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सं. दक्षेविस /अअ.1/37 CC/2018/ 2020 - 46.
No. SRPC/SE-I/37 CC/2018/

दिनांक/ Dated: 11th April, 2018

सेवा में / To

वितरण सूची के अनुसार
As per Distribution List

विषय: - दक्षेविस की वाणिज्य उपसमिति की 37 वी बैठक के कार्यवृत्त।

Subject: - Minutes of 37th Commercial Sub-Committee Meeting of SRPC -Reg.

महोदय/ Sir,

इस पत्र के साथ दिनांक 16 मार्च 2018 को हैदराबाद में हुई, दक्षेविस की वाणिज्य उपसमिति की 37 वी बैठक के कार्यवृत्त आपकी सूचना एवं कारवाई हेतु संलग्न है। दक्षेविस के वेबसाईट (www.srpc.kar.nic) में भी उपलब्ध है।

Please find enclosed herewith Minutes of the 37th Meeting of Commercial Subcommittee of SRPC held on 16th March 2018 in Hyderabad. This is for you information and necessary action please.

The Minutes is available in the SRPC website (www.srpc.kar.nic) and same may please be downloaded.

भवदीय / Yours faithfully,

(असित सिंह/ASIT SINGH)

संलग्नक: यथोपरि Encl: As above

अधीक्षक अभियन्ता (वा)/Superintending Engineer(C)

SOUTHERN REGIONAL POWER COMMITTEE BENGALURU

MINUTES OF THE 37TH MEETING OF COMMERCIAL SUB COMMITTEE OF SRPC HELD AT HYDERABAD ON 16TH MARCH 2018

1. INTRODUCTION

- 1.1. The 37th Meeting of Commercial Sub-Committee of SRPC was held on 16th March 2018 in Hyderabad. The list of participants is enclosed at **ANNEXURE 1**.
- 1.2. Shri Kumaraswamy, AGM (Finance), Power Grid SRTS-I welcomed all the participants to the meeting. He acknowledged that with the support of all constituents projects undertaken by Power Grid are getting completed well in advance of the schedules and are able to connect to the grid. He thanked SRPC for giving the opportunity to host the meeting.
- 1.3. Shri S.R Bhat, Member Secretary (MS), SRPC welcomed all Members and participants to the Meeting. He thanked the Power Grid SRTS-I team for making excellent arrangements for the conduct of the Meetings.

The agenda items were taken up for discussion.

2. CONFIRMATION OF THE MINUTES OF THE 36TH MEETING OF COMMERCIAL COMMITTEE MEETING.

- 2.1. Minutes of the 36th Meeting of the Commercial Sub-Committee of SRPC held at Chennai on 24th November 2017 were issued vide letter No. SRPC/SE-I/36 CC/2017 dated 20th December 2017.
 - 2.2. No comments / requests for correction were received.
 - 2.3. The Minutes of the 36th Commercial Sub-Committee Meeting were confirmed.
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3. AUDIT OF SR DEVIATION & REACTIVE ENERGY CHARGE POOL ACCOUNTS

- 3.1. In line with Para15 of Annexure-I to the CERC (IEGC) Regulations, 2010 (Complementary Commercial Mechanism), RLDC shall table the complete statement of the Regional UI account and the Regional Reactive Energy pool account in the RPC's Commercial Committee Meeting on a quarterly basis, for audit by the latter.
- 3.2. SRLDC vide letter SRLDC/MO/CCM dated 20.2.2018 (**ANNEXURE 2**) had furnished details of payment and disbursement of weekly Deviation and Reactive Energy charges for the period from 18.09.17 to 21.01.18.

❖ *The accounts were audited and approved.*

4. NODAL OFFICERS FOR SEM DATA COORDINATION

- The 3rd meeting of Nodal Officers for SEM data coordination was held on 5th August 2016 and the Record Notes of the meeting was issued vide SRPC/SE-I/2016/5711-40 dated 19.08.2016.
- As per the decision of the 31stCCM, the Nodal officers for SEM data coordination were invited to attend the CC Meeting as special invitees.
- In the 33rdCCM the Members / Nominees / Nodal officers furnished the updated status of implementation of recommendations of the 3rd meeting of Nodal Officers for SEM data. However, there were some recommendations pending to be implemented which were brought to the notice of the committee in the 36thCCM. The status was updated then and the following were noted by the committee and accordingly the members were requested to expedite actions on the pending issues:

4.1. Pending Installation of SEMs by KPTCL:

- KPTCL informed that SEMs were installed on all the lines, except at BTPS and UPCL, which are to be installed by KPCL and UPCL respectively. KPTCL had taken up the issue with them for installation of SEM.

Deliberations in the CCM

- 4.1.1. KPTCL informed that the procurement of SEMs is in process and would be replaced by the end of March, 2018.
- 4.1.2. On a query about SEMs on 220 kV lines evacuation lines at Kudgi, it had been decided in the OCC that SEMs would be provided by SR-II (keeping in view of Narendra ICT replacement with 500 MVA ICT) while PGCIL & NTPC would

coordinate and render complete assistance. It was also noted that SR-II would also be involved fully in commissioning of the SEMs. SRPC & SRLDC expressed concern that there was no tangible progress in this regard. KPTCL/SR-II were suggested to take up the issue on priority, NTPC agreed to render all possible assistance.

4.2. Pending Installation of SEMs by Telangana -Bonakaalu- Chillakallu lines 1&2

Deliberations in the CCM

4.2.1. TSTRANSCO informed that the SEMs were covered under the comprehensive scheme with Railways (enabling power drawal as deemed licensee). It required bay extension works also.

4.2.2. SRPC & SRLDC stated that the SEM installation should be delinked from the Railway issues. The line being an interstate transmission line, the availability of SEMs is a high priority requirement.

4.2.3. TSTRANSCO stated that they would revert back on the issue.

4.3. MAPS: GTs (HV side) Stand By.

- In the 34th meeting of CCM it was decided that MAPS, NPCIL to provide the LV side GT SEM data regularly to SRLDC as per the Regulatory requirement.
- NPCIL informed that meters of same specifications are already available on the LV side of GTs. The sample data was sent to SRLDC for checking the compatibility of data format.
- SRLDC accepted the compatibility of the data format and advised that the same meters can be used for weekly accounting.
- MAPS, NPCIL agreed to transmit the data on every Monday on regular basis. However the same is not being received at SRLDC.
- MAPS, NPCIL representative informed that SEM issue would be resolved within a month.

