt for providing State Government Guarantee as Security for the above loan.

IV. RESOLVED FURTHER that the GoTN be addressed to provide unconditional, irrevocable Government Guarantee as security for the above loan.

V. RESOLVED FURTHER that the Chief Financial Controller/TANTRANSCO be and is hereby authorized to execute relevant loan documents, any amendments, such certificates and other writings.

VI. RESOLVED FURTHER that the common seal of the company be affixed on the security documents and any other documents as may be required by REC in the presence of the Director (Finance) and Managing Director (or) Director/ Transmission Project and the Company Secretary shall sign the same in token thereof.

VII. RESOLVED FURTHER that the Company Secretary / TANTRANSCO be and is hereby authorised to file the charges created with Registrar of Companies (ROC), if required within 30 days from the date of execution of loan documents.

(By Order of the Chairman/TANTRANSCO)

K. Muthupandian,  
Chief Financial Controller/TANTRANSCO.

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Circular.Memo.No.CFC/FC/REV/AS.3/D.325 /17, (Accts.Br.) dated.15.03.2017.

Sub : Electricity - Clarification for verification of Captive Norms in accordance with Electricity Rules - 2005 – Issued - Regarding.

Ref : 1. Lr.No.CFC/FC/REV/AAO/HT/D.638/2013  
dated.08.10.2013.

2. Lr.No.CFC/FC/REV/AAO/HT/D.419/2014  
dated.11.07.2014.

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Several instructions have been issued in order to verify the CGP norms to collect Cross Subsidy Surcharge, wherever applicable. In continuation to the above, clarification has been sought for in this subject. Hence, clarification by way of sample illustrations is communicated. The Cross Subsidy Surcharge [CSS] shall be collected from each HT consumer wherever the Captive Generating Plant from whom the HT consumer consumes energy by way of adjustment, loses the Captive Generating Plant [CGP] status.

2.0) It is stated that verification of CGP status shall be done as per the provisions of Rule 3 of the Electricity Rule 2005 on financial year basis i.e. from 1<sup>st</sup> April to 31<sup>st</sup> March of the succeeding year. The following illustrations are common for all CGPs i.e. CGPs having Fossil fuel, wind, biomass etc.

2.1) The general formula for calculating percentage of the captive consumption:

Total generation of the Financial year (-) Auxiliary consumption (if any)  
= Aggregate generation (Available for captive use)

Total consumption for the Financial year

----- =----- %  
Aggregate generation

2.2) Auxiliary Consumption means, the quantum of energy consumed by auxiliary equipment of generating station and transformer losses within generating station. The maximum percentage of auxiliary consumption is 10 % of the Highest capacity of the generating unit of the generating station or as per the percentage of auxiliary consumption as specified in the Commission's Tariff regulations or the actual auxiliary consumption whichever is less.

2.3) The main aspects for verification of CGP status is with regard to "Ownership" and "Consumption".

2.4) "Ownership" in relation to a generating station or power plant set up by a company or any other body corporate shall mean the equity share capital with voting rights. In other cases like partnership company, etc., where capital is not issued by way of equity shares, then ownership shall mean proprietary interest and control over the generating station or power plant.

2.5) "Special Purpose Vehicle" [SPV] shall mean a legal entity owning, operating and maintaining a generating station and with no other business or activity to be engaged in by the legal entity.

2.6). If Association of persons ' [AOP] form generating plant with equity capital, verification of holding minimum 26% equity share capital with voting rights and minimum 51% consumption proportionate to the equity holding with in a variation not exceeding ten percent by captive user(s) has to be verified as per Rule 3.

3.0) For verification of CGP status the following details may be obtained from each of the Generating Plant in a financial year. [The verification of CGP status shall be done by the SE/EDC concerned where the generating plant is located]

a) Total Energy generated by the Generating plant [ EWA - wise]

b) Aux. consumption of the Generating plant [ EWA - wise]

c) Energy consumed at HT service connection (who is also a captive user) where Generating Plant is located.

d) Appropriate documentary proof for the above such as log abstract, meter reading card for such consumption etc., may be obtained.

e) When more than one unit of generating plant is available, the ABT meter(s) installed at the interface point will indicate the net energy generated. In this case the details of Generating Plant have to be obtained from the company and the correctness of the details furnished by the Generating Plants shall be ensured by proper verification of documents.

f) For verification of CGP status, the aggregate generation has to be taken Generating Plants wise in accordance with the Energy Wheeling Agreement, since CGP status has to be verified with respect to each particular generating plant, as per its EWA.

g) The Generating Plant should furnish affidavit providing the details of the equity share capital with voting rights holding and consumption by the captive consumer from the generation of each unit identified for such captive use for each month of the financial year. The affidavit containing the details shall be authenticated by the authorized signatory of the Generating Plant such as Managing Director, Whole time Director or Company Secretary along with the Generating Companies Auditor's certificate for Equity share holding with voting rights of each of the captive user(s) during each financial year. The authorization to authenticate the affidavit shall be by way of a Resolution of the Board of the Company. The affidavit should furnish along with audited balance sheet, Annual Return furnished to the Registrar of companies regarding Equity held by the Share holder and percentage of Equity held by captive users together with money payment receipt [ Form V] paid by captive users and auditor's certificate clearly indicating investment in Equity Share Capital with voting rights by the captive users along with Form – II and also the details of investment in the Captive Generating plant. In case where the generating company does not have capital in the form of equity shares eg. Partnership company, affidavit shall be authenticated by the Managing Partner. The authorization shall mention to keep TANGEDCO informed of any change in the authorization. Further certificates confirming the correctness of the share holding of the captive consumer as evidenced in the Register of the Members [ Share holder] should also be provided and also confirming that the shares are Equity Shares with voting rights. The equity share capital with voting rights certified by the Auditor shall be verified every Financial year with the share holding approval issued from the Headquarters office concerned and both should tally. The equity share holding with voting rights in a CGP held by each of the captive user shall also be cross - verified. No wheeling should be permitted for equity share holders to whom prior approval was not accorded by the Head Quarters TANGEDCO office concerned.

h) The adjustment shall be slot - wise and as per Regulation in force.

i) The verification of CGP status shall be done by the SE/EDC concerned where the Generating Plant is located. The SE/EDC where CGP is located, on verification of CGP status, if found that the CGP status is lost, it shall intimate the same to the Generating Plant and the Superintending Engineers concerned where the captive users (HT consumers) are located to collect Cross Subsidy Surcharge.

j) The initial approval with respect to "Ownership" of each generating unit identified for captive use shall be issued by the Headquarters/TANGEDCO office concerned as per the Electricity Rules, 2005.

## EXAMPLES:

## Example: 1

The Generating Plant and the HT service(s) (Captive User) are the same person & situated in the same location or different location :

a) At the first instance maintenance of equity share capital with voting rights not less than 26% in the Financial year as per the approval issued should be verified. If it is not maintained as per the approval, the CGP status will be lost and CSS has to be collected for adjusted units from HT consumers.

b) The HT consumer has to consume not less 51% of the energy generated [aggregate generation]. The captive consumption may be at the industry itself where the CGP co - exists or through open access.

c) If the HT consumer fails to consume 51% of the energy as mentioned above the HT consumer is liable to pay CSS for the entire quantum of captively consumed energy.

(a). Total equity holding by the HT consumer(s) in CGP } 100%

(b) Aggregate Energy generated in a financial year in the CGP } 10,000 units

(c) Minimum consumption by way of adjustment }  
       required to Satisfy 51% consumption norms } 5,100 units = 51%  
       51% of (b)

(d) Actual consumption by way of adjustment  
       by the HT consumer } 5500 units = 55%

(e) For the balance generated units , the CGP may Consume captively or may not } 4500 units

Since (d) is 5500 units which is more than 5100 units, minimum requirement in consumption for maintaining captive status of the CGP is satisfied and hence the Generating Plant has qualified as CGP. If the actual captive consumption is less than 5100 units in (c), the Captive status of the Generating Plant will be lost, therefore CSS shall be leviable for the entire adjusted units captively mentioned in (d) from the HT consumer(s)/User (s).

Example 2 : A generating company [ X Limited ] having 4 numbers captive generating plant and the HT service(s) (Captive User(s)) are the same person, who holds 100% equity shares in the Generating Plant [the HT consumers of each Generating Plant may be situated in the same EDC or different EDCs ] :

a). At the first instance maintenance of equity share capital with voting rights not less than 26% in the Financial year as per the approval issued by Headquarters should be verified. In case not maintained as per the approval, the CGP status will be lost and CSS has to be collected from HT consumers.

b). The method of arriving 51% of the aggregate electricity generated in such plant, determined on an annual basis consumed for the captive use in accordance with the Electricity Rules, 2005 is furnished below. The details of the energy generation and adjustment against consumption of the consumers for the financial year are furnished below:



c). Four number of CGP of X Ltd had executed Energy Wheeling Agreements to wheel the power to Two numbers of High Tension services, namely HT.SC.No.1 and HT.SC.No.34. The total number of CGPs had been installed with a capacity of 6.0 MW as follows:

Sl.No	GEN HT SC.No	Name of the Generating Plant	Capacity	Date of Commissioning	Date of separate EWAs executed
1.	2394	M/s. X Limited	1.5 MW	06.09.2008	07.12.2009
2.	2395	M/s. X Limited	1.5 MW	06.09.2008	07.12.2009
3.	2401	M/s. X Limited	1.5 MW	12.09.2008	07.12.2009
4.	2402	M/s. X Limited	1.5 MW	12.09.2008	07.12.2009

Total 6.0 MW

CGP wise aggregate generation for the Financial Year :

Sl.No	GEN HT SC.No	Aggregate Generation
1.	2394	3103200
2.	2395	3863568
3.	2401	3854109
4.	2402	3728544

Minimum consumption required to Satisfy 51% consumption GEN. SC. No wise

Sl.No	GEN HT SC.No	51 % Aggregate Generation
1.	2394	1582632
2.	2395	1970420
3.	2401	1965595
4.	2402	1901557

Adjustment from CGP against consumption in respect of the consumer HT.SC.No.1 and 34 of the financial year :

Captive norms verification has to be done in respect of each CGP in accordance with Electricity Rules - 2005. The adjustment has to be done in accordance with Energy Wheeling Agreement as approved by TNE RC /TANGEDCO from time to time. The following table is total for Financial Year. During a Financial Year, for each bill month, table as below shall be prepared and such table may be summed up.

SL.No	GEN HT.No	Aggregate Generation [A.G]	Actual Adjustment towards Consumption		Total consumption	% of consumption against A.G
			HT.SC.No.1	HT.SC.No.34		
1.	2394	3103200	2529108	574092	3103200	100%
2.	2395	3863568	2470892	350282	2821174	73.01%
3.	2401	3854109				0%
4.	2402	3728544				0%
			5000000	924374		

In case of GEN HT.SC.No.2394 and 2395, which have separate EWAs, each of their captive consumption is more than 51% and there fore CGP status in respect of GEN.HT.SC.No.2394 and 2395 is satisfied.

From the above, in accordance with Rule, 3 of the Electricity Rules - 2005, CGPs 2401 and 2402 have lost their captive status, since one of the twin rules for requirement of Captive Generating Plant i.e not less than fifty one percent of the aggregate electricity generated in such plant, determined on an annual basis has to

be consumed for captive use is not satisfied by the said Generating Plants. Therefore, the CSS has to be levied on the captive users for the energy adjusted from CGPs those who do not fulfill the Captive Status. In this case, the Generating Plants 2401 and 2402 have lost their CGP status but NO energy has been adjusted from the captive status lost Generating Plants and hence levy of CSS does not arise. Balance unadjusted units i.e 10, 42,394 units [ 3863568 - 2821174], 3854109 Units and 3728544 Units of the respective Generating Plant viz GEN.HT.SC.No.2395; 2401 and 2402 have to be treated as per their agreements.

### Example 3

The Generating Plant [X Ltd] has a HT Service connection (Captive User) [both are same]. Apart from this HT Service connection, other two HT Service connections also hold equity share capital with voting rights in X Ltd [ASSOCIATION OF PERSONS[OR]AOPs].

a) At the first instance maintenance of Equity share capital with voting rights not less than 26% in the Financial year as per the approval issued by Headquarters should be verified. In case it is not maintained as per the approval, the CGP status will be lost and CSS has to be collected from the HT consumers.

b) The captive user(s) who hold Equity has to consume not less than 51% of the energy generated (aggregate generation) . The captive consumption may also be at the HT S/c itself where the CGP co - exists / through open access.

### Illustration:

Total equity in the company : 100%

a) Equity held by three captive users 100% }

(HT.SC.No.10 =74%, HT.SC.No.16 = 14% and HT.SC.No 7=12%)

b) Energy generated in a financial year in a CGP }

(Aggregate generation) } 10,000 units

c) Minimum consumption required to }

Satisfy 51% consumption norms } 5,100 units = 51%

( 51% of (b) )

d) Assume actual captive consumption at the same location & } 5,500 units = 55% through OA

e) The balance 4500 Units out of the Aggregate Generation of 10000 Units may be utilized as per the Agreement in force.

f) For deciding the captive status annually, the sum of the energy consumed by the three captive users for the financial year ending shall be arrived at, and the same shall be not be less than 5100 Units. [ i.e 51% of A.G ]. If consumption is less than 5100 units, then CGP status is not maintained, and CSS has to be collected from the HT consumers for respective adjusted units.

In this case, the captive consumers have consumed more than 51% i.e 55%. This CGP is under AOP and hence the captive users have to consume in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent and the same has to be checked as follows:

% of equity Holding A	Energy consumption required to satisfy not less than 51% proportionate to share holding $[A/100] \times 5500 A =$ percentage share holding B	Allowable variation within +/- 10% of B  C	Adjusted units	Whether rule within +/- 10% variation fulfilled
HT.SC.No.10 [74%]	4070	3663 (Min) to 4477 (Max)	4070	YES
HT.SC.No.16 [14%]	770	693 (Min) to 847 (Max)	770	YES
HT.SC.No.7 [12%]	660	594 (Min) to 726 (Max)	660	YES
TOTAL[100%]	5500		5500	

In this case, all the HT consumers have consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent and hence the Generating plant has satisfied the twin rule of Electricity Rule - 3 of 2005 and therefore, the Generating Plant X Ltd qualifies as CGP. No CSS arises.

