



दिल्ली ट्रांसको लिमिटेड DELHI TRANSCO LIMITED

पंजीकृत कार्यालय : शक्ति सदन, कोटला रोड, न्यू दिल्ली-110002

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Office of Manager (Energy Accounting)

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No. F./DTL/207/17-18/Mgr(EA)/31

Dated : 13.04.2017

To

The participants through email.

Subject : Minutes of the Meeting held in SLDC on 03.04.2017 at 03:00 p.m. on the subject of issuance of various energy accounts by SLDC.

The Stake Holders were critical of the delay of issuance of energy accounts as per the provisions of various standards and Grid Codes.

This meeting was called to find a solution to speed up the preparation and issuance of the Energy accounts.

List of participants is enclosed as Annexure

The Gist of discussions and decisions are as under:-

1 SLDC presented the details of the status of accounts being issued by SLDC as under:-

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
1	Provisional monthly State Energy Accounts	Being issued by 6 th of every month for the preceding month	Daily generation schedules of Intrastate generators and NRPC Provisional REAs	Being issued on time
2	Monthly Transmission Capacity Allocation	For recovery of monthly Transmission Charges of DTL on monthly basis being done by 10 th of every month for preceding month	Allocation of power to various distribution licensees	Being issued on time
3	SLDC Charges bill	For recovery of Delhi SLDC Charges on monthly basis being done by 10 th of every month for preceding month	Allocation of power to various distribution licensees	Being issued on time
4	Allocation of NRLDC Charges	The allocation of NRLDC charges to be paid by the users as per the NRLDC fees and charges of Regulations of CERC is being issued before the due date i.e. 55 th day of issuance of bills by NRLDC	Allocation of power to various distribution licensees	Being issued on time

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
6	Inter Discom Transfer (IDT) on day ahead basis	Cumulatively on monthly basis is being issued by 15 th of every month for the preceding month	Quantum of daily transfer as per the SLDC records	Being done on time
7	Deviation Settlement Mechanism (DSM) Weekly Accounts	41 st Week of 2016-17 issued on 03.04.2017.	SEM data from Metering Department, implemented schedules from NRLDC Website, Master Frequency Data from NRPC Accounts	<p>DSM Regulations stipulates the following:- 9. Accounting of Charges for Deviation (1) <u>A statement of Charges for Deviations including Additional Charges for Deviation levied under these regulations shall be prepared by the Secretariat of the respective Regional Power Committee on weekly basis based on the data provided by the concerned RLDC(s) by the Thursday of the week and shall be issued to all constituents by next Tuesday, for seven day period ending on the penultimate Sunday mid-night.</u></p> <p>Even NRPC could reduce the gap only recently, though ABT was implemented in Northern Region on 01.12.2002. It could make possible after the implementation of AMR which was undertaken in the year 2009. So far, full AMR could not be implemented in NR.</p> <p>As far as Delhi is concerned, the Metering Division of DTL downloads the metering data from some location on biweekly basis and in some locations, it is being done through the S/Stn PC through internet to Metering Division. At present, 313 nos of meters are involved at 63 locations. The issue of AMR was discussed in 16th GCC meeting held on 18.01.2017 wherein BRPL has raised the issue of AMR and transfer of data on real time basis for management of power purchases. The extracts of the MoM are appended hereunder:-</p> <p>9.3(i) Additional facility of ABT meters. a) Provision to capture reactive power drawl/supply every month. b) Automation of all ABT meters installed in DTL grids so that all discoms get the data of daily Million Units consumption.</p> <p><i>It was clarified by DTL that AMR provision is under consideration of DTL for a long time. However, due to fund crisis owing to non payment of dues by utilities especially BRPL and BYPL, the scheme has not been taken on priority. If funds availability improves, the scheme would be implemented after due processing.</i></p>