Deliberations in the CCM

4.3.1. SRLDC stated that the data from MPAS is being received and the format is correct.

5. OUTSTANDING DUES BETWEEN SOUTHERN & WESTERN REGIONAL CONSTITUENTS

- Pending payments between WR& SR Constituents as on 16.3.2018 are as follows:

ANDHRAPRADESH/TELENGANA			
RECEIVABLE FROM (₹)		PAYABLE TO (₹)	
MPPMCL	1,21,76,270*	NIL	
KARNATAKA			
RECEIVABLE FROM (₹)		PAYABLE TO (₹)	
MPPMCL	13,27,208	NIL	
KERALA			
RECEIVABLE FROM (₹)		PAYABLE TO (₹)	
MPPMCL	1,21,47,260		
CSPDCL	7,05,279		
TAMIL NADU			
RECEIVABLE FROM (₹)		PAYABLE TO (₹)	
MPPMCL	1,17,17,268	CSPDCL	92,77,878

Deliberations in the CCM

- 5.1.1. TANTRANSCO stated that the matter was being followed up with Madhya Pradesh, Chhattisgarh and as well as with Member Secretary, WRPC. However, there was no response received so far.
- 5.1.2. MS, SRPC suggested that the matter may be taken up with WRPC once again.

- Payable amount by PGCIL (WRTS / SRTS) to SR Constituents (as on 16.3.2018)

State/UT	Total Amount to be received (₹)	Received(₹) as on 01.01.2014	Paid by SRTS II on 01.04.2016 (₹)	Paid by SRTS II on 01.03.2017(₹)	Balance to be received (₹)
Andhra Pradesh &Telangana	47,05,447	3,69,848	10,16,847	3,48,203	29,70,549
Karnataka	49,79,733	3,91,407	10,76,120	3,68,500	31,43,706
Kerala	27,58,402	2,16,811	5,96,091	2,04,122	17,41,378
Tamil Nadu	47,21,994	3,71,149	10,20,423	3,49,428	29,80,994
Puducherry	9,24,035	72,629	1,99,684	68,379	5,83,343
Total	1,80,89,611	14,21,844	39,09,165	13,38,632	1,14,19,970

Deliberations in the CCM

- 5.2. Regarding the likely release of the amount by Maharashtra to PGCIL as reported in the last CCM, PGCIL informed that the amount was reconciled; however officials concerned had been transferred, hence the matter is pending. PGCIL stated that they would take up again with Maharashtra for early release of the amount.

❖ *The CC forum noted the same.*

6. ITEMS PROPOSED BY SRLDC

SRLDC vide letter dated 13.04.2017 (refer ANNEXURE 2) have proposed the following items for discussion:

- Audit of SR DSM, RRAS & Reactive Energy accounts
- Reconciliation of DSM, RRAS and Reactive charges
- Status of outstanding charges to the pool accounts.
- Reconciliation of Short Term Open Access (STOA) disbursements
- No feedback to reports on discrepancies observed in SEM data - Details of Interconnection metering error
- Time drift status- Raichur

Deliberations in the CCM& update:

6.1. Audit of SR DSM, RRAS& Reactive energy Accounts

- 6.1.1. Weekly Regional Deviation, Reactive Energy Charges Pool Accounts, RRAS Accounts for the period from 18.09.17 to 21.01.18, furnished by SRLDC vide letter dated 20.2.2018, were audited. (Item No. 4 above).

6.2. Reconciliation of DSM, RRAS, Reactive and Congestion charges

6.2.1. DGM, SRLDC informed Regional Entity-wise details of Deviation, RRAS, Reactive and Congestion pool payment/receipt had been sent to the pool members on a monthly basis for the period from Sep'17 to Dec'17 for reconciliation. All pool members yet to reconcile were once again requested to verify the statements compulsorily and send a signed copy to SRLDC for records to enable SRLDC to comply with audit observations. Status of Receipt of signed reconciliation statement is enclosed in Annexure IV.

❖ *CC forum requested all constituents to carry out reconciliation on regular basis.*

6.3. Status of outstanding charges to the pool accounts.

6.3.1. SRLDC requested the constituents to clear all outstanding amounts and adhere to the due dates.

6.3.2. SRLDC informed the status of outstanding payments to DSM pool account and interest payable due to delayed payments.

- Status of payments to DSM pool account as on 15.02-2017:

Sl. No.	Beneficiary	Period	SRPC account issue date	Amount (₹)
1	MEL (Bal.)	41 (08.01.18-14.01.18)	02-02-18	352320
2	MEL	42 (15.01.18-21.01.18)	09-02-18	1270606
3	COASTAL ENERGEN	42 (15.01.18-21.01.18)	09-02-18	969661

- Outstanding payments to DSM pool account as on 15.02-2017 as **interest payable** due to delayed weekly charges.

Sl. No.	Beneficiary	Interest payable (₹)	Statement issue date
1	KKNPP	1725	08-07-2016
2	AP	16660	08-09-2017
3	AP	7458	10-10-2017
4	TELANGANA	6973	15-11-2017
5	MEL	9384	13-12-2017
6	MEL	3654	13-12-2017
7	COASTAL ENERGEN	9156	09-01-2018
8	SGPL	13632	09-01-2018

Deliberations in the CCM

- 6.3.3. KKNPP vide their letter dated 14-03-2018 (**ANNEXURE-3**) requested to waive off the interest charge amount of ₹ 1,725 due to late receipt of the hard copy of SRLDC letter no. SRLOC/MO/OEV/Rev/2015- 16/270 dated 07-04-2016, on 16.04.2016 only, and no email correspondence in this regard had been sent to the nodal officer.
- 6.3.4. It was informed that the original bill amounting to ₹ 24,29,539/- as per SRLDC letter dated 30.12.2015 for 38th week of Financial Year 2015-16 had been paid within due date for payment and difference of payment of ₹ 4,79,212/- as per the SRLDC letter dated 07-04-2016 had been paid on 27-04-2016 which is well within 12 days from the date of receipt of bill by KKNPP (i.e. date of receipt at KKNPP was 16-04-2016). It was requested to waive off the interest charges of ₹ 1,725 raised by SRLDC.
- 6.3.5. SRLDC stated that due process had been followed. CCM opined that KKNPP has to pay the interest due and the request for waiver may not be admitted.