Example 4 : Association of persons/SPVs X Ltd comprising two users:

a) At the first instance maintenance of equity share capital with voting rights not less than 26% in the Financial year as per the approval issued by Headquarters should be verified. In case it is not maintained as per the approval, the CGP status will be lost and CSS has to be collected.

b) Total equity shares in X Ltd = 100%

c) Equity Shares held by two captive users ( 14% +12%) = 26%  
out of above.

d) Aggregate Generation in a financial year [A.G] } 10,000 units

e) Minimum consumption required to }  
Satisfy 51% consumption norms } 5,100 units  
Collectively by two captive consumers }  
{ 51% of c }

f) actual units consumed by two users } 9000 Units  
[ 5000 and 4000 Units respectively]

g) For deciding the captive status annually, at the first instant the sum of the energy consumed by the two captive users for the year ending 31<sup>st</sup> March shall be arrived at, and the same shall be not be less than 5100 Units [ 51% of A.G]

h) If (g) is not satisfied, CGP status is lost and for the entire energy adjusted by two users CSS shall be leviable. If (g) is satisfied, then apply proportionality Rule.

i) The proportionate consumption by captive users according to their share holding may be carried out as per the table mentioned below.

User	% of equity holding in X Ltd A	Energy consumption Required to satisfy not less than 51% proportionate to share holding= $A/26 \times 9000$ (units) B	Allowable variation within +/- 10% of B C	Actual Adjusted units	Whether the rule within +/- 10% variation fulfilled
User - 1	14%	4846	4362 (min) - 5331(max)	5000	YES
User - 2	12%	4154	3739(min) - 4569 (max)	4000	Yes
Total	26%	9000		9000	

As per the above statement, the Generating Plant, X Ltd Qualifies as CGP.

Note:

(i). In this case, if any one of the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent as per the above table, then the Captive Generating Plant will lose the Captive Generating Plant status and CSS has to be collected from all the HT consumers / users for entire energy adjusted units.

(ii). Even though if collective consumption is more than 51% but if it is not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent, the CGP status will be lost and CSS has to be collected from each of the HT consumers/Users for the entire adjusted energy.

Example 5 : X Ltd formed as SPV having 4 Generating Plants with 5 users as AOP :

a) . At the first instance maintenance of equity share capital with voting rights not less than 26% in the Financial year as per the approval issued by Headquarters should be verified. If it is not maintained as per the approval, the CGP status will be lost and CSS has to be collected from HT consumers/Users.

b) . Four number of CGPs of X Ltd had executed Energy Wheeling Agreements to wheel their energy to Five number of HT users, namely HT.SC.No.1, of North EDC, with share holding 18% and HT.SC.No.2 of South EDC, with share holding 18%, and HT.SC.No.3 of West EDC, with share holding 14%, and HT.SC.No.4 of South EDC, with share holding 12% and HT.SC.No.5 of East EDC, with share holding 8%. Each of the 4 CGPs had been installed with a capacity of 15 MW as follows:

TABLE-I :

Sl.No	Gen Plant HT SC.No	Name of the Generating Plant	Capacity	Date of Commissioning	Date of separate EWAs executed
1.	241	M/s. X Limited	15 MW	05.09.2008	16.12.2008
2.	242	M/s. X Limited	15 MW	05.09.2008	16.12.2008
3.	243	M/s. X Limited	15 MW	06.09.2008	16.12.2008
4.	244	M/s. X Limited	15 MW	06.09.2008	16.12.2008

Total 60 MW

The Energy Generation details for financial year :

TABLE-II:

SC.No.	Gen Plant HT.SC.No.	Total Generation	Auxiliary consumption[-]	Aggregate Generation	51% of Aggregate generation
1.	241	3103200	100000	3003200	1531632
2.	242	3863568	150000	3713568	1893920
3.	243	3854109	125000	3729109	1901845
4.	244	3728544	130000	3598544	1835257

Calculation of whether 51% of the generation has been consumed [Generating Plant wise]:

Table - III

Generating Plant HT.SC No	Aggregate Generation [A.G]	Actual Adjustment against consumption					Total adjustment against consumption	Whether Actual consumption exceeds minimum 51% consumption?
		HT.SC. No.1	HT.SC. No 2	HT.SC. No.3	HT.SC. No.4	HT.SC. No.5		
241	3003200	350000	510000	350000	253000	253000	1716000	YES #
242	3713568	430000	435000	500000	314497	314497	1993994	YES #
243	3729109	440000	440000	340000	400000	315000	1935000	YES #
244	3598544	520000	521000	405000	347000	231000	2024000	YES #

# Since total adjustment is more than 51% of A.G as in column (6) of the table II above.

c). Now, as each of the Generating plant has satisfied the minimum consumption of 51%, the next step is to check the Rule of proportionately for each Generating Plant as below:

Calculation of proportionate consumption by captive users CGP wise :

1. GEN.SC. No.241

% of equity Holding A	Energy consumption required to satisfy not less than 51% proportionate to share holding $[A/70] \times 1716000$ A = percentage share holding B	Allowable variation within +/- 10% of B C	Adjusted units	Whether rule within +/- 10% variation fulfilled
HT.SC.No.1 [18%]	441257	397131 (Min) to 485383 (Max)	350000	NO
HT.SC.No.2 [18%]	441257	397131 (Min) to 485383 (Max)	510000	NO
HT.SC.No.3 [14%]	343200	308880 (Min) to 377520 (Max)	350000	YES
HT.SC.No.4 [12%]	294171	264754 (Min) to 323589 (Max)	253000	NO
HT.SC.No.5 [8%]	196114	176503 (Min) to 215726 (Max)	253000	NO
TOTAL [70%]	1716000		1716000	

1. As far as concerned HT.SC.No.1 and HT.SC.No.4, the HT consumers have consumed below – 10% variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

2. As far as concerned HT.SC.No.2 and HT.SC.No.5, the HT consumers have consumed beyond the +10 variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

3. As far as concerned HT.SC.No.3, the HT consumer has consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

4. In the present case, HT.SC.No.1,2,4 and 5 have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent, thereby the captive users have not satisfied the above rule and hence the captive status of the above Generating plant is lost. Therefore, the cross subsidy surcharge has to be collected for the entire adjusted units of Gen S/c.No.241 i.e 1716000, payable by each HT S/c. No to the extent of their adjusted units concerned.

## 2. GEN.SC.No.242

% of equity Holding A	Energy consumption required to satisfy not less 51% proportionate to share holding [A/70] X1993994 A = percentage share holding B	Allowable within variation +/- 10% of B  C	Adjusted units	Whether the rule within +/- 10% variation fulfilled
HT.SC.No.1 [18%]	512741	461467 (Min) to 564015 (Max)	430000	NO
HT.SC.No.2 [18%]	512741	461467 (Min) to 564015 (Max)	435000	NO
HT.SC.No.3 [14%]	398799	358919 (Min) to 438679 (Max)	500000	NO
HT.SC.No.4 [12%]	341828	307645 (Min) to 376010 (Max)	314497	YES
HT.SC.No.5 [8%]	227885	205097 (Min) to 250674 (Max)	314497	NO
TOTAL [70%]	1993994		1993994	

1. As far as concerned HT.SC.No.1 and HT.SC.No.2, the HT consumers have consumed below – 10% variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

2. As far as concerned HT.SC.No.3 and HT.SC.No.5, the HT consumers have consumed beyond the +10 variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

3. As far as concerned HT.SC.No.4, the HT consumer has consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

4. In the present case, HT.SC.No.1,2,3 and 5 have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten

percent, thereby the captive users have not satisfied the above rule and hence the captive status of the above Generating plant will lose. Therefore, the cross subsidy surcharge has to be collected for the entire adjusted units of Gen S/c.No.242 i.e 1993994 units, payable by each HT S/c.No to the extent of their adjusted units concerned.

### 3. GEN.SC.No.243

% of equity Holding A	Energy consumption required to satisfy not less than 51% proportionate to share holding [A/70] X 1935000 A = percentage share holding B	Allowable variation within +/- 10% of B  C	Adjusted units	Whether the rule Within +/- 10% variation fulfilled
HT.SC.No.1 [18%]	497571	447814 (Min) to 547329 (Max)	440000	NO
HT.SC.No.2 [18%]	497571	447814 (Min) to 547329 (Max)	440000	NO
HT.SC.No.3 [14%]	387000	348300 (Min) to 425700 (Max)	340000	NO
HT.SC.No.4 [12%]	331714	298543 (Min) to 364886 (Max)	400000	NO
HT.SC.No.5 [8%]	221143	199029 (Min) to 243257 (Max)	315000	NO
TOTAL [70%]	1935000		1935000	

1. As far as concerned HT.SC.No.1,2 and 3, the HT consumer has consumed below – 10% variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

3. As far as concerned HT.SC.No.4 and HT.SC.No.5, the HT consumers have consumed beyond the +10 variation as mentioned in the column C and thereby the HT consumers have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent.

4. In the present case, all the HT consumers/users have not consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent, thereby the captive users have not satisfied the above rule and hence the captive status of the above Generating plant will lose. Therefore, the cross subsidy surcharge has to be collected for the entire adjusted units of Gen S/c.No.243 i.e 1935000 units, payable by each HT S/c.No to the extent of their adjusted units concerned.

4. GEN.SC.No.244

% of equity Holding A	Energy consumption required to satisfy not less than 51% proportionate to share holding [A/70] X 2024000 A = percentage share holding B	Allowable variation 10% +/- of B  C	Adjusted units	Whether the rule +/- 10% variation fulfilled
HT.SC.No.1 [18%]	520457	468411 (Min) to 572503 (Max)	520000	YES
HT.SC.No.2 [18%]	520457	468411 (Min) to 572503 (Max)	521000	YES
HT.SC.No.3 [14%]	404800	364320 (Min) to 445280 (Max)	405000	YES
HT.SC.No.4 [12%]	346971	312274 (Min) to 381669 (Max)	347000	YES
HT.SC.No.5 [8%]	231314	208183 (Min) to 254446 (Max)	231000	YES
TOTAL [70%]	2024000		2024000	

1. In this case all the HT consumers have consumed in proportion to their shares in ownership of the power plant within a variation not exceeding ten percent and hence the Generating plant has satisfied the twin rule of Electricity Rule - 3 of 2005 thereby the Generating Plant GEN .SC.No. 244 qualifies as CGP.

d). It may be ensured that even if the consumption [ by way of captive adjustment] of NOT LESS THAN 51% of the AG of each generating plant is collectively fulfilled by its captive users, it shall be mandatory that each of the captive user consume [adjust] in proportion to their shares in the ownership of the power plant within a variation not exceeding ten percent. If not, the captive generating plant status will be lost and the CSS is leviable on the entire adjusted units of that Generating Plant from the respective HT consumers/Users.

Example 6 :

If a generating station with two units of 50 MW each (A and B units) totaling 100 MW and if Unit A is pre - identified for captive use it is sufficient for the captive user/users to hold not less than 13% of the share holding in the generating company ie 13% Equity with voting rights for 50 MW (and 26% for 100 MW) . Such captive user/users shall consume not less than 51% of the energy generated in A unit identified for captive use. (see examples [for SPVs] for calculations take the equity as 13% in the denominator in column B )

Example 7 :

A generating station has two unit viz ., Unit A of 100 MW and unit B of 200 MW. In case the captive user desires to identify Unit A of 100 MW as the Captive Generating Plant, the captive user shall hold not less than 8.666 percent of the equity shares in the company (being the twenty six percent proportionate to Unit A of 100 MW) and not less than fifty one percent of the electricity generated in Unit A determined on an annual basis is to be consumed by the captive user. However, in case the captive user desires to identify Unit B of 200MW as the Captive Generating Plant, the captive user ought to hold minimum of 17.333 percent of the equity shares in the company (being the twenty six percent proportionate to Unit B of 200 MW) and ought to have consumed not less than fifty one percent of the electricity generated in Unit B determined on an annual basis. [ For verification method see examples for SPVs].



3. Further, if the Generating Plant declares themselves as Captive Generating Plant and wheel power to their captive users from the middle of the financial year, in such case, the generation from the date of Energy Wheeling Agreement to their captive users upto the end of the respective financial year shall alone have to be taken into account as aggregate generation for verification of captive norms.

4. The above illustrations are common for verification of CGP status in respect of all type of CGPs such as Fossil Fuel based CGPs/NCES based CGPs.

5. Hence, all the Superintending Engineers of Distribution Circles are hereby informed to follow above instructions scrupulously.

(By Order of the Chairman-cum-Managing Director)

V. Umamageswari,  
Chief Financial Controller/Revenue/TANGEDCO.

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TANTRANSCO – Financial assistance of Rs.2580.08 Crores for Establishment of 765/400 KV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line evacuating the Power from various Thermal Generating Power Projects in North Chennai & Ennore Area - sanctioned by Power Finance Corporation Ltd., (PFC Ltd.,) New Delhi – Acceptance of Loan – Approved by the Borrowing Committee – Orders Issued.

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(Accounts Branch)

(Per.) CH TANTRANSCO Proceedings No.4,

Dated the 16<sup>th</sup> March 2017.

Panguni 3, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

1. PFC/No.03/22/TANTRANSCO/NCPS/Vol.I/36203071/044557, Dt. 30.12.2016.
2. Approved by the Borrowing Committee on 16.03.2017.

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#### PROCEEDINGS:

The Power Finance Corporation, New Delhi, has sanctioned financial assistance to TANTRANSCO Ltd., of Rs.2580.08 Crores (Rupees Two thousand five hundred and eighty crores and eight lakhs only) vide their sanction letter dt.30.12.2016 for Establishment of 765/400 KV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line evacuating the Power from various Thermal Generating Power Projects in North Chennai & Ennore Area in Chennai Operational Circle of Chennai North Region of Tamil Nadu, the details of the scheme is as follows:

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction Letter	Total Estimated Cost (Rs. In Crs)	Sanctioned amount dc 90% (Rs. In Crs.)
1)	3620-3071	Establishment of 765/400 kV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line for evacuating the Power from various Thermal Generating Power Projects in North Chennai and Ennore Area in Chennai Operational Circle of Chennai North Region of Tamil Nadu.	30.12.2016	2866.75	2580.08

## 2. TERMS AND CONDITIONS:

PFC Ltd., has sanctioned the financial assistance of Rs.2580.08 Crores (Rupees Two thousand five hundred and eighty crores and eight lakhs only) for Establishment of 765/400 kV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line for evacuating the Power from various Thermal Generating Power Projects in North Chennai and Ennore Area in Chennai Operational Circle of Chennai North Region of Tamil Nadu as mentioned in their sanction letter Dt.30.12.2016 as in para-1 with same Terms and Conditions and the following Special Terms & Conditions.

### PRE-COMMITMENT CONDITIONS:

1. TANTRANSCO to submit an undertaking to file the tariff petition for FY 2015-16 & FY 2016-17 and MYT tariff petition for third control period from FY 2016-17 to FY 2018-19 by 31<sup>st</sup> December 2016.

2. TANTRANSCO shall submit an undertaking to obtain in principle approval from TNERC for the schemes covered in the subject proposal.