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
				<p><i>GCC noted the position and advised DTL to speed up the implementation of AMR in view of its importance in managing the power purchases and scheduling of power arising optimization of power purchase cost. Utilities were also advised to ensure timely payment to DTL to ensure implementation of such schemes.</i></p>
8	<p>Inter Discom Transfer (IDT)-II based on actual meter readings on monthly basis.</p>	<p>Issued upto October 2016.</p>	<p>SEM data, implemented schedules, frequency etc.</p>	<p>Delayed by 5 months. It was intimated that in the Delhi Power Procurement Group (DPPG) held on 06.03.2013 meeting, the following was decided :- Inter Discom Transfer of surplus Power In the meeting held on 01.03.2013 at Delhi Secretariat chaired by Principal Secretary (Power), GNCTD regarding summer preparedness while discussing the areas of mutual cooperation and coordination, the issue of transfer of surplus power on real time basis to needy discoms of Delhi was discussed. All CEOs of Distribution Companies agreed in principle the proposal. Accordingly, the item is included in the agenda for discussions. DPPG decided the following as under:- <i>"Indian Electricity Grid Code (IEGC) stipulates the State as a whole to maintain scheduled drawal in respect of various frequency regime as under:-</i> 5.4.2 Demand Disconnection (a) SLDC/ SEB/distribution licensee and bulk consumer shall initiate action to restrict the drawal of its control area ,from the grid, within the net drawal schedule whenever the system frequency falls to 49.8 Hz (b) The SLDC/SEB/distribution licensee and bulk consumer shall ensure that requisite load shedding is carried out in its control area so that there is no over drawl when frequency is 49.7 Hz. or below. c) Each User/STU/SLDC shall formulate contingency procedures and make arrangements that will enable demand disconnection to take place, as instructed by the RLDC /SLDC, under normal and/ or contingent conditions. These contingency procedures and arrangements shall regularly be / updated by User/STU and monitored by RLDC/SLDC. RLDC/ SLDC may direct any User/STU to modify the above procedures/ arrangement, if required, in the interest of grid security and the concerned User/STU shall abide by these directions.</p>

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
				<p>d) The SLDC through respective State Electricity Boards/ Distribution Licensees shall also formulate and implement state-of-the-art demand management schemes for automatic demand management like rotational load shedding, demand response (which may include lower tariff for interruptible loads) etc before 01.01.2011, to reduce overdrawl in order to comply para 5.4.2 (a) and (b). A Report detailing the scheme and periodic reports on progress of implementation of the schemes shall be sent to the Central Commission by the concerned SLDC.</p> <p>e) In order to maintain the frequency within the stipulated band and maintaining the network security, the interruptible loads shall be arranged in four groups of loads, for scheduled power cuts/load shedding, loads for unscheduled load shedding, loads to be shed through under frequency relays / df/dt relays and loads to be shed under any System Protection Scheme identified at the RPC level. These loads shall be grouped in such a manner, that there is no overlapping between different Groups of loads. In case of certain contingencies and/or threat to system security, the RLDC may direct any SLDC/ SEB/distribution licensee or bulk consumer connected to the ISTS to decrease drawal of its control area by a certain quantum. Such directions shall immediately be acted upon. SLDC shall send compliance report immediately after compliance of these directions to RLDC.</p> <p>2 In hierarchy, the IEGC should first be adhered and then the State Grid Code provisions.</p> <p>3. While obviating the violation of IEGC provisions and to avoid load shedding in Delhi in case the State as a whole does not violate the drawal positions as stipulates in the above Grid Code provision, DPPG proposed the following methodology to use one Distribution Licensee's surplus by the other Distribution Licensee(s) who is facing shortages on real time basis.</p> <p>a)No Distribution Licensee should be compelled to carry out load shedding in their areas under over drawal conditions if Delhi as a whole is not over drawing from the Grid in the respective frequency band fixed in IEGC.</p>