❖ The forum suggested KKNPP to pay the interest due at the earliest.

6.4. Reconciliation of Short Term Open Access (STOA) disbursements.

- 6.4.1. SRLDC informed the details of disbursements of CTU, STU & SLDC charges of STOA for the period from Apr'17 to Jun'17 (enclosed in Annexure-V). The same had already been uploaded in SRLDC website on a monthly basis for verification and reconciliation to all the concerned SLDCs/STUs/CTU and others on a monthly basis.
- 6.4.2. SRLDC informed further that the statements for monthly reconciliation are available in SRLDC website in the link <http://srldc.org/STUReconciliation.aspx>. Disbursements made for which no discrepancy was pointed out were treated as reconciled. However, members were to note that it is compulsory to return the signed copies of the statements as record for statutory audits.

❖ CC forum requested all concerned to do the needful.

6.5. No feedback to reports on discrepancies observed in SEM data - Details of Interconnection metering error

- 6.5.1. SRLDC informed that the discrepancies observed in SEM data were intimated on weekly basis to all nodal officers. The same for the week from 09-10-16 to 05-02-18 are at Annexure VI. SRLDC requested all Nodal Officers to keep furnishing the feedback in this regard, which would be useful in correct energy accounting.

❖ The forum requested the members / nodal officers to verify the discrepancies and intimate the reasons for such under/over recording.

6.6. Time drift status - Raichur

- 6.6.1. SRLDC informed the details of SEMs at RTPS with high time drift as given below. The nodal officer concerned was requested to take necessary action and maintain time drift less than 1 minute for accurate energy accounting.

Station	SEM Sl. No. Location ID	Feeder Name	Time drift observed
RTPS	NP 5503-A CR-15	400kV Mehaboobnagar Line	8min
RTPS	NP 5532-A CR-14	400kV Munirabad line	6min
RTPS	NP 5534-A CR-13	400kV YTPS line	6min
RTPS	NP5488-A CR-11	400kV Raichur New-1 line	6min

- ❖ *The forum requested RTPS (KPCL) to take necessary action to maintain time drift within the stipulated limit.*

7. AGENDA POINTS OF TANGEDCO DELIBERATED IN THE 36TH CCM

7.1. Discrepancies noticed in the weekly loss computation for two weeks and revision to be made.

- In the 36th CCM, TANTRANSCO informed that there were some discrepancies in the actual loss calculated and the loss published on SRLDC website for the weeks of 18th - 24th September, 2017 and 25th September – 01st October, 2017. The loss calculated based on SEM data were 1.87% and 2.08% respectively, whereas the loss percentage published on SRLDC website were 2.02 and 2.36 respectively for the above weeks. The higher loss percentage values, than the actual loss, used for scheduling resulted in variation in the deviation of drawal by the beneficiaries. TANTRANSCO requested that the schedule may be revised for the above weeks taking into account the actual loss percentage and accordingly DSM account statement also may be revised.
- KSEBL stated that the discrepancies resulted in burdening of the beneficiaries which was avoidable.
- SRLDC stated that the loss percentages used for scheduling on the above said weeks were inadvertently taken. However, SRLDC is not in a position to revise the schedule.

- The SR constituents requested SRPC to revise the accounts by applying actual loss percentage. SRPC Secretariat agreed to revise the accounts based on the request from SR constituents.
- In view of the inability of SRLDC to revise the schedule, the 36thCCM decided that SRPC Secretariat may re-compute the schedule of States taking the actual loss percentage for the weeks of 18th– 24thSeptember, 2017 and 25thSeptember – 01stOctober, 2017 and accordingly revise the DSM accounts.
- TANTRANSCO vide their letter dated 13-02-2018 (**ANNEXURE 4**) intimated that discrepancies were noticed in the scheduling loss calculation for the period from 28-08-2017 to 21-01-2018, from the weekly DSM accounts, Tamil Nadu had to receive an amount of ₹ 18,87,247/- approximately after accounting the payable and receivable head. Hence, TANTRANSCO requested that the matter regarding the above discrepancies noticed may be taken up with the SRLDC and the scheduling losses may be corrected to relieve Tamil Nadu from commercial losses, as amount had been already paid to the pool account.
- However, the revised computation could not be finalized as there was mismatch of the loss computation by SRLDC.

Deliberations in the CCM

- 7.1.1. TANTRANSCO requested the forum to look into the issue to relieve them from the commercial losses.
- 7.1.2. SRPC secretariat pointed out that there had been some discrepancy observed since nine slabs were introduced in POC (01.05.2015) and proposed that re-computation from the year 2015 could be carried out with corrected loss values for each week. One DSM account for the entire period from 1st May 2015 to 10th December, 2017 may be issued. However, the lesser-of-two (Payable/Receivable) method, which was applied for some part of the period, would not be applied in the revised DSM for the entire period of revision.
- 7.1.3. Additionally, the DSM for the week 2nd to 8th October, 2017 and 9th to 15th October, 2017 would be revised by computing the schedules of all states considering the Average SEM loss as 1.87% and 2.08% respectively.
- 7.1.4. The forum concurred to the proposal.

- ❖ *DSM account will be revised, in one shot, from 1st May, 2015 to 10thDecember, 2017, without considering the lesser-of-two principle, by computing schedules using the exact slabs.*
- ❖ *Independently DSM will be computed for the week 2nd to 8thOctober, 2017 and 9th to 15th October, 2017 by considering average SEM loss of 1.87% and 2.08% respectively.*

7.2. Pending payments from KPTCL

- In the 36thCCM TANTRANSCO submitted that PCKL payment towards monetary compensation for energy transaction for the period from December 1998 to March 2001 was pending. After adjusting the charges payable to KPTCL/PCKL for transmission and wheeling charges, TANTRANSCO has to receive some amount. The payment is still pending, in spite of several visits to KPTCL/PCKL by higher officials, meeting at Director level and special meeting in this regard. TANTRANSCO requested for speedy settlement of the pending payment
- It was noted that in the earlier meetings it was informed that PCKL Board had in principle approved the payment.
- In the 36thCCM KPTCL/PCKL informed the forum that the needful would be done at the earliest.