3. TANTRANSCO shall submit an undertaking that the approval of TNERC to the proposed investment would be obtained and the same shall be submitted to PFC during the course of implementation of the project

4. TANTRANSCO shall submit an undertaking that any observation from TNERC about this project will be intimated to PFC.

5. TANTRANSCO shall submit an undertaking that in case investment in the projects covered in this loan is not approved by TNERC, TANTRANSCO shall refund the entire amount disbursed in the project to PFC with interest within six months from TNERC's intimation regarding the same to TANTRANSCO.

6. TANTRANSCO shall submit an undertaking that it will not make any investment in a scheme for which approval has been denied by TNERC.

7. TANTRANSCO shall give an undertaking that in the event of reduction of project cost by TNERC, the loan amount shall be reduced proportionally.

8. TANTRANSCO shall submit an undertaking to implement and adhere to the norms and any other additional terms and conditions mandated by statutory and/or regulatory agencies and obtain all applicable permits/clearances/ approvals including forest clearance, if applicable as and when required during implementation and commissioning of the project.

9. TANTRANSCO shall submit an undertaking that the Project land shall not be mortgaged in favour of any other lenders and shall not be disposed-off during the currency of PFC loan, wherever applicable.

PRE-DISBURSEMENT CONDITIONS:

1. Security coverage (by the way of charge on asset) of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.
2. Escrow coverage of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.
3. TANTRANSCO shall clear all outstanding dues to PFC.

OTHER CONDITION:

1. TANTRANSCO shall file the tariff petition for FY 2015-16 & FY 2016-17 and MYT tariff petition for third control period from FY 2016-17 to FY 2018-19 BY 31<sup>st</sup> December 2016.
2. TANTRANSCO shall complete the reconciliation of receivables and payables inter-se between TANGEDCO & TANTRANSCO and give effect to in its accounts for FY 2016-17.
3. Reimbursement of expenses incurred from 1<sup>st</sup> January 2016 shall be permissible.

3. DOCUMENTS REQUIRED AT THE TIME OF EXECUTION /SIGNING OF LOAN DOCUMENTS:

1. Extract of Board Resolution, duly attested by the Secretary/Company Secretary, accepting the loan on the terms and conditions of PFC and authorizing an officer to accept and agree to said terms and conditions and execute the relevant loan documents/undertakings etc.
2. Resolution under section 180(1)(a) and 180(1)(c) of the Companies Act 2013, duly attested by Company Secretary (applicable to entities registered under Companies Act, 2013).
3. Specimen signatures of authorized signatory duly attested by Secretary/ Company Secretary as the case may be.
4. Certificate of compliance of laws, bye-laws, etc. applicable to the borrower to be issued by the Company Secretary/Secretary of the borrower, as the case may be.
5. Certificate from the Company Secretary/Statutory Auditors of the Borrower that the borrowing is within the borrowing limits with details thereof.
6. Certificate in prescribed format that the borrower shall continue to be the owner and in physical possession of the project till the outstanding loan amount is fully liquidated.
7. Option letter whereby borrower either opts to pay commitment charges as per clause 5.1 of standard terms and conditions or upfront fees.
8. Option letter whereby borrower opts for the reset period-3, 5 or 10 years.
9. Certificate from the borrower, in the prescribed format, that the borrower has received a copy of Operational Policy Statement (OPS) of PFC and confirming that the borrower is aware of the terms and conditions of OPS which shall also apply to this loan.

10. Quarter-wise drawl schedule.

11. Undertakings from the Borrower in terms of clause 18.0 of the terms and conditions annexed hereto.

**4. TANTRANSCO SHALL EXECUTE THE FOLLOWING DOCUMENTS TO PFC LTD AT THE TIME OF DISBURSEMENT OF LOAN:**

- i) Tripartite Escrow Agreement in the prescribed format.
- ii) Either State Govt. guarantee in the prescribed format or in the case of charge on assets, security documents in the prescribed format.
- iii) Materials and equipment schedule, in the prescribed format, for the project/scheme to be financed under the loan.

5. After careful examinations, the Borrowing Committee of TANTRANSCO on behalf of the Board of Directors has approved on-16.03.2016 the proposal of availment of the Financial assistance of Rs.2580.08Crores from Power Finance Corporation Ltd., along with their Terms and Conditions on the sanction letter mentioned thereon.

6. Borrowing committee of TANTRANSCO has also passed the following Resolutions.

**RESOLUTIONS**

I. RESOLVED that the offer of Power Finance Corporation Ltd., providing the loan assistance of Rs.2580.08 Crores (Rupees Two thousand five hundred and eighty crores and eight lakhs only) for Establishment of 765/400 kV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line for evacuating the Power from various Thermal Generating Power Projects in North Chennai and Ennore Area in Chennai Operational Circle of Chennai North Region of Tamil Nadu be accepted, details is as below:

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction	Total Estimated Cost (Rs. In Crs)	Sanctioned amount 90% (Rs. In Crs.)
1)	3620-3071	Establishment of 765/400 kV GIS North Chennai Pooling Station at Ennore and its Associated Transmission line for evacuating the Power from various Thermal Generating Power Projects in North Chennai and Ennore Area in Chennai Operational Circle of Chennai North Region of Tamil Nadu.	30.12.2016	2866.75	2580.08

II. RESOLVED FURTHER that the Chairman /TANTRANSCO be and is hereby authorized to accept any special conditions that may be stipulated by Power Finance Corporation Limited., and that such acceptable terms and conditions may be communicated to Power Finance Corporation Limited., by the Chief Financial Controller of the TANTRANSCO on behalf of the Chairman /TANTRANSCO.

III. RESOLVED FURTHER that the Chief Financial Controller/TANTRANSCO be and is hereby authorized to execute relevant loan documents, any amendments, such certificates and other writings and create security by way of creation of charges on future assets on behalf of the TANTRANSCO.

IV. RESOLVED FURTHER that the common seal of the company be affixed on the security documents and any other related documents as may be required by M/s. Power Finance Corporation Ltd., in the presence of the Director (Finance) and Managing Director (or) Director/Transmission Project and the Company Secretary shall sign the same in token thereof.

V. RESOLVED FURTHER that the Company Secretary / TANTRANSCO be and is hereby authorised too file the charges created with Registrar of Companies (ROC) within 30days from the date of execution of loan documents.

(By Order of the Chairman/TANTRANSCO)

K. Muthupandian,  
Chief Financial Controller/TANTRANSCO.

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TANTRANSCO – TANTRANSCO – Financial assistance of Rs.281.77Crores (118.19+163.58) for Establishment of 2 Nos. 230/110 KV SS with 2x100 MVA, 230/110 KV Auto Transformers at Mondipatti in Trichy Operation Circle and at uddanapally in Thiruvallam Operation Circle, Tamil Nadu - sanctioned by Power Finance Corporation Ltd., (PFC Ltd.,) New Delhi – Acceptance of Loan – Approved by the Borrowing Committee – Orders Issued.

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(Accounts Branch)

(Per.) CH TANTRANSCO Proceedings No. 5

Dated the 16<sup>th</sup> March 2017.  
Panguni 3, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

1. PFC/No.03/29/TANTRANSCO/Mondipatti/Vol.I/36203074/046055 Dt. 23.2.2017.
2. PFC/No.03/29/TANTRANSCO/Uddanapally/Vol.I/36203075/046057 Dt. 23.2.2017.
3. Approved by the Borrowing Committee on 16.03.2017.

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#### PROCEEDINGS:

The Power Finance Corporation, New Delhi, has sanctioned financial assistance of Rs.281.77Crores (118.19+163.58) (Rupees Two hundred and eighty one crores and seventy seven lakhs only) vide their sanction letters dt.23.2.2017 for Establishment of 230/110 KV SS with 2x100 MVA, 230/100 Auto Transformers at Mondipatti in Tamil Nadu New Prints & Paper Ltd's (TNPL) premises in Trichy Operation Circle of Tamil Nadu and for Establishment of 230/110 KV SS at Uddanapally with 2x100 MVA, 230/110 KV Auto Transformers in Thiruvallam Operational Circle of Tamil Nadu, the details of the schemes are as follows:

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction Letter	Total Estimated Cost (Rs.In Crs)	Sanctioned amount 90% (Rs. In Crs.)
1)	3620-3074	Establishment of 230/110 KV SS with 2x100 MVA, 230/100 Auto Transformers at Mondipatti in Tamil Nadu New Prints & Paper Ltd's (TNPL) premises in Trichy Operation Circle of Tamil Nadu.	23.2.2017	131.32	118.19
2	3620-3075	Establishment of 230/110 KV SS at Uddanapally with 2x100 MVA, 230/110 KV Auto Transformers in Thiruvallam Operational Circle of Tamil Nadu	23.2.2017	181.76	163.58
			Total	313.08	281.77

## 2. TERMS AND CONDITIONS:

PFC Ltd., has sanctioned the financial assistance of Rs.281.77Crores (118.19+163.58) (Rupees Two hundred and eighty one crores and seventy seven lakhs only) for Establishment of 230/110 KV SS with 2x100 MVA, 230/100 Auto Transformers at Mondipatti in Tamil Nadu New Prints & Paper Ltd's (TNPL) premises in Trichy Operation Circle of Tamil Nadu and for Establishment of 230/110 KV SS at Uddanapally with 2x100 MVA, 230/110 KV Auto Transformers in Thiruvallam Operational Circle of Tamil Nadu, as mentioned in their sanction letters Dt.23.2.2017 as in para-1 with same Terms and Conditions and the following Special Terms & Conditions.

### PRE-COMMITMENT CONDITIONS:

1. TANTRANSCO shall submit an undertaking to obtain in principle approval from TNERC for the proposed project.

2. TANTRANSCO shall submit an undertaking that the approval of TNERC to the proposed investment would be obtained and the same shall be submitted to PFC during the course of implementation of the project.

3. TANTRANSCO shall submit an undertaking that any observation from TNERC about this project will be intimated to PFC.

4. TANTRANSCO shall submit an undertaking that in case investment in the projects covered in this loan is not approved by TNERC, TANTRANSCO shall refund the entire amount disbursed in the project to PFC with interest within six months from TNERC's intimation regarding the same to TANTRANSCO.

5. TANTRANSCO shall submit an undertaking that it will not make any investment in a scheme for which approval has been denied by TNERC.

6. TANTRANSCO shall give an undertaking that in the event of reduction of project cost by TNERC, the loan amount shall be reduced proportionally.

7. TANTRANSCO shall submit an undertaking to implement and adhere to the norms and any other additional terms and conditions mandated by statutory and/or regulatory agencies and obtain all applicable permits/clearances/ approvals including forest clearance, if applicable as and when required during implementation and commissioning of the project.

8. TANTRANSCO shall submit an undertaking to acquire the land, if applicable for the proposed Sub-station(s) in the name of TANTRANSCO for the project within six (6) months of first disbursement.

9. TANTRANSCO shall submit an undertaking that the project land shall not be mortgaged in favour of any other lenders and shall not be disposed –off during the currency of PFC loan, wherever applicable.

PRE-DISBURSEMENT CONDITIONS:

1. Security coverage (by the way of charge on asset) of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.

2. Escrow coverage of 1.1 times of the portion loan amount which is not in excess of normal prudential exposure limit of 100% of PFC net worth, as on the date of loan documentation.

3. TANTRANSCO shall clear all outstanding dues to PFC.

OTHER CONDITION:

1. TANTRANSCO shall complete the reconciliation of receivables and payable inter-se between TANGEDCO & TANTRANSCO and give effect to in its accounts for FY 2016-17.

2. Reimbursement of expenses incurred from 1<sup>st</sup> April 2015 shall be permissible.

3. DOCUMENTS REQUIRED AT THE TIME OF EXECUTION /SIGNING OF LOAN DOCUMENTS:

1. Extract of Board Resolution, duly attested by the Secretary/Company Secretary, accepting the loan on the terms and conditions of PFC and authorizing an officer to accept and agree to said terms and conditions and execute the relevant loan documents/undertakings etc.

2. Resolution under section 180(1)(a) and 180(1)(c) of the Companies Act 2013, duly attested by Company Secretary (applicable to entities registered under Companies Act, 2013).

1. Specimen signatures of authorized signatory duly attested by Secretary/ Company Secretary as the case may be.

2. Certificate of compliance of laws, bye-laws, etc. applicable to the borrower to be issued by the Company Secretary/Secretary of the borrower, as the case may be.

3. Certificate from the Company Secretary/Statutory Auditors of the Borrower that the borrowing is within the borrowing limits with details thereof.

4. Certificate in prescribed format that the borrower shall continue to be the owner and in physical possession of the project till the outstanding loan amount is fully liquidated.

5. Option letter whereby borrower either opts to pay commitment charges as per clause 5.1 of standard terms and conditions or upfront fees.

6. Option letter whereby borrower opts for the reset period-3, 5 or 10 years.

7. Certificate from the borrower, in the prescribed format, that the borrower has received a copy of Operational Policy Statement (OPS) of PFC and confirming

that the borrower is aware of the terms and conditions of OPS which shall also apply to this loan.

8. Quarter-wise drawl schedule.

9. Undertakings from the Borrower in terms of clause 18.0 of the terms and conditions annexed hereto.

**4. TANTRANSCO SHALL EXECUTE THE FOLLOWING DOCUMENTS TO PFC LTD AT THE TIME OF DISBURSEMENT OF LOAN:**

i) Tripartite Escrow Agreement in the prescribed format.

ii) Either State Govt. guarantee in the prescribed format or in the case of charge on assets, security documents in the prescribed format.

iii) Materials and equipment schedule, in the prescribed format, for the project/scheme to be financed under the loan.

5. After careful examinations, the Borrowing Committee of TANTRANSCO on behalf of the Board of Directors has approved on 16.03.2017, the proposal of availment of the Financial assistance of Rs.281.77Crores from Power Finance Corporation Ltd., along with their Terms and Conditions on the sanction letter mentioned thereon.

6. Borrowing committee of TANTRANSCO has also passed the following Resolutions.

**RESOLUTIONS**

RESOLVED that the offer of Power Finance Corporation Ltd., providing the loan assistance of Rs.281.77Crores (118.19+163.58) (Rupees Two hundred and eighty one crores and seventy seven lakhs only) vide letters dt.23.2.2017 for the following Transmission Schemes be accepted:

Sl.No.	Loan No.	Name of the Scheme	Date of Sanction	Total Estimated Cost (Rs.In Crs)	Sanctioned amount 90% (Rs. In Crs.)
1)	3620-3074	Establishment of 230/110 KV SS with 2x100 MVA, 230/100 Auto Transformers at Mondipatti in Tamil Nadu New Prints & Paper Ltd's (TNPL) premises in Trichy Operation Circle of Tamil Nadu.	23.2.2017	131.32	118.19
2	3620-3075	Establishment of 230/110 KV SS at Uddanapally with 2x100 MVA, 230/110 KV Auto Transformers in Thiruvallam Operational Circle of Tamil Nadu	23.2.2017	181.76	163.58
		Total		313.08	281.77

II. RESOLVED FURTHER that the Chairman /TANTRANSCO be and is hereby authorized to accept any special conditions that may be stipulated by Power Finance Corporation Limited., and that such acceptable terms and conditions may be communicated to Power Finance Corporation Limited by the Chief Financial Controller/ TANTRANSCO on behalf of the Chairman /TANTRANSCO.