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
				<p>b) While drawing out drawal schedules of Distribution Licensees on the real time basis of Special Energy Meter (SEM) readings, Delhi SLDC would transfer the surplus power available with any Discom to Distribution Licensees who is in shortage in proportion to their shortage when shortage is more than surplus, otherwise in proportion to surplus available. This transaction only occurs in 15 minutes time block when the frequency is below the band wherein the penalty is applicable to any Discom. All these transaction would be on post facto basis.</p> <p>c) Delhi SLDC shall issue Monthly Energy Accounts of such transfer after the receipt of the entire month's SEM data.</p> <p>d) The rate would be the frequency linked UI rate prevailing at the time and applicable only when the frequency band is below the penalty level which is at present 49.7Hz. Hence, the rate of these inter discom transfer of power would be at UI Rate when penalty is applicable which is at present 49.7Hz and rate at this frequency is presently Rs. 9.00/kWh.</p> <p>e) The availing utility has to pay the supplying utilities within 10 days of the issue of the Accounts by SLDC (to be posed in SLDC website) failing which the delayed payment surcharge of 0.04% per day from the date of issue of the Accounts would be applicable</p> <p>f) The above approved inter discom transfer arrangements will be applicable from 1st April 2013".</p> <p>After implementation of DSM regulations w.e.f. 17.02.2014 the penalty based on frequency band was replaced with volume based (if any utility overdraws more than 12% of its scheduled drawal the penalty is imposed @ 20% - 100% of the DSM rate corresponding to the block frequency depending upon the variation of drawal while the under drawing utility who is under drawing more than 12% of the schedule drawal will not be paid for the Underdrawal beyond 12% of the schedule drawal). Accordingly, IDT-2 methodology was also modified in the Scheduling Procedure (Aug. 2014) drawn out in consultation with the stake holders and submitted to DERC. The extract of the Scheduling Procedure in this regard are appended hereunder:</p> <p>12 COMPLEMENTARY COMMERCIAL MECHANISM FOR INTER DISCOM TRANSFER OF SURPLUS POWER TO BE WITHIN THE STIPULATIONS CONTAINED IN DEVIATION SETTLEMENT MECHANISM.</p> <p>To avoid the penalties for overdrawal and underdrawal as stipulated in the Deviation Settlement Mechanism Regulation notified by CERC, it is proposed to draw out inter Discom Transfer of surplus energy as under:</p> <p>a) SLDC shall draw out the surplus / shortages of individual Discoms from their Final implemented schedule and actual based on SEM reading. Based on this shortage/surplus SLDC shall distribute the individual surplus to the needy discoms when both surplus and needy discoms violate the limits specified in Deviation Settlement Mechanism Regulations. The rates would be as per the rates mentioned in Deviation Settlement mechanism at each frequency regime.</p> <p>b) SLDC shall issue monthly accounts indicating such interdiscom transfers after getting the SEM data for the entire month.</p> <p>c) All utilities shall settle the accounts within 8 days of issue of such accounts, failing which a late payment surcharge of 0.04% per day applicable on the outstanding dues.</p>

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
				<p>d) Delhi Power Procurement Group in its meeting held on 17.06.2014 has decided the methodology of Payment Security Mechanism (PSM) for the Inter Discom Transfer as under:</p> <p>All Discoms which had at any time during the previous financial year failed to make payment of Charges for the power transferred through the IDT mechanism within the time specified shall be required to open a Letter of Credit (LC) equal to 110% of its average payable monthly liability for the IDT in the previous financial year, in favour of the concerned Discom within a fortnight from the date of approval of DERC for implementation of the scheduling procedure.</p> <p>Provided that –</p> <p>(i) if any Discom fails to make payment of Charges for the power transferred through the IDT mechanism by the time specified during the current financial year, it shall be required to open a Letter of Credit equal to 110% of monthly outstanding liability in favour of respective Discom within a fortnight from the due date of payment.</p> <p>(ii) LC amount shall be increased to 110% of the payable monthly liability for IDT in any month during the year, if it exceeds the previous LC amount by more than 50%.</p> <p>Illustration: If the average payable monthly liability for the IDT of a Discom during 2013-14 is Rupees 20 crore, the Discom shall open LC for Rupees 22 crore in 2014-15. If the monthly payable liability during any month in 2014-15 is Rupees 35 crore which is more than 50% of the previous financial year's average payable monthly liability of Rupees 30 Crore, the concerned Discom shall increase the LC amount to Rupees 38.5 Crore (1.1* Rupees 35.0) by adding Rupees 16.5 Crore."</p>
09	Reserve Regulation Ancillary Services (RRA) Accounts	32 nd Week of 2016-17	Details of 15minutes slot wise surrendered power from different sources to be given by NRPC	NRPC has issued the Accounts upto Week-52 nd Week of 2016-17. The data of Delhi surrender from each generator which is used in RRAS up in 15 minutes time blocks has not been provided by NRPC. This data is required to identify the particular Discom who has surrendered the quantum of power so that they should get the compensation. The matter was raised in 32 nd Commercial Sub-Committee meeting held on 07.04.2017 wherein NRPC has agreed to provide the data.