Deliberations in the CCM

- 7.2.1. PCKL informed that the issue is under process. PCKL Board approved the payment and recommended KPTCL to release payment. Also that the wheeling charges payable by TANTRANSCO to KPTCL was being worked out.
- 7.2.2. Member Secretary, SRPC stated that this long pending issue needs to be settled at the earliest. He also stated that in 33rd SRPC meeting held on 17.02.2018, MD PCKL had assured that the issue would be settled before next SRPC meeting.

❖ *The forum noted the same.*

8. PXSOLD FILES AND RELATED ACCOUNTING ISSUES

- From 12.12.2017, new Web based scheduling programme was introduced by SRLDC and began to furnish the data in respect of beneficiary wise URS power sold by generators through power exchange. However, the data appears to be inconsistent, so far as that the computations of allocations exceed 100 %, while factoring PXSOLD values and also inexact entry of data against beneficiaries.
- Accordingly, the matter was discussed with SRLDC. Some mapping issues were noticed by them and stated that the same had since been rectified. However, the computation issue as above persists.
- In this background the PXSOLD values are yet to be taken into the accounts computations.
- Instances were found that after deducting the PXSOLD data from respective entitlement of States, URS quantum is not getting balanced; hence the total percentage of allocation for ISGS stations on computation goes beyond 100 %. An example is illustrated below:

URS Computation for NLC 22 Station for the month of Jan, 2018

Date	Time	Nlc22_Tn	Nlc22_Tg	Nlc22_Pon	Nlc22_Kl	Nlc22_Kar	Nlc22_Hvdc	Nlc22_Goa	Nlc22_Ap	Total Urs
2018-01-15	8:00:00	0	0	1.12	0	0	0	0	0	1.12
2018-01-15	8:15:00	0	0	1.19	0	0	0	0	0	1.19
2018-01-15	8:30:00	0	0	1.19	0	0	0	0	0	1.19
2018-01-15	8:45:00	0	0	1.19	0	0	0	0	0	1.19
2018-01-17	16:00:00	0	0	1.8	0	0	0	0	0	1.8

2018-01-17	16:15:00	0	0	1.8	0	0	0	0	0	1.8
2018-01-17	16:30:00	0	0	1.8	0	0	0	0	0	1.8
2018-01-17	16:45:00	0	0	1.8	0	0	0	0	0	1.8
2018-01-17	17:00:00	0	0	1.8	0	0	0	0	0	1.8
2018-01-17	17:15:00	0	0	1.8	0	0	0	0	0	1.8
2018-01-17	17:30:00	0	0	1.8	0	0	0	0	0	1.8

- For the same period, the schedule, Entitlement and PX sold quantum of Puducherry for NLC 22 station are as below:

nlc22_schedule	Entitlement (before considering PXSOLD) [A]	NLC22 PX quantum for Puducherry[B]	New Entitlement (After considering PXSOLD) [A-B]	URS for Pondicherry
0	23.8	24.92	-1.12	1.12
0	23.8	24.99	-1.19	1.19
0	23.8	24.99	-1.19	1.19
0	23.8	24.99	-1.19	1.19
0	23.12	24.92	-1.8	1.8
0	23.12	24.92	-1.8	1.8
0	23.12	24.92	-1.8	1.8
0	23.12	24.92	-1.8	1.8
0	23.12	24.92	-1.8	1.8
0	23.12	24.92	-1.8	1.8

- It had been observed that the instances were caused due to selling of PX quantum more than the Entitlement of some of the states.

Deliberations in the CCM

8.1.1. SRPC secretariat proposed the following computation, while considering PXSOLD quantum:

nlc22_schedule	Entitlement (before considering PXSOLD) [A]	NLC22 PX quantum for Puducherry[B]	New Entitlement (After considering PXSOLD) [A-B] -ve value modified to zero	URS for Pondicherry
0	23.8	24.92	0	0
0	23.8	24.99	0	0
0	23.8	24.99	0	0
0	23.8	24.99	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0
0	23.12	24.92	0	0

8.1.2. PXSOLD quantum as furnished with the schedule files shall not be considered to compute the Ratio of Un-requisitioned energy of beneficiary below 85% of its entitlement from ISGS Stations to apportion the compensation payable to ISGS.

❖ *The forum agreed to the proposal.*

9. DC, SCHEDULE AND ENTITLEMENT MISMATCHES

- Many instances of Schedule greater than DC and instances of total entitlement not matching the DC had been noticed. The matters were taken up with RLDC periodically.
- It has been conveyed that downward DC revisions by generators subsequent to sale commitment of URS power through exchange is the cause for the occurrences of schedules exceeding DCs. The entitlement mismatches with respect to DC are attributed to calculation errors.

Deliberations in the CCM

9.1.1. SRLDC stated that there were some software issues which have been now resolved.

9.1.2. MS, SRPC stated that the discrepancy during the blocks when there is no outage, and generators revise DC, was the matter of concern.

- 9.1.3. SE, SRPC suggested that generators may keep some margin while committing sale through power exchange for each of the beneficiary to avoid such discrepancy
- 9.1.4. NLC Ltd. stated that such instances occur during mill outages or/and unit outages and would take care to arrange for some cushion, in consultation with the operation group to avoid such discrepancies in future.
- 9.1.5. NTPC opined that strengthening communication and reporting systems could probably reduce such instances.

- ❖ *NTPC/NLC agreed to take steps to avoid such instances in future.*
- ❖ *The forum noted the same.*

10. AMENDMENT TO THE METHODOLOGY OF DETERMINATION OF NODAL AND TOUCH POINTS FOR DRAWAL COMPUTATION

- In the 36th CCM, some additional criteria were incorporated in the methodology, vis-à-vis identification of Nodal Points and identification of touch points in a node, as Sl.No.1(IV) and Sl. No.2 (V).
- Further to the above, it is considered that an amendment, as highlighted below, needs to be incorporated:

1. Identification of Nodal Points:

- I. All the substations in the jurisdiction of the control area where either ISTS, non-ISTS certified by RPC, inter-state lines owned by states **or lines partly owned by State and CTU** is terminating, would be considered as node points.
- II. Substations of generating stations scheduled by RLDC where control area (Beneficiary) owned transmission line is terminating.
- III. Substations where all lines are ISTS on HV side and on LV side would not be considered but Drawal by ISTS licensee through tertiary winding which is not accounted in regional account would be considered as drawal node.
- IV. Substations where all lines on HV side are ISTS lines and both ISTS and control area (beneficiary STU) lines emanate from LV side would be considered as a node point.