III. RESOLVED FURTHER that the Chief Financial Controller/ TANTRANSCO be and is hereby authorized to execute relevant loan documents, any amendments, such certificates and other writings and create security by way of creation of charges on future assets on behalf of the TANTRANSCO.

IV. RESOLVED FURTHER that the common seal of the company be affixed on the security documents and any other related documents as may be required by M/s. PFC Ltd., in the presence of the Director (Finance) and Managing Director (or) Director / Transmission Project and the Company Secretary shall sign the same in token thereof.

V. RESOLVED FURTHER that the Company Secretary/TANTRANSCO be and is hereby authorised to file the charges created with Registrar of Companies (ROC) within 30 days from the date of execution of loan Documents.

(By Order of the Chairman/TANTRANSCO)

K. Muthupandian,  
Chief Financial Controller/TANTRANSCO.

\* \* \*

CERC's vide order dated : 25.10.2016 in Petition No.129/TT/2016 - Revision of tariff after truing up of capital expenditure for the period from 1.4.2009 to 31.3.2014 and determination of transmission tariff for the period 2014 - 19 in respect of RCE for Neelamangala-Mysore 400 KV D/C transmission line alongwith 2 x 315 MVA, 400/200 KV ICTs at Mysore substation in Southern Region - Approval of the Chairman cum Managing Director - Communicated.

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(Accounts Branch)

(Per.) CMD TANGEDCO Proceedings No.15

Dated the 16<sup>th</sup> March 2017.  
Panguni 3, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

CMD note approval dated 06.03.2017.

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#### PROCEEDINGS:

1. CERC vide its order dated 25.10.2016 in Petition No. 129/TT/2016, has awarded revision of tariff after truing up capital expenditure for the period from 1.4.2009 to 31.3.2014 and determination of transmission tariff for the period 2014-19 in respect of RCE for Neelamangala-Mysore 400 KV D/C transmission line alongwith 2x315 MVA, 400/220KV ICTs at Mysore substation in Southern Region, in accordance with CERC (Terms and Conditions of Tariff) Regulations, 2009 and 2014.

2. The revised cost estimate of Rs. 16889 lakh including IDC of Rs. 841 lakh for the period 2009-14, which is detailed below:

(Rs. in lakhs)

Transmission Charges	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	757.61	757.61	757.61	757.65	757.68
Interest on Loan	699.12	643.41	592.05	549.45	503.89
Return on Equity	750.56	778.05	783.83	798.57	819.74
Interest on Working Capital	76.91	78.09	79.01	80.40	81.98
O & M Expenses	617.81	653.19	690.58	730.04	771.74
Total	2902.01	2910.36	2903.09	2916.11	2935.03

The trued capital cost of Rs. 15493.00 lakh including IDC of Rs. 1488 lakh as on 1.4.2014 was admitted by Hon'ble Commission in its order dated 30.12.2015 in Petition No. 216/TT/2014 and the same was adopted by the Board and communicated vide B.P. (CH) No. 299, dated 07.06.2016, which is detailed below:

(Rs. in lakhs)

Transmission Charges	2014-15	2015-16	2016-17	2017-18	2018-19
Depreciation	757.68	757.68	757.68	757.68	757.68
Interest on Loan	449.72	394.32	339.65	287.17	237.77
Return on Equity	821.46	821.46	821.46	821.46	821.46
Interest on Working Capital	85.87	85.90	85.98	86.16	86.46
O & M Expenses	709.02	732.61	756.92	782.02	807.97
Total	2823.75	2791.97	2761.69	2734.49	2711.35

3. Now, CERC in its order dt. 25.10.2016 in Petition No.129/TT/2016 has approved the transmission tariff after truing up for the above asset based on the revised capital cost for the tariff period 2009-14 and is detailed below:

(Rs. in lakhs)

Transmission Charges	2009-10	2010-11	2011-12	2012-13	2013-14
Depreciation	757.61	757.61	757.61	757.65	757.68
Interest on Loan	699.12	643.41	592.05	549.45	525.39
Return on Equity	750.56	778.05	783.83	798.57	843.76
Interest on Working Capital	76.91	78.09	79.01	80.40	82.93
O & M Expenses	617.81	653.19	690.58	730.04	771.74
Total	2901.99	2910.37	2903.08	2916.11	2981.50

4. Based on the revised capital cost worked out for 2009-14 the Central Commission has approved the annual fixed charges for the period 2014-19 as below:

(Rs. in lakhs)

Particulars	2014-15	2015-16	2016-17	2017-18	2018-19
Depreciation	757.68	757.68	757.68	757.68	757.68
Interest on Loan	492.85	437.66	383.35	331.71	284.21
Return on Equity	869.49	869.49	869.49	869.49	869.49
Interest on Working Capital	87.96	88.00	88.09	88.29	88.63
O & M Expenses	709.02	732.61	756.92	782.02	807.97
Total	2917.00	2885.43	2855.52	2829.19	2807.98

5. Tamil Nadu Generation and Distribution Corporation Ltd., erstwhile TNEB has empowered the Chairman to issue orders accepting the award of CERC vide (Per) B.P. (FB) No.5, dt. 23.2.2004.

In line with the above CMD/TANGEDCO has accorded approval for accepting the Revision of tariff after truing up of capital expenditure for the period from 1.4.2009 to 31.3.2014 and determination of transmission tariff for the period 2014-19 in respect of RCE for Neelamangala-Mysore 400 KV D/C transmission line alongwith 2x315 MVA, 400/220 KV ICTs at Mysore substation in Southern Region as detailed in Para 2 to 4 above.

(By Order of the Chairman - cum - Managing Director /TANGEDCO)

M. Manoharan,  
Chief Financial Controller/Regulatory Cell.

\* \* \*

Memo.No.CFC/REV/FC/REV/AS.3/F.CGP/D.203/17, (Accts.Br.) dated.18.03.2017

Sub : TANGEDCO – Ensuring the Status of Captive Generating Plant – Instructions issued - Regarding.

Ref : 1. Memo.No.CFC/REV/FC/REV/AS.3/REV/D.320/17,  
dt.24.02.2017.

2. Circular.Memo.No.CFC/FC/REV/AS.3/D.325 /17,  
dated.15.03.2017.

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The Captive Generating Plant status of the Captive Generators have to be scrutinised and confirmed annually so as to or not to levy the Cross Subsidy Surcharges who have been not maintaining or maintaining the captive status, as the case may be, from the HT Consumers involved in the wheeling of energy from such Captive Generating Plants. Time and again it is being instructed to the EDCs to scrutinize and confirm the CGP status of the Generating Plants and ensure that wherever Cross Subsidy Surcharge has to be allowed or claimed from the HT consumers.

2.0) It has been brought to our notice that the work of checking the CGP status is yet to be completed fully. Therefore, the SEs/EDCs may confirm whether the CGP Status have been verified in respect of all Captive Generating Plant coming under their jurisdiction for the F.Y. 2014 - 15, 2015 - 16, 2016 - 17.

2.1) The captive status for a F.Y. may be scrutinised taking into consideration the following details: -

1. Auditor's certificate clearly indicating investment in/paid up Equity Share Capital with voting rights by the Captive users from the Generating plant along with Form - II and also the details of investment in the captive power plant for the Financial Year, as on 1<sup>st</sup> April ; 31<sup>st</sup> March and for any changes, if arisen during that Financial Year on such dates.

2. Copy of the audited balance sheet in respect of the Generating Company and that of the captive users for the respective Financial years. Wherever Audited Balance Sheet is not available, Provisional Balance Sheet certified by the Auditor may be furnished.

3. Copy of the latest Return furnished to Registrar of Company by the Generating plant regarding Equity shares held by the Share holders with voting rights; percentage

of Equity shares held by captive users together with money payment receipt [Form V] paid by the captive users.

4. Auditors Certificate on the Issued and Paid up Equity Share capital with voting rights of a Generating plant, as on 1<sup>st</sup> April ; 31<sup>st</sup> March and for any changes during the Financial Year that might have arisen.

5. Where the Generating plant is owned by a Partnership Company, a copy of the Partnership Deed and details of the Principal Partner .

6. Month - wise detail on the following - (Generator EWA - wise): -

- a. Export – Slot - wise,
- b. Import – Slot - wise,
- c. Net Export – Slot - wise,
- d. Units available for captive consumption - Slot - wise,
- e. Units for Third Party sale, if any - Slot - wise,
- f. Units under Sale to Board , if any – Slot - wise,
- g. Allotted energy for Captive Consumer - Slot - wise,
- h. Adjusted energy under Captive Consumer – Slot - wise,
- i) Banking - Slot - wise.
- j) Unutilized banked energy, if any.

7. All the above details shall be self attested by the authorized signatory of the Co., and the Principal Partner in case of a Partnership Co., The Board resolution for the 'authorised signatory' shall be obtained from the Company.

2.2) The Generator details may be called for, if not already done, duly giving them 7 working days time for the same, though the period is already over for the Financial Year 2014 - 15 & 2015 – 16. The details for the F.Y. 2016 - 17 may be called for immediately. The Notice may be issued without fail under Registered Post with Acknowledgement Due (RPAD) and such acknowledgement shall be properly filed in the respective dockets.

2.3) It may also be intimated to the Generators as well as HT Consumers that the onus of furnishing of details and ensuring their status as a Captive Generating Plant as per Electricity Rules, 2005, lies with themselves.

2.4) The Generators may also be requested to furnish the details within the due date fixed failing which it may be construed that they have no relevant details to be furnished to confirm the CGP status and that the generator has not maintained the captive status and therefore TANGEDCO shall consider such wheeling of energy from such Generating Plant as if it is a supply of energy from a Generating Plant which will entitle TANGEDCO for the levy of Cross Subsidy Surcharge as per the rules and orders in - force.

3.0) In respect of each of the Financial Years all details to ensure CGP status may be obtained and scrutinizing work may be arranged to be commenced immediately, if not already commenced, so as to complete the same on or before 20.04.2017. If it is ensured that the CGP status is lost by the generator, it will entitle TANGEDCO for the levy of Cross Subsidy Surcharge as per rules and orders in - force.

4.0) As this is a yearly and periodical process, such verification shall be carried out every year without being reminded by the Head Quarters.

4.1) The Generators may also be informed to submit the details periodically without being sought for, on a periodical basis, at the time of commencement and closure of Financial Year and as well whenever any changes in this subject arises.

This shall be treated as very urgent and suitable letter (model enclosed) may be communicated to the Generators/Users separately for each Financial Years 2014-15, 2015-16, 2016-17 & 2017-18 & subsequent years, accordingly.

S. Arulsamy,  
Director (Finance) /TANGEDCO.

Under RPAD

TAMILNADU GENERATION AND DISTRIBUTION CORPORATION LTD.

\_\_\_\_\_ Electricity Distribution Circle

Notice/Intimation to all HT Generators/HT Consumers seeking to produce relevant Records to satisfy the Captive Generating status of the Generating Plant as per Electricity Rules, 2005.

From  
Superintending Engineer,  
\_\_\_\_\_ EDC,

To  
M/s: \_\_\_\_\_,  
HT SC No: \_\_\_\_\_,  
Tariff: \_\_\_\_\_,  
Distrib: \_\_\_\_\_,  
Address: \_\_\_\_\_,  
\_\_\_\_\_, \_\_\_\_\_,  
\_\_\_\_\_.

LR.NO.SE/-----EDC/DFC/-----/F.CGP Status/D /Dt: \_\_\_\_\_

Dear Sirs/Madam,

Sub: Elecy – \_\_\_\_\_ Elecy.Distn.Circle- Ensuring the CGP  
Status for the

F.Y. 2016-17 calling for Relevant Records-regarding.

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You are hereby informed that your HT Service Connection No. \_\_\_\_\_, under Tariff \_\_\_\_\_, is under Wheeling of Energy to/from your Captive Consumer/Generator. In order to ensure that the Wheeling of Energy under captive status is maintained throughout the Financial Year as per Electricity Rules, 2005, the following details may be furnished:

1. Auditor's Certificate clearly indicating investment in/Paid up Equity Share Capital with voting rights by the Captive users from the Generating plant along with Form-II and also the details of investment in the captive power plant for the Financial Year 2016-17, as on 01.04.2016; 31.03.2017 and for any changes, if arisen during the F.Y.2016-17, on such dates.

2. Copy of the Audited Balance Sheet in respect of the Generating Company and that of the captive users for the respective Financial year. Wherever Audited Balance Sheet is not available, Provisional Balance Sheet certified by the Auditor may be furnished.

3. Copy of the latest Return furnished to Registrar of Company by the Generating plant regarding Equity Shares held by the Shareholders with voting rights; percentage of Equity Shares held by captive users together with money payment receipt [Form V] paid by the captive users.

4. Auditor's Certificate on the Issued and Paid up Equity Share Capital with voting rights of a Generating plant, as on 01.04.2016; 31.03.2017 and for any changes during the year 2016-17 that might have arisen.

5. Where the Generating plant is owned by a Partnership Company, a copy of the Partnership Deed and details of the Principal Partner.

6. Month wise detail on the following- (Generator EWA-wise):-

- a. Export- Slot-wise,
- b. Import- Slot-wise,
- c. Net Export – Slot-wise,
- d. Units available for captive consumption- Slot-wise,
- e. Units for Third Party sale, if any- Slot-wise
- f. Units under Sale to Board, if any- Slot-wise.
- g. Allotted energy for Captive Consumer- Slot-wise.
- h. Adjusted energy under Captive Consumer – Slot-wise.
- i) Banking- Slot-wise.
- j) Unutilized banked energy, if any.

6.1) The Financial Year wise consolidation of the above details-EWA-wise

7. All the above details shall be self attested by the authorized signatory of the Company and the Principal Partner in case of a Partnership Co. The Board resolution for the 'authorised signatory' shall be obtained from the Company.

2.0) The above details relevant to Generator/User may be obtained from the respective Generator/User so as to ensure captive status of the Generator and ensure that energy is wheeled from a Captive Generating Plant.

3.0) The above details shall be furnished on or before ..... It shall be noted that the onus of furnishing of details and ensuring the Captive Generating Plant status as per Electricity Rules, 2005 lies with the Generators/Users.