S. N.	Details of accounts	Current status	Input data required for preparation of Accounts	Remarks
10	Congestion Charges	Only one day in 2016-17 i.e. on 16.09.2016 from 00.15hrs. to 01.30hrs. as per NRPC Accounts	Over drawal / Underdrawal by individual discoms and under generation / over generation by Intrastate Generators.	No account is pending.

From the above, it has been observed that only DSM is lagging behind by 7-8 weeks & IDT-2 is lagging by 5 months basically because of non-availability of meter reading and proper software.

- 2 It was pointed out by SLDC that as per the discussions held in the meeting held on 04.04.2007 immediately after the implementation of Intra State ABT in Delhi w.e.f. 01.04.2007, it was proposed that the accounts were prepared by Intra State Utilities as the Scheduled and Actual energy data was made available to them and reconcile the same at SLDC. The extracts of the MoM held on 04.04.2007 in this regard are appended hereunder:-

The meeting was necessitated to thrash out issues in the light of DERC order dated 31.03.2007 para no. 18(3) which states "**SLDC shall act as the nodal agency for collection and distribution of UI charges as far as intra-state ABT is concerned. As regards regional ABT, a settlement mechanism shall immediately be worked out together by the STU, SLDC and the Discoms (who are represented in the RPC) in consultation with the NRLDC. This settlement shall be worked out by 04.04.2007.**

To trash out issues regarding ABT and its settlement mechanism for UI pool account the consultations were carried out with the senior officials in NRLDC on 03.04.2007 and on 04.04.2007. The NRLDC was of the view that UI Accounts and Monthly Energy Accounts may be prepared by the Distribution Licensees and generating utilities within Delhi since the daily implemented schedules which is the base for energy accounts which are known to the utilities. The accounts prepared at state level (SLDC) and at Regional level (RLDC and RPC) could be used for reconciliation. In the ABT regime the main essence of the structure is decentralization of all the activities right from scheduling of power from the available sources, the load control including the commercial activities i.e. preparation of monthly Energy Accounts and weekly UI accounts.

Accordingly, the above advice of NRLDC was put before the state utilities in the meeting for consideration.

The utilities univocally requested SLDC to carryout the accounting activities at SLDC level as the implementation of Intra State ABT in Delhi was a surprise decision and they are new to the concept and not geared up for preparation of energy accounts analogous with SLDC. They were also of the view that the preparation of accounts by them has no sanctity as per the law as the section 32 (2) (c) of EA 2003 mandate only SLDC to **keep accounts of the quantity of electricity transmitted through the state grid** . However, the advice of NRLDC could be carried forward at a later stage when the procedures are stream lined and the utilities are fully conversant with the operation of Intra State ABT in Delhi.

(Emphasize supplied)

It will not only reduce the time lag but also reduce the discrepancies and revisions of the accounts which is one of the main reasons of preparation and delay in issuance of the accounts. Now, by passage of time, all Intrastate Utilities are well conversant with the preparation of DSM Account, there won't be any issue of preparation of accounts.

3. Utilities were of the view that the preparation of individual accounts would further delay the process, as different users would prefer to adopt their own methodology to draw the accounts. It was countered by SLDC that the set of rules for preparation of accounts are same and information would be provided by SLDC to prepare the accounts. However, all utilities agreed to extent full cooperation to speed up the Accounts preparations.
4. **It was concluded that SLDC may make the accounts and provide the same to all Stake Holders and give 5 days time before issuing the same, if no comments are received within the stipulated time, it may be assumed that there is no discrepancy and no further revision may be undertaken.**
5. It was further noticed that IDT-2 was one of the main reasons of delay of the accounts. It was also noted that the decision was taken in the DPPG meeting held on 06.03.2013. By passage of time and implementation of DSM Regulations on 17.02.2014, it has been observed that very few quantum of transaction is undertaken under this category and if IDT-1 is operationalized systematically i.e. the surplus and shortages of each utility be properly assessed on day ahead basis and the same be offered to the needy Discoms the need for IDT-2 will never arise.
6. It was also pointed out that as per Indian Electricity Grid Code (IEGC) provisions, the post facto revisions of the schedule should be minimum (IDT-2 is the post facto revision of schedule) as such revisions dilutes the essence of implementation of grid discipline.
- 7 **DGM(SO) was accordingly advised to take up the matter in DPPG to cease the IDT-2 transactions.**