2. Identification of touch points in a node:

- I. If in the identified node all the terminating lines are either ISTS, non-ISTS certified by RPC, inter-state lines owned by states **or lines partly owned by**

State and CTU then HV side of the inter-connecting transformer would be considered as touch points.

- II. If the identified nodes have control area owned transmission line also terminating then touch point would be all ISTS, non-ISTS certified by RPC and inter-state lines owned by states in the Substations.
- III. In case control area owned transmission line is terminating in Substations of generating stations scheduled by RLDC, then the touch points would be the control area owned transmission line termination at the Substations of generating stations.
- IV. In case all lines are ISTS but Substation is owned by STU then touch points would be ISTS lines.
- V. If all lines on HV side are ISTS lines and there are ISTS/ control area (beneficiary STU) lines on LV side, then touch points would be STU lines on LV side.

Deliberations in the CCM

10.1.1. SRPC informed the forum that the ISTS transmission losses are pooled and shared among the DICs. In the subject amendment, lines partially owned by ISTS and partially by STU are considered as ISTS.

❖ *The forum approved the amendment.*

11. INCLUSION OF KARAIKAL REGION OF UT OF PUDUCHERRY POWER DRAWAL IN REA

- Secretary (Electricity), Government of Puducherry, vide letter dated 5.2.2018 (ANNEXURE 5), proposed the agenda regarding inclusion of Karaikal region of UT of Puducherry power drawal in REA for the 33rd SRPC meeting held on 17.2.2018.
- In the 33rd SRPC meeting, the inclusion of Karaikal region of Union Territory of Puducherry in REA was approved.

Deliberations in the CCM

11.1.1. Puducherry stated that they would draw power from the upcoming substation in Karaikal and their drawl of Karaikal would be within the total entitlement for Puducherry.

11.1.2. MS, SRPC stated that the required metering and SCADA facilities needed to be ensured with the commissioning of the system to enable Puduchery drawal computation and for proper visibility at SRLDC/LDC.

11.1.3. TANTRANSCO requested that a load flow study may be conducted to confirm that there is no overloading of NLC ICTs.

11.1.4. MS, SRPC stated that load flow study on this specific issue could be carried out.

❖ *The forum noted the SRPC approval for the inclusion of Karaikal region of Puducherry power drawal in Regional Energy Accounting method.*

❖ *It was also requested to place mandated SEMs on Double circuit lines at both the ends of the beneficiaries (TN side and Puducherry end) and also to ensure the SCADA visibility. Puducherry agreed to ensure the necessary requirements.*

12. NLC AGENDA POINT

- NLC India Ltd., vide letter dated 19.2.2018 (**ANNEXURE 6**), stated that as per records bills raised on HESCOM are pending from February, 2017 and as on 19.2.2018 the pending amounts are Rs. 301.86 crore and Rs. 147.61 crores in respect of NLCIL and NTPL.

Deliberations in the CCM

12.1.1. NLC informed the forum that as on 16.3.2018 the dues were ₹ 277 crores and ₹ 145.61 crores in respect of NLCIL and NTPL. HESCOM payments were not commensurate with the amount of dues.

12.1.2. PCKL stated that letters were issued to HESCOM regarding the pending payments and they would issue reminder.

❖ *The forum requested HESCOM to clear the dues promptly to avoid regulatory recourse and attendant inconvenience to all concerned.*

❖ *PCKL was suggested to call a meeting of all the DISCOMs to address the payment issues.*

13. ENTITLEMENT AND COMMERCIAL SETTLEMENT DURING RSD

Computation of Entitlement and URS during RSD would be computed as follows:

- When a generating station or unit(s) thereof is under Reserve Shut Down, the off-bar Declared Capacity, i.e., the DC of generators under shut down plus the generators on bar would be considered for arriving at the entitlement of each beneficiary. Block-wise Un-requisitioned power would be the difference in the block-wise entitlement as computed above and block-wise schedule of the beneficiary from the station.

- The calculation is illustrated below:

Compensation Computation for a state during RSD

$$\left\{ \begin{array}{l} \text{Entitlement On Bar} = {}_A\text{ENT}^{\text{ONBAR}} = \text{DC on Bar} \times \% \text{ Allocation} \\ \text{Entitlement off Bar} = {}_A\text{ENT}^{\text{OFFBAR}} = \text{DC Off Bar} \times \% \text{ Allocation} \end{array} \right\}$$

Schedule of a State A = ${}_A\text{SCH}$

Factor to decide the compensation =function of (${}_A\text{ENT}^{\text{ONBAR}} - {}_A\text{SCH}$)

- This value is considered in the Compensation calculation.

PXSOLD Data:

The URS computation gets modified on considering the PXSOLD quantum, as:

Entitlement = Percentage Allocation of a state * DC (On Bar DC+ Off Bar DC)

$${}_A\text{ENT} = {}_A\text{ENT}^{\text{ONBAR}} + {}_A\text{ENT}^{\text{OFFBAR}}$$

$${}_A\text{ENT} = {}_A\text{ENT} - \text{PXSOLD}$$

Schedule of a State A = ${}_A\text{SCH}$

$$\text{URS} = {}_A\text{ENT} - {}_A\text{SCH}$$

- This entitlement would be used mainly for the calculation of weighted average percentage allocation for the month (which is based on URS availed also) and for all commercial purposes.

❖ *The forum noted the above.*

14. STATISTICS ON REPLACEMENT OF FAULTY ENERGY METERS

- ❖ The methodology / procedure for computing actual drawal / injection of entities in case of non-availability of main / check / standby meter data was discussed in the 7th NPC meeting held on 08.09.2017. It was agreed that actual loss on the line or ICT computed based on the previous week data may be used for loss application (in case of non-availability of previous week data nearest week available data may be used). The same should be implemented from first week of December 2017). It was decided that NPC Secretariat may develop a framework for replacement of meters after taking inputs from RPCs on the practice being followed by the utilities

- In this connection NPC sought some details regarding SEM and SEM replacement from all entities. SRPC, vide letter dated 2.2.2018, requested all SR entities to furnish the details. The requisite details are still awaited from many entities.

Deliberations in the CCM

14.1.1. SRPC secretariat requested all entities, which were yet to furnish the details, to expedite the details in MS Excel format.