4.0) Non-furnishing of details will be construed that you do not have any relevant details to be furnished to confirm the CGP status and that you have failed to maintain captive status throughout the year and therefore TANGEDCO shall consider such wheeling of energy from your Generating Plant as if it is a supply of energy from a Generating Plant which will entitle TANGEDCO for the levy of Cross Subsidy Surcharge as per the rules and orders in force.

5.0) When the CGP status is lost by You (Generator/Users) as per the Electricity Rules, 2005, for the Financial Year 2016-17, then it will entitle TANGEDCO for the levy of Cross Subsidy Surcharge as per the rules and orders in force.

6.0) As this is a yearly and periodical process such verification shall be carried out every year even without being reminded by the TANGEDCO Offices concerned.

6.1) You (Generator/users) are also informed to submit the details periodically without being sought for, on a periodical basis, at the time of commencement, during the Financial Year, closure of Financial Year and also whenever any changes in this subject arises.

Yours faithfully,  
Superintending Engineer,  
-----EDC

//True Copy//

\* \* \*

Circular Memo.No.CFC/GI/FC/P/DFC/W/AAO/T/D27/PR No.36/17, (Accts.Br.)

dated.21.03.2017

Sub : TANGEDCO - Remittance of EMD by bidders for e-tender  
by way of Account transfer - Instruction issued - Regarding.

Ref : 1. Circular.Memo.No.CFC/GL/FC/DFC/W/AAO/T/D.27/PR.  
No.151/17 dated.03.01.2017.

2. Circular.Memo.No.CFC/GL/FC/DFC/W/AAO/T/D.27/PR.  
No.22/17 dated.13.02.2017.

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In the circular cited under reference (1) & (2), all tender inviting authorities of TANGEDCO and TANTRANSCO were instructed to adopt e-tender process.

Chief Engineer/NCTPS - Stage-1 vide letter dated 06.03.2017 has requested clarification as to whether bidders may be permitted to remit the EMD by way of account transfer through same bank since there is no transaction evidence available for account transfer while submitting the bid through e-tendering except copy of bank account scroll of the bidders.

In this connection, it is to clarify that in TANGEDCO and TANTRANSCO tenders, the bidders who are willing to remit EMD through Bank Account transfer may be permitted by way of account transfer of same bank and insisted to place a copy of bank account scroll of bidders duly exhibiting the transaction of EMD amount with details of name of the bank, bank account number of the bidder, and IFSC code, so as to verify the credit of same in TANGEDCO bank account scroll of ensuring the EMD compliance of bidders. A provision regarding the above may be incorporated suitably in the Tender Specifications to adopt the above.

K.Sundaravadharam,  
Chief Financial Controller/TANGEDCO.

\* \* \*

Memo.No.CFC/REV/FC/REV/AS.3/F.CGP/D.329 /17, (Accts.Br.) dated.30/31.03.2017

Sub : Elecy - Captive Norms Verification in accordance with  
Electricity Rules - 2005 - Certain clarification - Issued -  
Regarding.

- Ref : 1. Circular.Memo.No.CFC/FC/REV/AS.3/D.325/17, dated.15.03.2017.
2. Memo.No.CFC/ REV/FC/ REV/ AS.3/ F.CGP/ D.203/ 17, dated.18.03.2017.
3. Circular Memo.No.CE/NCES/SE/EE/WPP/AEE2/ F.Banking instruction/D.903/17, dated: 30/31.03.2017.

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In the circular under reference (1) cited, the clarification with illustrations for verification of CGP status as per Electricity Rules - 2005 has been issued. In continuation to the above, the Rule 3 of the Electricity Rules - 2005, based on which the CGP status has to be verified is reproduced below:

" 3. Requirements of Captive Generating Plant:

(1). No power plant shall qualify as a 'captive generating plant' under Section 9 read with clause (8) of section 2 of the Act unless -

(a) in case of a power plant –

- (i). Not less than twenty six percent of the ownership is held by the captive user(s), and
- (ii) not less than fifty one percent of the aggregate electricity generated in such plant, determined on an annual basis, is consumed for the captive use:

Provided that in case of power plant set up by registered cooperative society, the conditions mentioned under paragraphs at (i) and (ii) above shall be satisfied collectively by the members of the co-operative society:

Provided further that in case of association of persons, the captive user(s) shall hold not less than twenty six percent of the ownership of the plant in aggregate and such captive user(s) shall consume not less than fifty one percent of the electricity generated, determined on an annual basis, in proportion to their shares in ownership of the power plant with in a variation not exceeding ten percent;

(b) in case of a generating station owned by a company formed as special purpose vehicle for such generating station, a unit or units of such generating station identified for captive use and not the entire generating station satisfy(ies) the conditions contained in paragraphs (i) and (ii) of sub - clause (a) above including -

Explanation :-

(1) The electricity required to be consumed by captive users shall be determined with reference to such generating unit or units in aggregate identified for captive use and not with reference to generating station as a whole; and

(2) the equity shares to be held by the captive user(s) in the generating station shall not be less than twenty six per cent of the proportionate of the equity of the company related to the generating unit or units identified as the captive generating plant.

Illustration: In a generating station with two units of 50 MW each namely Units A and B, one unit of 50 MW namely Unit A may be identified as the Captive Generating Plant. The captive users shall hold not less than thirteen percent of the equity shares in the company (being the twenty six percent proportionate to Unit A of 50 MW) and not less than fifty one percent of the electricity generated in Unit A



determined on an annual basis is to be consumed by the captive users.

(2). It shall be the obligation of the captive users to ensure that the consumption by the Captive Users at the percentages mentioned in Sub - clauses (a) and (b) of sub - rule (1) above is maintained and in case the minimum percentage of captive use is not complied with in any year, the entire electricity generated shall be treated as if it is a supply of electricity by a generating company.

Explanation. - (1) For the purpose of this rule. -

a. "Annual Basis " shall be determined based on a financial year;

b. "Captive User" shall mean the end user of the electricity generated in a Captive Generating Plant and the term "Captive Use" shall be construed accordingly;

c. "Ownership" in relation to a generating station or power plant set up by a company or any other body corporate shall mean the equity share capital with voting rights. In other cases ownership shall mean proprietary interest and control over the generating station or power plant;

d. "Special Purpose Vehicle" shall mean a legal entity owning, operating and maintaining a generating station and with no other business or activity to be engaged in by the legal entity."

2 ) From the above, it can be understood that the twin rules viz the Ownership and the Consumption have to be satisfied as per the Rules - 2005 in order to qualify as a CGP. If the status of Captive generating plant is lost due to any ONE of the reasons (or) both reasons, the entire electricity generated shall be treated as if it is a supply of electricity by a generating company.

3) For the purpose of checking the ownership of the Generating plant, the documents mentioned in the reference under (2) cited may be scrutinized. As per the Electricity Rules 2005, in the case of power plant set up by a company or any other body corporate, "Not Less Than 26% Equity Share capital with voting rights" shall be held by the captive users so as to be treated as a CGP. "Not less than 26%" means "Equal To (or) More Than 26% Equity Shares with voting rights" may be held by the captive users. Such Equity Shares may be fully paid - up. The paid - up Equity Share Capital with voting rights only shall be considered for the purpose of calculating the Ownership held by the captive user(s).

4) As per the Companies Act, "Equity Share Capital" with reference to any company limited by shares, means all share capital which is not preference share capital. Therefore, any other form of shares like preference share [whether cumulative (or ) non cumulative; redeemable (or) irredeemable] will not form part of the calculation of "Not less than 26% ownership is held by the captive user(s)."

5) Moreover, the Equity Share Capital shall be with voting rights. This implies that the Equity Share Capital with differential rights as to dividend, voting, shall not be considered for calculating the percentage of Ownership for ascertaining the CGP status.

Hence, all the Superintending Engineers of Distribution circles are hereby instructed to scrutinize the CGP status based on the above lines.

M. Saikumar,

Chairman - cum - Managing Director/TANGEDCO

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# TECHNICAL

## PART – IV

Gas Turbine Schemes – Procurement of additional 125V / 425AH Plante Type Lead Acid Battery set with suitable charger and switching cubicle for EOP motor, Mark – V GT controller & its auxiliaries in Kuttalam Gas Turbine Power Station & Thirumakkottai (Kovilkalappal) Gas Turbine Power Station – Approval – Accorded.

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(Technical Branch)

(Per.) CMD TANGEDCO Proceedings No.113, Dated the 01<sup>st</sup> March 2017.  
Maasi 17, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

Approval accorded by CMD/TANGEDCO on 27.02.2017.

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### PROCEEDINGS:

The Chairman cum Managing Director/ TANGEDCO has accorded Administrative Approval for the Procurement of additional 125V/425AH Plante Type Lead Acid Battery set with suitable charger and switching cubicle for EOP motor, Mark – V GT controller & its auxiliaries in Kuttalam Gas Turbine Power Station & Thirumakkottai (Kovilkalappal) Gas Turbine Power Station at an approximate cost of Rs.62 lakhs.

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

K. Natarajan,  
Chief Engineer/Gas Turbine Schemes.

\* \* \*

Tuticorin Thermal Power Station – External Coal Handling Plant-I-Design, Supply, Erection, Testing & Commissioning of LT Switch Gear (3 Phase/415V) for Coal Handling Switch Gear – 3A & 3B – Administrative Approval – Accorded.

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(Technical Branch)

Per TANGEDCO Proceedings (CMD) No.114 Dated the 02<sup>nd</sup> March 2017.  
Maasi 18, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

Note approved by the CMD/TANGEDCO on 28.02.2017.

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### PROCEEDINGS:

Administrative approval is accorded for Design, Supply Erection, Testing & Commissioning of LT Switch Gear (3 Phase/415 V) for Coal Handling Switch Gear- 3A & 3B in External Coal Handling Plant-I at Tuticorin Thermal Power Station at an approximate cost of (Gross) Rs.3,39,80,950/- (Rupees three crores thirty nine lakhs eighty thousand nine hundred and fifty only) and (Net.) Rs.3,35,23,950/- (Rupees

three crores thirty five lakhs twenty three thousand nine hundred and fifty only) including taxes & duties under open tender system by CE/TTPS.

(By Order of the Chairman - cum - Managing Director)

M.Dhanapal

Chief Engineer/Mechanical/Thermal Stations.

\* \* \*

NCES – Villupuram Region – Cuddalore EDC – M/s.NLC India Limited., - Transmission system for 2X65 MW Solar Power Plant at Neyveli, Cuddalore District – Detailed estimate – Approval Accorded - Regarding.

(Technical Branch)

(Per) CH. TANTRANSCO Proceedings No.58

Dated the 03<sup>rd</sup> March 2017.

Maasi 19, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ :

CMD's approval dated 27.02.2017.

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#### PROCEEDINGS:

The Chairman & Managing Director/TANGEDCO has accorded approval for the transmission system for the connectivity to the 2X65 MW Solar Power Plant of M/s.NLC India Limited proposed at Neyveli, Cuddalore District by connecting the above plant to sanctioned Neyveli 230/110 KV Sub-Station at an estimated cost of Rs.1273.50 Lakhs as follows:

(i) Cost towards erection of 2 Nos 110 KV breaker with 110 KV Bay Extension at sanctioned Neyveli 230/110 KV Sub-Station, 110 KV DC line on DC tower for a distance of 7 Km and provision of terminal equipments for data connectivity to be borne by the developer under DCW basis and under the TANTRANSCO account head.

(ii) The provision of check meter at a cost of Rs.1 Lakhs under the scope of TANGEDCO.

The expenditure is chargeable as:

- |   |                  |            |
|---|------------------|------------|
| 1. To M/s.NLC India Limited Towards erection of<br>2 Nos 110 KV breaker with 110 KV Bay<br>Extension at sanctioned Neyveli 230/110 KV<br>Sub-Station and 110 KV DC line on DC tower<br>for a distance of 7 Km. (TANTRANSCO A/c) | Rs.1269.50 Lakhs | A/C.14-695 |
| 2. M/s.NLC India Limited<br>Towards provision of terminal equipments<br>For data connectivity at JLDC. (TANTRANSCO A/c)   | Rs.3.0 Lakhs     | A/C.62-981 |
| 3. To TANGEDCO towards provision of<br>Check meter  | Rs.1.00 Lakhs    | A/C.14-695 |

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

Encl : 1. Report.

2. Detailed estimate.

M. Balasubramanian,  
Chief Engineer/NCES.

## REPORT ACCOMPANING THE ESTIMATE

### Scope :

This estimate is evolved for the erection of 2 Nos 110 KV breaker with bay extension at sanctioned Neyveli 230/110 KV Sub-Station and erection of 110 KV DC evacuation line for a distance of approximately of 7 KM from the proposed 2x65 MW Solar Power Plants to the sanctioned 230/110 KV Neyveli SS for the connectivity of 2x65 MW Solar Power Plant of M/s.NLC India Ltd at Neyveli in Cuddalore District under preferential Tariff Scheme.

### Main Features:

M/s.NLC India Limited has proposed to establish 2x65 MW solar power plant under preferential Tariff scheme. The works involved are as follows:

1.0 Erection of 2 Nos 110 KV Breaker with bay extension at sanctioned 230/110 KV Neyveli Sub-Station.

2.0 The proposed 2x65 MW ( 130 MW ) solar plant of M/s.NLC India Limited is to be connected at sanctioned Neyveli 230/110 KV Sub-Station by erecting a separate 110 KV DC evacuation line under DCW basis. Hence 2 Nos 110 KV breaker with bay extension, 110 KV isolators on Bus and line side, 110 KV CTs 110 KV PTs and necessary protection arrangements and erection of 110 KV DC line on DC tower for a distance of 7 Km are proposed in this estimate.

3.0 Further, M/s.NLC India Limited has to provide the following at their cost.

- a. Breakers and necessary protection arrangement at their end.
- b. ABT meters for recording their supply of power at plant end for each plant
- c. Cost towards provision of data as Ethernet data at Jurisdiction LD centre (JLDC) end either by VSAT or any other communication.
- d. For data connectivity to jurisdiction LD centre, Rs.3,00,000/- (Three Lakhs) has to be paid to TANTRANSCO towards terminal equipments to be provided by TNEB at JLDC.

The Solar power plant of M/s.NLC India Limited of 2x65 MW capacity at Neyveli, Cuddalore District is to be interfaced with the TANGEDCO grid at an estimated cost of 1272.50/- Lakhs Gross & Nett under DCW basis, chargeable to the developer and provision of check meter at cost of Rs.1.0 Lakhs under the scope of TANGEDCO. The rates adopted in this estimate are based on the cost data for the year 2016-2017.