Finalization of Accounts for 2015-16

- 8 SLDC informed that the State Electricity Regulatory Commission has undertaken the process of finalization of ARR of all Utilities. As such, the settlement of the accounts of 2015-16 is required to be closed at the earliest.
- 9 Since the State Monthly Energy Accounts issued so far are provisional, all accounts are required to be finalized after taking care of all discrepancies. So far, SLDC could issue the Final Monthly Energy Accounts only upto June 2015. Balance Accounts are required to be issued in a time bound manner.
- 10 **It was decided that all Utilities will intimate the discrepancy, if any in the provisional accounts for FY 2015-16 upto 15th April 2017 so that SLDC can revise all the accounts by 31st May 2017.**

11 It was also suggested that the same analogy be adopted for the accounts to be revised for FY 2016-17.

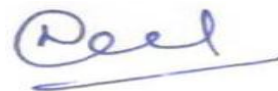
12 GM(SLDC) was also requested to take up the matter with the State Commission in respect of issues referred for finalization of DSM Accounts.

Preparation of DSM Accounts of Open Access Customers

13 It was informed by SLDC that the DSM Accounts of Open Access Customers are pending since August 2016. It was indicated that at present about 28 transactions are taking place under Intra State Open Access. The preparation of the bills of these small customers also delaying the issuance of other accounts, though the transactions are less than 1% of the total volume of the transactions in terms of energy.

14 It was also pointed out that the actual energy meter data are provided by the Distribution Companies as the Open Access Customers are embedded in their respective systems. To cover up the delay, it would be appropriate to draw out DSM Accounts by the Distribution Companies for Open Access Customers which can be checked up and issued by SLDC in a time bound manner. All the Stake Holders agreed for the same. A blank working sheet for preparation of DSM Accounts of OA Customers would be provided by SLDC to the concerned DISCOMs for preparation of the same for maintaining uniformity.

15 The Meeting ends with thanks to the Chair.



(NAVEEN GOEL)
Manager (Energy Accounting)

Copy for favour of kind information to :-

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2. Chairman & Managing Director, DTL
3. Chairperson, NDMC, Palika Kendra, Sansad Marg, New Delhi-110001
4. Member Secretary, NRPC, Katwaria Sarai, New Delhi-110016
5. Managing Director, IPGCL / PPCL, Himadri, Rajghat Power House, New Delhi-02
6. Director (Finance) DTL
7. Director (Operations), DTL
8. Director (Commercial), NTPC
9. Executive Director (Tariff), DERC
10. Executive Director (Engineering), DERC
11. General Manager, NRLDC
12. General Manager, BTPS
13. General Manager, (C&RA), DTL
14. CEO, BSES Rajdhani Power Ltd, BSES Bhawan, Nehru Place, New Delhi-110019
15. CEO, BSES Yamuna Power Ltd, Shakti Kiran Building, Karkardooma, New Delhi-92
16. CEO, TPDDL, 33kV Grid S/Stn, Hudson Lane, Kingsway Camp, Delhi-110009
17. Chief Engineer, Delhi Zone,(CEDZ), MES Palam Road, Delhi Cantt, New Delhi-10
18. Director (Power), NDMC
19. Addl. Secretary (Power), Govt. of NCT of Delhi, Delhi Secretariat, New Delhi.

List of participants attended the meeting to discuss status of different accounts issued by SLDC at Delhi SLDC on 03.04.2017 at 03.00PM, New Delhi-110002

Sr.No.	Name of officer	Designation	Company	Phone No.	E.Mil.
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