- ❖ *All entities agreed to furnish the requisite details before 31.3.2018.*
-

15. AGENDA POINT PROPOSED BY NTECL

- NTECL vide letter dated 8.3.2018 (ANNEXURE 7) requested to include the issue of outstanding dues pending for more than 60 days from APPCC, TSPCC, GESCOM, HESCOM and CESCORP.

Deliberations in the CCM

15.1.1. MS, SRPC requested the utilities concerned to arrange to clear the dues.

15.1.2. APTRANCO stated that the issue would be taken up with APPCC and will be paid shortly.

15.1.3. TSTRANSCO stated that TSPCC would arrange the payment.

15.1.4. KPTCL informed that the matter would be taken up with ESCOMs to arrange for payment.

- ❖ *All defaulted entities were requested to clear the outstanding dues as early as possible.*
-

16. PROVISION OF CHECK METERS AT DEDICATED LINE TERMINATION POINT

- In Petition number 188/MP/2016, CERC, vide its Order dated 05.12.2017 had stated, “... 21. In case, the generator has constructed its dedicated line and commercial billing is being done at interface with ISTS, i.e. at termination point of dedicated line, check meter shall be installed in addition to main meter to ensure that in the event of mal-operation of main meter, the data could be retrieved through check meter ...”

- ❖ *The forum noted the same*
-

17. FURNISHING SEM DATA TO RLDCS ON WEEKLY BASIS

- CERC in its Order (in Petition No. 188/MP/2016) dated 05.12.2017, have instructed as follows:

“25. ... We are constrained to state that not providing data by ---- for the aforesaid period is untenable and would not be tolerated in future. ---- is directed to comply with the provisions of the Grid Code and send the weekly energy accounting readings from the SEMS ...”

❖ *The forum noted the same*

18. NOTICE ISSUED BY PGCIL FOR REGULATION OF POWER SUPPLY TO KSK MAHANADI

- PGCIL issued notice, on 1.3.2018, to KSK Mahanadi Power Co. Ltd. for Regulation of Power Supply for a quantum of 300 MW with effect from 13.3.2018, in case of failure of M/s. KSK Mahanadi to clear the outstanding dues and establish the requisite LC latest by 08.03.2018.
- The regulation of power was proposed to be carried out through Western Region Transmission Corridor (for 300MW) to Southern Region Transmission Corridor (for 150MW) and to Northern Region Transmission Corridor (for 150MW).

Deliberations in the CCM

18.1.1. PGCIL informed that the regulation would be implemented and accordingly there would be proportional curtailment of SR beneficiaries.

NPCIL AGENDA POINTS

- MAPS and Kudankulam Nuclear Power Station vide their letter dated 07-03-2018 and 06-03-2018, respectively (enclosed at **ANNEXURE-8**) intimated that some of the Constituents energy bill payments are outstanding, as detailed below:

➤ For MAPS:

Entity	Period	Electricity Charges (₹)	Delayed Payment Charges (₹)	Total (₹)
CESCORP	From September, 2017	2,76,91,261	6,23,178	2,83,14,439
HESCOM	From August, 2017	6,31,91,954	55,63,072	6,87,55,026
TANGEDCO	From October, 2017	188,29,26,675	72,65,20,858	2,60,94,47,533

- M/s. GESCOM was yet to renew the LC as per the said PPA conditions. Payment of delayed settlement of energy dues of MAPS comes to an amount of ₹26, 59,842/-.

➤ **For Kudandulam Nuclear Power Station:**

Entity	Period	Electricity Charges (₹ in crores)	Delayed Payment Charges (₹ in crores)	Total (₹ in crores)
TANGEDCO	From September, 2017 to December, 2017	656.48	91.19	1296.14
HESCOM	From August, 2016 to December, 2017	152.67	13.71	210.28

Deliberations in the CCM

- 18.1.2. PCKL stated that MD, PCKL would be requested to kindly have a review meeting with DISCOMs on all the payment issues.
- 18.1.3. TANGEDCO informed the forum that the dues up to October, 2017 and September, 2017 would be cleared before 31.3.2018, in respect dues pertain to MAPS and KKNPP respectively.

❖ *The forum noted the same*

19. TANGEDCO AGENDA POINTS

- TANGEDCO vide letter dated 13-03-2018 (ANNEXURE-9) requested to discuss the agenda points related to recovery of transmission charges of the transmission system associated with IPPs in the meeting.

Deliberations in the CCM

I. Transmission projects associated with Coastal Energen Pvt. Ltd. and Ind Bharath Power Limited.

- 19.1.1. TANGEDCO stated that in the 29th and 30th meetings of the Standing Committee on Power System Planning, Common transmission system exclusively evolved for power

evacuation from the IPPs based on the LTOA agreement between PGCIL and two IPPs viz. Coastal Energen Pvt. Ltd. and Ind-Barath Power (Madras) Ltd., was approved.

19.1.2. The implementation of the transmission schemes were not matched with the progress of the generating units as mandated under Regulation 27(1) of the CERC(Grant of Connectivity, long Term Access and Medium term Open Access in Interstate Transmission and Related matters) Regulations, 2009.

19.1.3. TANGEDCO had entered into a PPA with M/s. Coastal Energen Pvt. Ltd. (CEPL) for 558 MW. The balance quantum of 542 MW of M/s. CEPL was not tied up with any beneficiaries. Further, M/s.Ind Bharath Power (Madras) Ltd. (IBPL) has neither firmed up their generation nor tied up with beneficiaries.

19.1.4. M/s PGCIL had declared COD of the assets noted below:

- a. LILO of both circuits of Tuticorin JV-Madurai 400 kV D/C Quad line at Tuticorin Pooling Station.
- b. 400kV Salem Pooling Station – Salem 400kV D/C Quad Line along with new 765/400 kV Pooling Station at Dharmapuri (initially charged at 400 kV) & Bay extensions at Salem 400/200kV existing substation and
- c. Tuticorin Pooling Station- Salem Pooling Station 765 kV D/C line (initially charged at 400kV) along with Bay extensions at Salem PS and Tuticorin Pooling Station & 80 MVAR Line reactors at each end of both circuits of Tuticorin Pooling Station- Salem Pooling station 765 kV D/C line.

LTA of 1100 MW granted to M/s CEPL was operationalized. CERC had approved the COD and included the assets under PoC and directed to share the transmission charges as per the Sharing Regulations, 2010.