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### ABSTRACT OF ESTIMATE

Sl. No	Description of work	Deposit amount to be borne by M/s.NLC India Limited in Lakhs	Amount to be borne by TANGEDCO in Lakhs	Total amount Rs in Lakhs
1	Detailed Estimate for the erection of 2 Nos 110 KV breaker with 110 KV Bay Extension at Sanctioned Neyveli 230/110 KV SS and 110 KV DC line on DC tower for a distance of 7 Km	1269.50	-	1269.50
2	Provision of terminal equipments for data connectivity at JLDC	3.00		3.00
3	Provision of check meter arrangement	-	1.00	1.00
	Total	1272.50	1.00	1273.50

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Detailed Estimate

Rs. In lakhs

Sl.No	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
1	110 kV AB switch without earth 2000A	Nos.	2	0.984	1.968
2	110 kV AB switch with earth 2000A	Nos	2	1.229	2.458
3	110 kV SF6 Breaker 40 kA	Nos	2	5.661	11.322
4	110 kV CT ( 1 Ph) 1200-600-300/1A) with TC	Nos	6	1.398	8.389
5	110KV CVT	Nos	4	1.550	6.200
6	110KV Wave Trap (0.5mH/630A) with support insulator & structure	Nos	4	2.034	8.136
7	110KV LAS	Nos	6	0.285	1.710
8	Relay panel	Nos	2	3.950	7.900
9	Control panel	Nos	2	1.510	3.020
10	Sub-Station Automation System for 230/110KVSS (UPTO 14/16 Electrical bays) (Rs 96.844-14)*2	Nos	2	13.834	27.668
11	ADSS - 12 fibre DWSM Cable Accessories with Erection	Km	1.5	2.499	3.749
12	Structure	LS	2	11.650	23.300
13	Control cables	LS	2	1.691	3.382
14	Busbar arrangement	LS	2	1.691	3.382
15	Foundation materials	LS	2	1.850	3.700
16	"Erection of 110 KV DC line on DC tower from NLC Pooling station to the sanctioned 230/11 KV Neyveli SS for a distance of 7 Km ""	Km	7	66.650	466.550
17	Supply of OPGW 24 fibre cable as per technical specification for a distance of 7 Km	Km	7	2.710	18.970
18	Civil works including foundation( WC tower , VC tower with BH,WB room, Gravel Filling, Quarry dust fillimg, Metal filling in yard, yard road, yard retaining wall , cable duct etc	Nos	2	49.000	98.000
19	Compound wall	M	345	0.045	15.525
	Sub total				715.329
	Contingencies 5 %				35.766
	Sub Total				751.095
	Storage 3%				22.533
	Sub Total				773.628
	Labour and Transport 30%				232.088
	Service tax 15 % on Labour and Transport				34.813
	Sub Total				1040.529
	Estt and Supervision charges 22 %				228.916
	Total				1269.445
	Total Gross and Nett say Rs				1269.500

(Rupees One Thousand two hundred sixty nine lakhs and fifty thousand only)

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\* \* \*

TANGEDCO – Kundah Pumped Storage Hydro Electric Project (4x125 MW) – Offering Engineering Consultancy Services for executing Kundah Pumped Storage Hydro Electric Project (4x125 MW) in Nilgiris District, in three phases under single EPC Contract' by M/s. WAPCOS Limited, Gurgaon, a Govt. of India undertaking under L.S Agt. No.SE/PD&C/2/2013-14 – Additional works involved in 'Pre-contract' Services – Face value enhancement – Approval of TANGEDCO Board under Circulation – Accorded.

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(Technical Branch)

Per (FB) TANGEDCO Proceedings No.19

Dated the 06<sup>th</sup> March 2017.  
Maasi 22, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

Approval of TANGEDCO Board under Circulation Note  
dated 24.02.2017.

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PROCEEDINGS:

Approval of TANGEDCO Board under Circulation is hereby accorded for the proposal of face value enhancement from Rs.13,33,61,200/- to Rs.15,53,91,625/- (Rupees Fifteen crores, fifty three lakhs, ninety one thousand six hundred and twenty five only) including Service Tax for the work of 'Offering Engineering Consultancy Services for executing Kundah Pumped Storage Hydro – Electric Project (4x125 MW) in Nilgiris District, Tamil Nadu in three Phases under single EPC Contract' by M/s.WAPCOS Limited, Gurgaon, a Govt. of India Undertaking under L.S Agt. No. SE/PD&C/2/2013-14 towards the additional works involved in the 'Pre-contract Services' and to issue an amendment to that effect.

(By the order of the Board)

R. Kamaraj,  
Chief Engineer/Projects.

\* \* \*

TANGEDCO - IT WING – Replacement of existing Firewalls with One Set for Internet Zone & One Set for Intranet Zone and to deploy dedicated Web Security and Antispam appliances for TANGEDCO enterprise network for Headquarters – Administrative Approval – Accorded.

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(Technical Branch)

(Per) CMD TANGEDCO Proceedings No.139

Dated the 8<sup>th</sup> March 2017  
Maasi -24, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu-2048.

READ:

Note approved by the CMD /TANGEDCO dated 06.03.2017.

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PROCEEDINGS:

TANGEDCO hereby approves the proposal of IT wing to replace the existing UTM Firewalls available in the Head Quarters Legacy Data Centre with Next Generation (NG) Firewalls with One Set for Internet Zone and One Set for Intranet Zone both with different makes and to deploy dedicated Web Security and Antispam appliances

for TANGEDCO enterprise network at an approximate cost of Rs.424.17 Lakhs (Rupees Four Hundred Twenty Four Lakhs and Seventeen thousand only) through Tender System.

The expenditure in this regard is debitable to TANGEDCO Ltd., Funds – Capital Expenditure A/c.10.910.

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

V. Venkatraman,  
Chief Engineer/IT.

\* \* \*

Mettur Thermal Power Station–I-Procurement 1 set of new bowl assembly with impeller of 36" VMF & retrofitting in the existing M/s. Mather & Platt make Raw water pump No 2 under single tender/proprietary basis/private sector from M/s. Mather & Platt pumps Ltd, Pane Administrative Approval – Accorded.

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(Technical Branch)

Per TANGEDCO Proceedings(CMD)No.141

Dated the 13<sup>th</sup> March 2017

Maasi -29, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu-2048.

READ:

Note approved by CMD on 09.03.2017.

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#### PROCEEDINGS:

Administrative approval is accorded for procurement of new Bowl assembly -1 Set with impeller of 36" VMF version & Retrofit in the existing Mather & Platt make for Raw water pump no.2 at an approximate cost of Rs.67,51,250/- (Rupees sixty seven Lakhs fifty one thousand two hundred and fifty only) (Gross) and Rs. 67,21,255/- (Rupees sixty seven Lakhs twenty one Thousand two hundred and fifty five only) (Nett) including E.D, Packing & Forwarding, Freight, Taxes & Duties, Transit insurance charges under single tender / proprietary basis / private sector from M/s. Mather & platt pumps Ltd, Pune by CE/MTPS-I.

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

M.Dhanapal  
Chief Engineer/Mechanical/Thermal Stations.

\* \* \*

Ennore Thermal Power Station – Decommission of ETPS from 31.03.17 – Retention of 230KV Switchyard for feeding power to Traction & Ennore 110KV SS – Handing over of Switchyard along with staff to TANTRANSCO for further operation – Approval Accorded.

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(Technical Branch)

Per (CMD) TANGEDCO Proceedings No.143

Dated the 13<sup>th</sup> March 2017.

Maasi 29, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

Note approved by CMD/ TANGEDCO on 09.03.2017.

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## PROCEEDINGS:

Administrative Approval is accorded for handing over the 230KV Switchyard at ETPS to TANTRANSCO (SE/Operation/Chennai North) along with all equipments and the following staff for further operation, so as to feed un-interrupted power to Railway traction & Ennore 110KV Sub-Station.

For Maintenance:

For Shift:

Sl. No.	Designation	No. of Staff	Sl. No.	Designation	No. of Staff
01	Executive Engineer/Elec	01 No.	01	Assistant Executive Engineer/ Elec	04 Nos.
02	Assistant Executive Engineer/ Elec	01 No.			
03	Assistant Engineer / Junior Engineer/ Elec	01 No.			
RWE Staff					
01	Foreman Spl.Gr.	01No.	01	Technical Assistant/Elec	04Nos.
02	Line Inspector	02Nos.	02	Wireman/Helper	04Nos.
03	Wireman/Helper	02Nos.			

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

M.Dhanapal

Chief Engineer/Mechanical/Thermal Stations.

\* \* \*

TANGEDCO - Hydro – Erode generation Circle – Barrage Power House – 1/Chekkannur – Replacement of 3 nos. bottom ducts and Strengthening & reconditioning of 3 nos. top ducts in 6 numbers Barrage gates – Administrative Approval - Accorded.

(Technical Branch)

(Per) CMD TANGEDCO Proceedings No.150

Dated the 20<sup>th</sup> March 2017.

Panguni 07, Sri Dhurmughi Varudam, Thiruvalluvar Aandu 2048.

READ:

Administrative approval note approved by CMD/TANGEDCO on 11.03.2017.

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## PROCEEDINGS:

CMD/ TANGEDCO has accorded administrative approval on the proposal for replacement of bottom 3 nos. ducts and strengthening & reconditioning of top 3 nos. ducts in 6 numbers Barrage Gates (Gate Nos. 1,2,4,5,8 &9) at Barrage Power House – 1/Chekkannur, Erode Generation Circle at a cost of Rs.3,80,79,600/- (Rupees Three Crores eighty lakhs seventy nine thousand and six hundred only) Gross and Rs.3,68,79,600/- (Rupees Three Crores sixty eight lakhs seventy nine thousand and six hundred only) Nett. including VAT at 5% on material portion and service tax at 15% on labour portion under open tender two part system for safe operation of gates during flood condition.

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

K. Subash Chandra Bose.

Chief Engineer/Hydro.

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TANGEDCO - Decommissioning of ETPS – Diversion of Dredgers along with accessories & staff in complete shape from ETPS to NCTPS-I and to attach with Coal Monitoring Circle - Approval Accorded.

(Technical Branch)

Per (CMD) TANGEDCO Proceedings No.155

Dated the 22<sup>nd</sup> March 2017.

Panguni-9, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

Note approval by CMD/TANGEDCO on 20.03.2017.

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#### PROCEEDINGS:

Approval is accorded for diversion of Dredgers along with staff & materials (As per Annexure –I & II) in complete shape from ETPS to NCTPS-I and to attach with Coal Monitoring Circle to continue the dredging operation in Ennore sea creek (Kosathalai river).

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

M.Dhanapal

Chief Engineer/Mechanical/Thermal Stations.

#### Annexure-I

##### List of Provincial staff

Sl.No.	Name of staff	Designation	Remarks
01	M. Senthamarai kannan	EE/Mechanical	Division in-charge
02	E.Suresh	AEE/Mech	Sub division in charge
03	D.Vijayakumar	AEE/Mech	Shift operation
04	P.Vibushanan	AEE/Mech	Shift operation
05	A.Prithiban	AEE/Mech	Shift operation
06	G.Velayutham	AEE/Mech	Shift operation
07	B.Nagananadhan	AE/Mech	Shift operation
08	V.M.U. Inbarasan	JE/Mech/Gr.1	Section in charge
09	R.Seenivasan	JE/Mech/Gr.1	Field machinery section in charge
10	M.S.Udayakumaran	JE/Mech/Gr.1	Shift operation
11	D.Kumar	JE/Mech/Gr.1	Shift operation
12	V.Manoj	JE/Mech/Gr.II	Pipe line section in charge

##### List of RWE staff

Sl No.	Name of staff	Designation	Sl No.	Name of staff	Designation
01	M.Shanmugam	FM-I Gr	07	K.Krishnan	Syrang I Gr
02	M.Mani	FM-I Gr	08	M.Sekar	P.Driver
03	R.Shanmugam	FM-II Gr	09	S.Jothi	Syrang I Gr
04	M.Baskar	FM-II Gr	10	B.Sankar	Tyndal
05	R.Balu	FM-I Gr	11	M.Devadoss	Mech II Gr
06	M.Dhandapani	Mech I Gr	12	S.Ashok	S.Driver

Annexure -IILIST OF EQUIPEMENTS

SI No.	Equipment Name	Qty
01	Dredger No.3	01 No
02	Dredger No.2	01 No
03	Bull Dozer: 7885	01 No
04	Bull Dozer: 13904	01 No
05	Bull Dozer: 14878	01 No
06	Bull Dozer: 13895	01 No
07	TATA P&H Crane (75 Ton capacity)	01 No
08	Tipper Lorry TMW 7957	01 No
09	Air compressor	01 No

LIST OF ACCESSORIES

SI No.	Description	Qty
10	M.S.Discharge pipes (450mm dia)	29 Nos
11	M.S.Discharge pipes (500mm dia)	20 Nos
12	M.S.Floating Pontoons	12 Nos
13	SS-316 Ball & Sockets	10 set
14	SS-316 Stub	20 Nos
15	Rubber Hose (450mm dia.)	05 Nos
16	Rubber Hose (500mm dia.)	05 Nos

List of Dredger Spares

17	M.S.Discharge bend	02 Nos
18	Cooler	02 Nos
19	Pump casing (Released item)	01 No
20	Pump impeller (released item)	01 No
21	Gland wash pump (Released item)	01 No

List of Dozer spares

22	"C" frame assy	01 No
23	Track Shoe Assy	01 set
24	Track rollers	16 Nos
25	Silencer assembly	01 No
26	Ideal Wheel assembly	04 Nos

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Mettur Thermal Power Station–I-Proposal to engage a Technical consultant to conduct water audit / water balance survey and suggest a more appropriate solution to reduce the specific water consumption up to maximum of 3.5 m<sup>3</sup>/ MWh as per new environmental Norms - Administrative Approval – Accorded.

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(Technical Branch)

Per TANGEDCO Proceedings (CMD) No.156

Dated the 22<sup>nd</sup> March 2017.

Panguni 9, Sri Dhurmughi Varudam.  
Thiruvalluvar Aandu, 2048.

READ:

Note approved by the CMD/TANGEDCO on 26.03.2017.

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#### PROCEEDINGS:

Administrative approval is accorded for engaging a Technical consultant to conduct water audit/water balance survey and suggest a more appropriate solution to reduce the specific water consumption up to maximum of 3.5 m<sup>3</sup>/MWh at MTPS-I for a value of 11,38,500/- (Rupees Eleven Lakhs Thirty Eight thousand and five Hundred only) including tax, under open tender two part system by CE/MTPS-I.

(By Order of the Chairman - cum - Managing Director)

M.Dhanapal

Chief Engineer/Mechanical/Thermal Stations.