II. Issues in respect of Transmission projects associated with IL&FS Tamil Nadu Power Co. Ltd.(1150 MW) and PEL Power Ltd.(987 MW)

19.1.5. 31st meeting of the Standing Committee on Power System Planning approved Common transmission system exclusively evolved for power evacuation from the above three IPPs based on their LTOA applications.

19.1.6. TANGEDCO had entered into a PPA with IL&FS Tamil Nadu Power Co. Ltd for 540MW. The balance LTA quantum was not tied up with any beneficiaries. Further, M/s PEL Power Ltd. has abandoned their generation project.

19.1.7. PGCIL declared COD of the assets, except 765 kV lines, and operationalised the LTA granted to M/s IL&FS.

19.1.8. TANGEDCO stated that under these circumstances, the PoC charges shall have to be recovered from the defaulting generator as mandated under Sharing Regulations, 2010.

19.1.9. Further, TANGEDCO sought clarification on the following:

19.1.9.1. Status of inclusion of the transmission assets into PoC from the date of COD.

19.1.9.2. Total annual transmission charges leviable on account of the associated transmission systems of CEPL and IBPL ATS as well as IL&FS and PELPL.

19.1.9.3. Transmission charges billed and recovered from the generators for the balance untied LTA quantum of all four generators.

19.1.9.4. Allocation of PoC charges, if any, to each beneficiary in Southern Region due to non-operationalization of LTA.

19.1.9.5. Financial impact to beneficiaries in southern region on implementation of the orders of CERC, dated 01.03.2018, in petition No.246/MP/2016.

19.1.10. SRPC pointed out that RTA issued by other RPCs may be referred to get the complete picture of LTA in such cases.

19.1.11. PGCIL clarified that LTA quantum operationalised were billed in full. RTA issued by the respective RPCs includes the respective quantum.

19.1.12. PGCIL further clarified that the Bank Guarantee furnished by Ind Bharath had been encashed and the issue of relinquishment by various entities are being considered by CERC.

19.1.13. Further, PGCIL brought to the notice of the forum that Hon'ble CERC vide order dated 8.3.2018, in Petition No. 229/RC/2015, ruled that generator shall be liable to pay transmission charges for the period from effective date of LTA till date of relinquishment and thereafter as determined by the Commission in Petition No. 92/MP/2015. There are number of relinquishment Orders by CERC on similar lines. CTU stated that a Committee had been formed as per the CERC Order in Petition No. 92/MP/2015. The terms of reference for the Committee were as under:-

- I. Identify the events/circumstances which are likely to result in relinquishment of long term access right by an LTA customer in terms of the provisions of the Connectivity Regulations.
- II. Suggest the methodology (ies) for assessment/determination of the stranded capacity in case of relinquishment of long term access right by a long term customer, keeping in view the meshed network of the inter-State transmission system.
- III. Alternative methodology for computation of relinquishment charges.
- IV. The manner and mode of recovery of the relinquishment charges.
- V. Any other suggestion that the Committee considers appropriate in the light of the suggested terms of reference by the parties as per Appendix B to the CERC order.

- VI. Suggest changes, if any, required to be made to the existing provisions of the Connectivity Regulations to make the process of relinquishment of long term access right and calculation of compensation therefor simple, fair and equitable keeping in view the need for expansion of ISTS network.

The following had been noted in the 32nd TCC meeting held on 16.02.2018

- *CTU informed that most of the information sought was available on the PGCIL website. Some of the issues were being dealt by the Commission/APTEL etc. under various petitions.*
- *Relinquishment of LTA was being taken up as per provisions of CERC Regulations / CERC Orders / Approved procedure. It is well within the right of LTA holder to relinquish LTA, while compensation/relinquishment charges would be as decided by the Commission. At times, LTA holders are relinquishing LTA at the last moment and even some of the states are availing power from such generators. PGCIL had been supporting the cause of beneficiaries in the relinquishment related issues.*
- *Many of the SR states were able to avail power from other regions at competitive rates since the IR corridor TTC had been enhanced / released.*
- *Most of these issues may get addressed in the proposed GNA regime. It may be prudent to await the implementation of GNA.*
- *CTU informed that due process as outlined in various Regulations/Orders was being followed.*

20. KSEBL AGENDA POINTS

- KSEBL vide their letter dated 14-03-2018 (**ANNEXURE-10**) requested to discuss the following agenda points in the CCM:
 - I. Sharing of gains on account of controllable parameters
 - II. Higher claim of coal cost inclusive of transportation cost (LPPF)
 - III. Restriction of DC by RLDC-Observation in AG audit.
 - IV. Schedules from Kudgi STPS

Deliberations in the CCM

I. Sharing of gains on account of controllable parameters

- 20.1.1. KSEBL stated that NTPC did not share the gains on account of controllable parameters i.e., Station Heat Rate, Auxiliary consumption and secondary fuel consumption on monthly basis. Instead, the gains were being shared yearly with annual reconciled values for the controllable parameters. On comparing the

- consumption based on normative values with the actual consumption, it is noticed that there were savings in the station heat rate for various NTPC stations. The financial gains due to this savings need to be shared monthly as per the regulation.
- 20.1.2. KSEBL further informed the forum that the stations of NLC Ltd. share the gains on monthly basis with annual reconciliation.
- 20.1.3. NTPC stated that all parameters given by CERC were on annual basis, and thus this method was adopted.
- ❖ *After deliberation the forum decided to obtain the considered views from all beneficiaries on the issue along with the methodology and calculations adopted by Generating Companies. NTPC and NLC were requested to furnish the methodology being followed by them.*

II. Higher claim of coal cost inclusive of transportation cost (LPPF)

- 20.1.4. KSEBL presented that the landed price of coal, when calculated based on the notified price of Mahanadi coal fields Limited and latest transportation charge, was significantly lower than the value claimed in the bills for Talcher II station. Further, NTPC issued an Energy charge revision for the month of December, 2017 in which there was an exorbitant increase of fuel cost. In the original bill of December, 2017 raised, the primary fuel rate was Rs. 1685.76/MT which had been revised to Rs.1800.36/MT in the revised bill raised on 6-2-2018. Hence, the revision claim amounting to Rs.2, 82, 95,825 was disallowed by KSEBL.
- 20.1.5. Similarly, landed price of coal claimed in the monthly bill of Kudgi station also seems to be on higher side.
- 20.1.6. However, the supporting documents to verify LPPF were not made available by the generators.
- 20.1.7. NTPC stated that providing huge amount of supporting documents may not be possible. The beneficiary may visit the generator and could access the complete document required.
- 20.1.8. NTPC further requested that holding back payments because of not sharing the supporting documents should not set precedence.
- 20.1.9. KSEBL stated that as per the Tariff Regulation, generating company shall provide to the beneficiaries of the generating station the details of parameters of GCV and price of fuel, i.e., domestic coal, imported coal, e-auction coal, lignite, natural gas, RLNG, liquid fuel etc. and the details of blending ratio of the imported coal with domestic coal, proportion of e-auction coal and the weighted average GCV of the fuels as received shall also be provided separately, along with the bills of the respective month. Further, that copies of the bills and details of parameters of GCV and price of fuel, i.e., domestic coal, imported coal, e-auction coal, lignite, natural gas, RLNG, liquid fuel etc., & details of blending ratio of the imported coal with domestic coal, proportion of e-auction coal shall also be displayed on the website of the generating

company. The details should be available on its website on monthly basis for a period of three months.

20.1.10. The forum opined that relevant stipulated details as per the Regulations need to be made available.

III. Restriction of DC by RLDC-Observation in AG audit.

20.1.11. KSEBL stated that SRLDC had been restricting the DC of CGS considering normative auxiliary consumption from January 2016. Further, AG audit team, on scrutiny of actual drawl and surrender during the year 2016-17, noticed that the surrender of power was not as per merit order. They also noticed the discrepancies in the declared capacity of ISGS and the total schedule given against 100% requisition made by KSEBL

20.1.12. As the actual data of curtailed capacity were not available, the extra financial burden on the company in connection with the excess DC considered for capacity charges could not be estimated. The AG had called for the information pertaining to the DC given to generators by SRLDC so as to assess if any excess fixed charges were paid to the generating stations. From June 2017, the DC accepted by SRLDC for scheduling was given by SRLDC. KSEBL requested that previous period data, i.e., from January 2016 to June 2017 may be furnished.

❖ *SRLDC stated that in the new scheduling programme the data was available. For the old data it had to be ascertained whether the same was stored or not. In case the old data is available, the same would be shared.*

IV. Schedules from Kudgi STPS

20.1.13. KSEBL stated that the schedule of Kerala from KUDGI STPS was getting revised even up to 50% of entitlement without any request for surrender. The maximum reduction was applied during morning and evening peak hours. Since the on bar DC of the station remains the same, the reduction in schedules reflect as surrender. Such changes in schedules reflect as violation of merit order by KSEBL. This would likely be an audit query.

20.1.14. KSEBL further stated that KUDGI STPS was taken on RSD from 28.02.2018. It was learnt that RSD had been given on request of KPTCL who has 53.92% share. However whenever they want, Karnataka was requesting share and was being allowed by SRLDC. This effectively results in Karnataka availing excess share from Kudgi at the cost of FC liability of other constituents. It was agreed in the OCC meeting held on 9.3.18 that either Karnataka would restrict their requisition to 3.96% or give sufficient schedule to take the second unit from RSD. However this was not seen implemented.

20.1.15.KSEBL further requested the forum that the matter, which involves commercial neutrality of RSD, may be deliberated.

20.1.16.It was noted that that the Regulations are very clear in the matter, which is reproduced below:

“5.10. When the machine is going under RSD:

- i. In case the total requisitioned power can be supplied through other units in the same generating station on bar, the generator shall be scheduled according to the requisitions received.*
- ii. In case total requisitioned power cannot be supplied through other units in the same generating station on bar, the requisition from the beneficiaries shall be reduced in the ratio of requisitioned power.*
- iii. In the special case of a generating station where the only running machine is going under RSD, the beneficiaries who have requisitioned power will not get any power from that generating station. In such cases, the beneficiaries may make arrangement from alternative sources.”*

20.1.17.SE, SRPC stated that in the last OCC meeting it had not been agreed to restrict Karnataka’s requisition, as stated by KSEBL.

20.1.18.KSEBL enquired if the curtailed schedule is considered in compensation calculations.

- ❖ It was clarified that beneficiaries who schedule less than 85% of their allocation with respect to on-bar DC only would be considered for compensation payment.*
- ❖ The Procedure was to be reviewed after six months of its notification based on feedback received from NLDC and RLDCs. The beneficiary states could take up their concern with NLDC/SRLDC to seek clarity on the issue.*

21. NTPC AGENDA POINT

- NTPC vide letter dated 14.3.2018 (**ANNEXURE-11**), placed the agenda regarding non-payment of compensation charges by TANGEDCO being billed by NTPC.

Deliberations in the CCM

21.1.1. NTPC stated that in the 36thCCM, it was brought to notice that TANGEDCO was not making payments against bills raised for compensation charges as per CERC Regulation on subject. In response to the suggestion of TANGEDCO regarding deferment of payment of compensation charges, it was decided by the forum that all payments as per account statements were to be paid by the constituents, conforming to the regulations applicable.

- 21.1.2. Subsequent to above, matter was again taken up with TANGEDCO for payment of compensation charges being billed by NTPC. However, TANGEDCO was not releasing the payment against compensation charges and making short payments against NTPC bills.
- 21.1.3. Member Secretary, SRPC stated that payments were to be made as per extant Regulations.
- 21.1.4. TANGEDCO informed the forum that the issue would be discussed with Finance Department to release payments.

❖ *TANGEDCO was requested to pay the compensation charges being billed by NTPC.*

22. COMMERCIAL OPERATION DECLARATION OF ISTS ELEMENTS & ISGS (CGS) DURING THE FINANCIAL YEAR 2017-18.

Deliberations in the CCM

Details of PGCIL SR-I and SR-II elements are enclosed at **ANNEXURE-12**.

- 22.1.1 APTRANSCO requested that fixed charges of assets considered for the next quarter may be provided by PGCIL.
- 22.1.2 PGCIL stated that provisional amount would be shown as an extra column.
- 22.1.3 ISGS were requested to furnish the information in respect of ISGS also.

23. DATE AND VENUE OF 38TH MEETING OF CC

38th Meeting of Commercial Committee is scheduled to be held in the month of May/June 2018. The date and Venue of the meeting would be communicated in due course.