\* \* \*

NCTPS.I M II Circle – ICHS – Operation & Maintenance (Mechanical & Electrical) of Internal Coal Handling System at NCTPS.I, initially issued for a period of two years from 10.04.2013 to 09.04.2015 – Subsequently extended thrice for a total period of 24 months from 10.04.2015 to 09.04.2017 – further extension of the existing work contract for an additional period of 4 months from 10.04.2017 to 09.08.2017 or till awarding of new contract whichever is earlier - Approval of Board of TANGEDCO – Accorded.

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(Technical Branch)

Per (FB) TANGEDCO Board Proceedings No.20

Dated the 23<sup>rd</sup> March 2017.

Panguni 10, Sri Dhunmughi Varudam.  
Thiruvalluvar Aandu, 2048.

READ:

Note approved by the Board of TANGEDCO by circulation  
on 21.03.2017.

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#### PROCEEDINGS:

Approval is accorded to further extend the existing work contract for Operation & Maintenance (Mechanical & Electrical) of Internal Coal Handling System at NCTPS.I, for an additional period of 4 months from 10.04.2017 to 09.08.2017 or till awarding of new contract whichever is earlier and enhancement of face value from Rs.26,94,25,074/- to Rs.29,24,84,874/- (Rupees Twenty nine crores twenty four lakhs eighty four thousand eight hundred and seventy four only) inclusive of taxes with all the other terms and conditions of the existing contract, issued for a period of 2 years at a value of Rs.13,24,85,923/- to M/s. Arun Industries, Chennai vide

Acceptance Order No.CE/NCTPS/SE/M.II/EA/F.Specn.No.117/2012-13/D.783/13 dt 09.04.13, subsequently extended thrice for a total period of 24 months 10.04.2015 to 09.04.2017, remain unaltered.

(By Order of the Board of TANGEDCO)

M.Dhanapal,  
Chief Engineer/Mechanical/Thermal Stations.

\* \* \*

Restructured Accelerated Power development and Reforms Programme (R-APDRP) – Engagement of legal personnel on payment for preparation of show cause notice, to the ITIA, following of criminal case filed against M/s Navayuga Infotech Pvt Ltd., and all further consequential proceedings in view of the stoppage of services in R-APDRP Data Centre of TANGEDCO by NIT –Regarding.

(Technical Branch)

Rt. (CMD) TANGEDCO Proceedings No.24 Dated the 23<sup>rd</sup> March 2017.  
Panguni-10, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ:

- (i) LoA No. CE/R-APDRP/SE/R-APDRP/EE2/P.O.No.2/F.ITIA/D.549/10, 14.10.10
- (ii) Note from CE/ R-APDRP approved by CMD/TANGEDCO on 20.03.2017.

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#### PROCEEDINGS:

CMD has approved the following legal personnel on payment basis for preparation of show cause notice to IT Implementing Agency (ITIA), following the criminal case filed by TANGEDCO against M/s Navayuga Infotech Pvt Ltd., (NIT) and all further consequential proceedings in view of the stoppage of services in R-APDRP Data Centre of TANGEDCO by M/s NIT:

i) To avail the services of a private advocate and standing counsel for obtaining legal opinion/consultation with regard to the LOA.No.CE/R-APDRP/SE/R-APDRP/EE-2/P.O.NO.2/F.ITIA/D.549 /10, dt.14.10.2010 issued to ITIA i.e. M/s. ITI Ltd in consortium with M/s. Navayuga Info Tech Pvt Ltd for Part-A IT implementation of the R-APDRP project in 110 towns of Tamil Nadu.

ii) To engage the following legal personnel on payment basis a per the fees quoted for preparation of show cause notice, following of criminal case filed and all further consequential proceedings in view of the stoppage of services in Data Centre of TANGEDCO by ITIA:

a) Mr.A.Abdul Hameed, Advocate, 74 & 76 II & III floor, Marshal Road, Egmore, Chennai-08.

b) Mr.V.Viswanathan, Standing Counsel

iii) To engage Mr.Yashod Vardhan, Senior Advocate on payment basis at the appropriate time when need arises.

(By order of the Chairman - cum - Managing Director/TANGEDCO)

J.Nirmala Gnanapushpam,  
Chief Engineer/ R-APDRP.

\* \* \*

TANGEDCO - Erode Region - Mettur EDC - Construction of New Division office Building for Edapaddy division at Edapady 110 KV SS premises - Administrative Approval - Accorded.

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(Technical Branch)

Per. (CMD) TANGEDCO Proceedings No.158 Dated the 23<sup>rd</sup> March 2017.  
Panguni-10, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

The Chief Engineer/Civil Designs Note approved by the CMD  
on 20.03.2017.

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#### PROCEEDINGS:

1. Approval is accorded for carrying out the work "Construction of New Division Office Building for Edapaddy Division at Edapady 110KV SS premises in Mettur EDC, Erode Region", at an estimated cost of Rs.67,88,500/- (Rupees sixty seven lakh eighty eight thousand and five hundred only) including contingencies, WCT, LWF and Service Tax as detailed in the Annexure.

2. The expenditure is debitable to "TNEB - Funds - Capital Expenditure - A/c. Code.No.14.602.

(By order of the Chairman - cum - Managing Director)

C.Ramesh,  
Chief Engineer/Civil Designs.

\* \* \*

Hydro - Generation Circle/Kadamparai - Improvement works to the existing Firefighting Main Water Inlet Tanks near ADIT-I of the underground Kadamparai Power House - Administrative Approval - Accorded.

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(Technical Branch)

(Rt) CMD TANGEDCO Proceedings No.25 Dated the 24<sup>th</sup> March 2017.  
Panguni 11, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

CE/Hydro's note approved by the CMD/TANGEDCO  
dated 23.03.2017.

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## PROCEEDINGS:

Administrative approval is accorded for carrying out "Improvement works to the existing Fire Fighting Main Water Inlet Tanks near ADIT-I of the underground Kadamparai Power House" at an estimated cost of Rs.5,66,800/- (Gross) and (Nett) (Rupees Five lakhs sixty six thousand and eight hundred only) based on the Current PWD Schedule of rates for the year 2016-2017.

(By order of the Chairman - cum - Managing Director)

K.Subash Chandra Bose,  
Chief Engineer/Hydro.

\* \* \*

Hydro - Generation Circle/Kadamparai - Improvement works to the existing Firefighting Main Water Inlet Tanks near ADIT-III of the underground Kadamparai Power House - Administrative Approval - Accorded.

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(Technical Branch)

(Rt) CMD TANGEDCO Proceedings No.26      Dated the 24<sup>th</sup> March 2017.  
Panguni 11, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

CE/Hydro's note approved by the CMD TANGEDCO  
dated 23.03.2017.

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## PROCEEDINGS:

Administrative approval is accorded for carrying out "Improvement works to the existing Fire Fighting Main Water Inlet Tanks near ADIT-III of the underground Kadamparai Power House" at an estimated cost of Rs.3,10,200/- (Gross) and (Nett) (Rupees Three lakhs Ten thousand and two hundred only) based on the Current PWD Schedule of rates for the year 2016-2017.

(By order of the Chairman - cum - Managing Director)

K.Subash Chandra Bose,  
Chief Engineer/Hydro.

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TANGEDCO - Procurement of 2 Nos. Personal Computers and 2 Nos. duplex laserjet Printers to AEE & AE of Division -3, O/o SE/Projects Development & Co-ordination at Headquarters looking after Sillahalla and Kundah Pumped storage Hydro Electric Projects - Approval - Accorded.

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(Technical Branch)

(Per.) CMD TANGEDCO Proceedings No.163      Dated the 24<sup>th</sup> March 2017.  
Panguni 11, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

Note approved by the CMD/TANGEDCO on 09.03.2017.

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## PROCEEDINGS:

Approval is accorded for procurement of 2Nos. Personal Computers and 2 Nos. duplex laserjet Printers for the official use of Assistant Executive Engineer & Assistant Engineer of Division -3 in the SE/Projects Development & Co-ordination official at the O/o CE/Projects at a total cost of Rs.1,10,000/-, to attend the works related to Sillahalla and Kundah Pumped Storage Hydro Electric Projects and the approved rates are as given below:

Sl.No.	Description	Qty	Price/Unit (all inclusive) in Rs.	Amount in Rs.
1.	Core 13 Desktop PCs	2 Nos.	45,000.00	90,000.00
2.	Duplex Laser printers	2 Nos.	10,000.00	20,000.00
	Total			1,10,000.00

(Rupees One lakh and Ten thousand only)

(By the order of the Chairman - cum - Managing Director/TANGEDCO)

R. Kamaraj,  
Chief Engineer/Projects.

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Memo.No.CE/Comml/SE/Comml/EE3/AEE3/F.ToE/D.45/17, (Techl.Br.) dt.24.03.17.

Sub : ElecY - Theft and unauthorized use of electricity -  
Interpretation of sections 126 and 135 of the Electricity  
Act, 2003 by the Hon'ble Supreme Court of India -  
Guidelines - Issued - Regarding.

Ref: 1. Memo.No.CE/Comml./EE3/AEE3/F.Notification/D.567/  
06, dt.01.12.06.

2. Memo.No.CE/Comml./EE3/AEE3/F.ToE/D.185/12,  
dt.27.08.2012.

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(1) In the memo under reference second cited, instructions have been issued in the matter of unauthorized use of energy and theft of electricity under sections 126 and 135 of the Electricity Act, 2003 respectively.

(2) In this regard, a reference is made to the order dated 20.10.2011 in the case of Executive Engineer&Another Vs M/s. Sri Seetaram Rice Mill {Civil Appeal No.8859 of 2011 reported in (2012) 2 SCC 108} wherein the three judges Bench of the Hon'ble Supreme Court of India has considered the scope of section 126 of the Electricity Act, 2003 and distinguished the sections 126 and 135 of the Electricity Act, 2003. A gist of the order is given below for proper consideration and necessary action by the assessing officer/authorized officer under section 126/135 of the Electricity Act, 2003 and by the Appellate authority under section 127 of the said Act: -

(i) The provisions of Section 126, read with section 127 of the 2003 Act, in fact, becomes a Code in themselves covering all relevant considerations for passing an order of assessment in cases which do not fall under Section 135 of the 2003 Act.

(ii) Provisions of Section 126 of the 2003 Act should be read with other provisions and the regulations in force.

(iii) Provisions in Sections 126 and 135 of the 2003 Act are distinct and different which operate in different fields and have no common premise in law.

(iv) Section 126 of the 2003 Act would be applicable to the cases where there is no theft of electricity but the electricity is being consumed in violation of the terms and conditions of supply leading to malpractices which may squarely fall within the expression 'unauthorised use of electricity'.

(v) Section 126 of the 2003 Act deals with an offence of theft of electricity and the penalty that can be imposed for such theft. This squarely falls within the dimensions of criminal Jurisprudence and mens rea is one of the relevant factors for finding a case of theft. On the contrary, Section 126 of the 2003 Act does not speak of any criminal intendment and is primarily an action and remedy available under the civil law.

(vi) Supply of electricity to a consumer is always subject to the provisions of the 2003 Act, Regulations framed there under and the terms and conditions of supply in the form of a contract or otherwise. Generally, when electricity is consumed in violation of any or all of these, it would be understood as 'unauthorised use of electricity'. The 'unauthorised use of electricity' would mean what is stated under the Explanation to Section 126 as well as such other unauthorized user, which is squarely in violation of the above mentioned statutory or contractual provisions. It covers all the misuse of the electricity or even malpractices adopted while using electricity. The provisions of Section 126 of the 2003 Act are intended to cover the cases over and above the cases which would be specifically covered under the provision of Section 135 of the 2003 Act. In other words, the purpose sought to be achieved is to ensure stoppage of misuse/unauthorized use of electricity as well as to ensure prevention of revenue loss.

(vii) Section 135 of the 2003 Act deals with an offence of theft of electricity and the penalty that can be imposed for such theft. Here criminal intention is necessary. Dishonesty' is a state of mind which has to be shown to exist before a person can be punished. Dishonesty is a state of mind where a person does an act with an intent to deceive the other, acts fraudulently and with a deceptive mind, to cause wrongful loss to the other.

(3) Therefore, the Assessing Officer and Appellate Authority under section 126/127 of the Act and the Authorised Officer under section 135 of the Act, are directed,-

(i) To be cautious while considering a case with due regard to the availability of dishonest intention or otherwise and then to proceed, either under section 126 or 135 of the Electricity Act, 2003. Thereafter, the procedure prescribed therein shall be followed scrupulously.

(ii) To follow scrupulously the procedure prescribed in regulation 19 A or 20 or 23 AA, as the case may be, of the Tamil Nadu Electricity Supply Code, 2004 including the procedure prescribed allowing the person/consumers to make representation/objection or personal hearing, as the case may be, to the provisional assessment order or while considering the appeal.

(iii) That the orders passed including the provisional assessment order or final assessment order or the order in appeal, as the case may be, should be in the form prescribed in the Tamil Nadu Electricity Supply Code 2004.



(iv) That every provisional assessment order should culminate in issuing a final assessment order duly assessing the loss, if any.

(v) That a final assessment order or the order in appeal should be passed within the time prescribed, after due consideration of the objections, if any made by the person / consumer to the provisional assessment order or in the appeal, as the case may be, and also the records of the TANGEDCO.

(vi) That such final assessment order or the order in appeal should be self explanatory.

(vii) Such a final assessment order or an order in appeal should be a self-contained one and passed in a speaking manner with due consideration of the provisions of the Act, Codes, Tariff Orders, etc., wherever necessary.

(4) The Superintending Engineers / EDCs and the Chief Engineers/Distribution Regions are directed to periodically review as to whether the Authorised / Assessing Officers are following the statutory provisions and the instructions in its letter and spirit so as to avoid any occurrence of procedural lapse in future. Such review shall be done without interfering with the independent applications of mind expected from such Authorised / Assessing officers appointed under the Electricity Act, 2003.

(5) The Superintending Engineers/EDCs are directed to communicate these guidelines to all the EEs/AEEs/AEs/ and all other officers in their circle and send a confirmatory report to the Chief Engineer/Commercial.

(By order of the CMD / TANGEDCO)

M. Thangaraj,

Chief Engineer/Commercial

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TANGEDCO - Hydro Project - Bhavani Barrage II HEP - Compensation to the 3 Nos. Landowners towards crop damages due to impounding of water in Bhavani Barrage II reservoir as per the Hon'ble High Court order dated 21.04.2016 & 23.11.2016 - Approval Accorded - Regarding.

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(Technical Branch)

Per. (CMD) TANGEDCO Proceedings No.165      Dated the 27<sup>th</sup> March 2017.  
Panguni 14, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu 2048.

READ :

The Chief Engineer/Civil designs/Chennai note, approved  
by the CMD TANGEDCO 22.03.2017.

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PROCEEDINGS:

Approval has been accorded by the CMD / TANGEDCO based on the Hon'ble court directive and recommended by the Chief Engineer/Projects/Civil/Erode in his letter dated 23.02.2017 for making payment to the following 3 Nos. petitioners towards the compensation for crop damages in their land submerged due to impounding of water in the barrage in respect of Bhavani Barrage - II Hydro Electric Project in Mettupalayam Taluk, Coimbatore District.

Sl.No.	Name	T.S.No.	Amount in Rs
1.	Tmt. Zainbu Begum	T.S.No.65/1,3 Odandurai village	3,17,405.00
2.	Thiru. Mohamed Faruk	T.S.No. C-1/2/5 Chikkathasampalayam	6,98,291.00
3.	Tmt. Mayangammal	T.S. C-7-9/3A Chikkathasampalayam	8,24,294.00
		Total	18,39,990.00

(Rupees Eighteen lakhs thirty nine thousand nine hundred and ninety only)

(By Order of the Chairman - cum - Managing Director/TANGEDCO)

C.Ramesh,  
Chief Engineer/Civil Designs.

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TANGEDCO - IT Wing - Provision of New Desktop PCs, Multi functional laser jet printers and duplex laser jet printer for the official use of Managing Director, Director/Transmission projects, Director/Generation and Director/Finance/ TANGEDCO - Regarding.

(Technical Branch)

(Per.) CMD TANGEDCO Proceedings No.166 Dated the 27<sup>th</sup> March 2017.  
Panguni 14, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

CMD note approval dated 21.03.2017.

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#### PROCEEDINGS:

TANGEDCO after careful consideration of the proposal of the Chief Engineer/ IT hereby approves the following:

1. To provide 1 No. Core i3 desktop PC and 1 No. Multifunctional laser jet printer for the official use of MD/TANTRANSCO.
2. To provide 1 No. Core i3 desktop PC and 1 No. Multifunctional laser jet printer for the official use of Director/Transmission projects.
3. To provide 1 No. Core i3 desktop PC for the official use of Director/Finance.
4. To provide 1 No. Malfunctioned laser jet printer 1No. Duplex laser jet printer for the official use of Director/Generation.

Sl.No.	Description	Qty	Price/Unit (all inclusive) in Rs.	Amount in Rs.
1.	Core i3 Desktop PCs	3 Nos.	45,000.00	1,35,000
2.	MFP with Fax, scanner & copier	3 Nos.	30,000.00	90,000
3.	Duplex laser jet printer	1 No.	10,000.00	10,000
	Total			2,35,000

(By Order of the Chairman - cum - Managing Director)

S.Santhi,  
Chief Engineer/IT.

\* \* \*

Additional Shunt Capacitor requirement in Vellore Region for the year 2016-17 based on the shunt compensation study results - Installation of total capacity of 124.8 MVAR consisting of 110 KV capacitor banks of 48 MVAR 22 KV capacitor banks of 2.4 MVAR and 11 KV capacitor banks of 74.4MVAR at an estimated cost of Rs.11.59 Crores - Administrative Approval - Accorded.

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(Technical Branch)

(Per.) CMD TANGEDCO Proceedings No.173      Dated the 27<sup>th</sup> March 2017.  
Panguni 14, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

CMD's approval dated 20.03.2017.

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#### PROCEEDINGS:

1.0 The Chairman and Managing Director, TANGEDCO approves the proposal for provision of capacitor banks, necessitated at various 110KV & 33KV substations in Vellore Region based on the shunt compensation study results for the year 2016-2017 on assessment of reactive power compensation for compensating the VAR requirement by distribution load at an estimated cost of Rs.11.59 Crores (Gross & Nett). The detailed report and estimate are annexed to these proceedings.

2.0 By virtue of the provisions contained in sub-section (2) (a) of section 185 of the Electricity Act 2003, TANGEDCO being the Licensee and successor entity of Tamil Nadu Electricity Board will exercise the powers of the Telegraph Authority under the provisions of section 164 of the Electricity Act, 2003, which have already been conferred upon the Board under section 51 of the Indian Electricity Act, 1910.

3.0 The expenditure shall be met out from Power System Development Fund (PSDF) And the work shall be commenced after getting sanction of grant under PSDF.

(By Order of the Chairman - cum - Managing Director)

R.S.Usha,  
Chief Engineer/Planning & RC.

#### Report to the accompany the Estimate

This proposal envisages the approval for providing capacitor banks at various 110KV & 33KV substations in Vellore Region based on the shunt compensation study results for the year 2016-2017 on assessment of reactive power compensation.

2.0 The shunt compensation by providing capacitor banks is necessitated to meet out the VAR requirement in distribution loads by reducing the reactive power generation in all generating stations. This will improve the voltage profile, maintain quality of supply during peak load conditions, reduce the system losses and increase the revenue.

3.0 Based on the shunt compensation study, the capacitor banks requirement in various substations of Vellore Region has been assessed and a total capacity of 124.8MVAR consisting 110KV capacitor banks of 2 nos. 24 MVAR, 22KV capacitor banks of 1 no. 2.4 MVAR and 11KV capacitor banks of 31 nos. 2.4 MVAR for the year 2016-2017 have been Finalized. The list of Sub-Stations is enclosed as Annexure - I which has been communicated to SRPC along with study results. SRPC has entrusted the study on assessment of shunt compensation to CPRI on Regional basis.

4.0 Based on the CPRI study reports, SRPC will recommend the quantum and substation location to enable the respective constituent states for availing Power system development fund (PSDF).

5.0 The tentative estimated cost works out to Rs. 11.59 Crores (Gross and Nett.) as per TANTRANSCO cost data for the year 2016-2017. The detailed estimate is enclosed as Annexure-II.

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ANNEXURE-I

Sub-Station wise Requirement of Capacitor Bank in respect of Vellore Region

			Capacitor bank in MVar			
Sl.No.	Name of the Substations	Ratio (in kV)	110 KV	11 KV	22 KV	Total in MVar
	Vellore Region					
1	Alangayam	110/33-11		1x2.4		2.4
2	Ambur	110/11		1x2.4		2.4
	Feeding source : Bargur	110/33-11				
3	Jagadevi 33/11 kV			1x2.4		2.4
4	Guruparapalli	230/110	2x24			48
5	Harur	110/11		1x2.4		2.4
6	Karimangalam	110/11		1x2.4		2.4
	Feeding source : Kempatty	110/33-11				
7	Kelamangalam 33/11 kV			1x2.4		7.2
8	Thally 33/11 kV			1x2.4		
9	Denkanikottai 33/11 kV			1x2.4		
	Feeding source : Krishnagiri	110/33-11				8.4
10	Krishnagiri 33/11 kV			1x2.4		
11	Orapam 33/11 kV			2x2.4	-	
12	Boganapally 33/11 kV			1x1.2		
	Feeding source : Nariganapuram	110/33-11				
13	Berigai 33/11 kV			1x1.2		1.2
14	Pakkam	110/33-11		1x2.4		2.4
15	Pappireddypatty	110/33-11		3x2.4+1x1.2		8.4
16	Paravakkal	110/11		1x2.4		2.4
17	Pernampet	110/11		1x2.4		2.4
	Feeding Source : Pochampalli	110/33/11				
18	Mathur 33/11kV			1x1.2		1.2
19	Ramayanahalli	110/33-11		5x2.4		12
20	Singarapet	110/33-11		1x2.4		2.4
21	Udhanapalli	110/33/11		4x2.4		9.6
	Feeding Sorce: Uthangarai	110/33/11				
22	Uthangarai 33/11 kV			1x2.4		2.4
23	SIPCOT Phase - II-Hosur	110/22-11		-	2.4	2.4
24	Vaniyampaddy	110/33-11		1x2.4	-	2.4
			Region Total in MVar			124.8

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ANNEXURE-II

## COST OF CAPACITOR BANKS – DETAILED WORKING SHEET (VELLORE REGION)

Sl.No	Details of Capacitor Bank	Rate (Rs)	Per	No of Units	Amount (Rs)
	22 KV/2.4 MVAR Capacitor Bank				
1	Supply of 22KV capacitor bank	19,06,948	Unit (2.4 MVAR is 1 unit)	1	21,89,479
2	Erection 22KV capacitor bank	2,82,531			
3	Sub Total (A)	21,89,479			
	11 KV/2.4 MVAR Capacitor Bank				
4	Supply of 11 KV capacitor bank	16,97,623	Unit (2.4 MVAR is 1 unit)	31	6,10,42,193
5	Erection of 11 KV capacitor bank	2,71,480			
6	Sub Total (B)	19,69,103			
	110 KV/24 MVAR Capacitor Bank				
7	110 KV capacitor bank	13400000	Unit (2.4 MVAR is 1 unit)	2	2,68,00,000
8	Erection of 110 KV capacitor bank (40%)	5360000			1,07,20,000
	Total (in Rs)				10,07,51,672
	Establishment & Supervision Charges 15%				1,51,12,751
	Grand Total (in Rs)				11,58,64,423

or Say Rs. 11.59 Crores (Gross &amp; Nett)

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\* \* \*

Specification No.T-1972 - Supply and Erection of 12nos. 160MVA, 230/110/11 KV Auto Transformers under rate contract system - Price bids of the eligible tenderers opened - Placing of orders - Approval Accorded.

(Technical Branch)

(Per.) FB TANTRANSCO Proceedings No.9

Dated the 31<sup>st</sup> March 2017.Panguni: 18, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

Minutes of the 71<sup>st</sup> meeting of Board of TANTRANSCO held  
on 28.03.2017 - Item no.13.

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## PROCEEDINGS:

Approval is accorded

I) To place orders under rate contract system for supply and erection of 12 nos., 160MVA, 230/110/11 KV Auto Transformers, against tender specification no. T-1972 on the following quoted and evaluated L1 regular firm, at the rate and quantity as detailed below at a total cost Rs.5883.30 Lakhs:

Sl. No.	Name of the firm	Qty.offered by the firm	Qty. proposed to be ordered	Unit FOR (D) amount in Rs.	Total FOR (D) amount in Rs.
1.	M/s. IMP Powers Ltd., Mumbai	12 nos.	12 nos.	4,9027,500.00	58,83,30,000.00

(Rupees Fifty eight Crores, Eighty three lakhs and Thirty Thousand only)

II) To update the Ex-works price as per latest IEEMA as on the date of issue of perusal letter for draft purchase order with a ceiling of  $\pm 30\%$  on the updated price.

III) To incorporate all usual terms and conditions of the Board.

(By Order of the Board)

K. Natarajan,  
Chief Engineer/Transmission.

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TANGEDCO -Establishment of Coal based 1x800MW North Chennai Supercritical Thermal Power Project, State-III - Engineering Procurement Construction (EPC) contract awarded to M/s.BHEL/New Delhi for Steam Generator and Steam Turbine Generator (BTG package) with associated auxiliaries, allied civil works, supply of Mandatory spares and special tool & tackles - Face value enhancement of contract by including the additional scope of works for In-boiler (Stage-I) modifications for partial adherence/make provision to the revised Emission norms - Approval Accorded - Regarding.

(Technical Branch)

(Per.) FB TANGEDCO Proceedings No.21

Dated the 31<sup>st</sup> March 2017.  
Panguni 18, Sri Dhurmughi Varudam,  
Thiruvalluvar Aandu - 2048.

READ:

Minutes of 69<sup>th</sup> Board meeting of TANGEDCO held on  
28.03.2017 - Item no.31

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#### PROCEEDINGS:

The Board of Tamil Nadu Generation and Distribution Corporation Limited after careful consideration, approved the following in respect of Coal based 1x800MW North Chennai Supercritical Thermal Power Project Stage-III, in order to have partial adherence/make provision to the revised environmental norms notified by the Ministry of Environment Forest and Climate Change (MoEF & CC) to the Environment (Protection) rule 2015, dt.07.12.2015.

i) To enhance the face value of contract awarded to M/s. Bharat Heavy Electricals Limited, New Delhi for design, engineering, manufacture, assembly, erection, testing and commissioning and putting into operation of Steam Generator and Steam Turbine Generator (BTG package) with associated auxiliaries, allied civil works and supply of Mandatory spares, special tools & tackles under Engineering Procurement Construction (EPC) contract basis for the establishment of 1x800 MW Coal based North Chennai Supercritical Thermal Power Project (NCTPP), State-III from Rs.2759 Crores (Rupees Two thousand seven hundred and fifty nine crores only) inclusive of all taxes & duties, which includes INR 20,258,680,586/- + USD 39,091,786 (Equivalent to Rs. 2,553,084,544/-) + Euro 64,180,455 (Equivalent to Rs. 4,778,234,875/-) to

Rs. 2901.00 Crores (Rupees Two thousand nine hundred and one crores only) inclusive of all taxes & duties, which includes INR 21,354,224,586/- + USD 42,691,786 (Equivalent to Rs. 2,788,200,544/-) + Euro 65,380,455 (Equivalent to Rs.4,867,574,875/-) by including the additional scope of works for In-boiler modifications required to reduce Oxides of Nitrogen ( $\text{NO}_x$ ) from 510mg/ $\text{Nm}^3$  to 300mg/ $\text{Nm}^3$  and other works required for future installation of Selective Catalytic Reduction (SCR) system for further reduction of  $\text{NO}_x$  level from 300mg/ $\text{Nm}^3$  to 100mg/ $\text{Nm}^3$  and Flue Gas Desulphurization (FGD) system for achievement of  $\text{SO}_x$  to 100mg/ $\text{Nm}^3$  to meet revised Emission norms.

(ii) To issue amendment to all three Letter of Intents (LOI) viz. Supply, Erection & commissioning and Civil LOIs by enhancing respective cost of contract as detailed below and to issue amendment to Guarantee parameter for  $\text{NO}_x$  Security deposit cum Performance clause, CIF component and mode of release of payment to contractor by including above said additional scope of works in the respective LOIs.

a) Supply LOI: To increase the value from INR.13,51,63,22,726/- Plus USD 39,091,786 Plus Euro 64,180,455 to INR 14,42,48,66,726 Plus USD 42,691,786 Plus Euro 65,380,455.

b) Erection and Commissioning LOI: To increase the value from INR.3,04,23,57,860/- to INR 3,18,71,17,860/-

c) Civil & Structural works LOI: To increase the value from INR.3,70,00,00,000/- to INR 3,74,22,40,000/-

iii) To approve and ratify for having issued the Technical Acceptance to M/s.BHEL for above additional scope of works and price negotiation held with them pending approval of Board.

(By the order of the Board)

R. Kamaraj,  
Chief Engineer/Projects.

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Finance (Contd...)Page No.

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- 11) (Per.) CH TANTRANSCO Proceedings No. 5 (Accts.Br.) Dt.16.03.2017. 45  
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