

STATE LOAD DESPATCH CENTRE (DELHI)

राज्य भार प्रेषण केंद्र (दिल्ली)

Office of Dy. General Manager (System Operation)

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No. F./DTL/207/2019-20/DGM(SO)/05

Dated : 18 .04.2019

Subject: Additional Agenda of the 21st meeting of Grid Coordination Committee.

Dear Sir, / महोदय

This is in continuation to the agenda for 21st GCC meeting scheduled to be held on 22.04.2019. BYPL and IPGCL have submitted additional agenda as under:-

1. Additional Agenda by BYPL:-

a. Refund of NRLDC charges for period FY 2009-2014, as per Hon'ble CERC direction.

- Hon'ble CERC vide notification dated 18.09.2009 issued the CERC (Fees and Charges of Regional Load Despatch Centre and other related matters), Regulation 2009 for determination of fee and charges for RLDCs for the control period 2009-14.
- Accordingly, fees and charges of NRLDCs were billed and collected by NRLDC from Delhi Discoms through Delhi SLDC (Nodal Agency). The billed amount was being paid by Discoms to DTL and the same was being disbursed by DTL to NRLDC (after deducting the TDS).
- In compliance to CERC order dated 31.03.2015 and ROP dated 07.07.2015 and CERC final order dated 18.03.2016 for true up of principal and interest refund amount for the period Apr-09 to Mar-14, NRLDC has refunded the differential amount of Delhi Discoms, to DTL on May-2015 (95%) and July-2016 (balance).
- Delhi Discoms including BYPL have not received the refund of differential amount till date.
- The matter was discussed in 14th GCC meeting dated 26.04.2016, wherein Delhi SLDC informed that the refund has been received from NRLDC which shall be refunded to Delhi Discoms including BYPL very soon. Based on the advice of GCC, a meeting was held on 28.04.2017 in Delhi SLDC regarding this issue. It was informed that 100% refund has not been received from NRLDC and some amount pertaining to Double TDS and LPSC due to less payment has not been released by NRLDC.
- The paras pertaining to the decision of this meeting are reproduced below :-

Quote

19. With regard to refund of True Up expenses of 2009-14 and 2014-19 (for the period upto December 2016), the TDS in respect of Discoms would be reimbursed to the USERS as per their dues. It was also brought out that the TDS credit given by Discoms has been used by DTL in discharging the total tax liabilities of DTL as DTL is operating SLDC. SLDC shall refund the amount due to true up of NRLDC Charges along with TDS credit availed by DTL to the Delhi Discoms/ Beneficiaries at the earliest. However, with regard to the surcharge deduction the same would be possible after the amount is reimbursed by RLDC.

21. Director (Operations), DTL advised Finance Section of SLDC to immediately reconcile the TDS for the period October 2010 till date. with regard to Discoms for NRLDC Charges with DTL.

Unquote

➤ As per above, the refundable amount from Delhi SLDC is worked out as under:-

Details of POSOCO refund to be given to Delhi Discoms by DTL computed upto 31.03.2019					
S.N.	Billed as per CERC approval	CERC approved Trued up Charges	Difference	Interest upto 31.03.2016	Total
	A	B	C=A-B	D	E
Apr-09 to Sept-10	75884923	74073549	1811374	1083458	2894832
Oct-10 to Mar-14	160384523	131605615	28778908	5431003	34209911
Total	236269446	205679164	30590282	6514461	37104743

Interest Calculation	Refundable Amount (as on 31.03.16)	Days	ROI (%)*	Interest	Total refund
FY 16-17	37104743	365	12.80	4749407	41854150
FY 17-18	41854150	365	12.60	5273623	47127773
FY 18-19	47127773	365	12.20	5749588	52877361
BYPL Share				25.40%	13430850

Note:- ROI calculated as per the CERC regulation ie: SBI PLR rates as on 1st April of respective year plus 3.50 points

➤ In the 20th GCC meeting held on 28.11.18, Delhi SLDC was directed to refund the amount at earliest, but refund has still not been received till date.

GCC may discuss and deliberate

b. CERC on 22.11.2018, notified an amendment to DSM (4th Amendment) Regulations, 2018 implemented w.e.f. 1st January, 2019.

- Amendment of Regulation 7 (Limits on Deviation volume and consequences of crossing limits) of the Principal Regulation
- 4.19 Clause (10) of Regulation 7 of the Principal Regulations shall be read as under:
- "In the event of sustained deviation from schedule in one direction (positive or negative) by any regional entity (buyer or seller), such regional entity shall have to change sign of their deviation from schedule, at least once, after every 6 time blocks. To illustrate, if a regional entity has positive deviation from schedule from 07.30 hrs to 09.00hrs, sign of its deviation from schedule shall be changed in the 7th time block i.e. 09.00hrs to 09.15hrs from positive to negative or vice versa as the case may be.
- Provided that violation of the requirement under this clause shall attract an additional charge of 20% on the daily base DSM payable / receivable as the case may be."
- 4.20 A new clause shall be added after clause (11) of Regulation 7 of the Principal Regulations, as under: - "(11a) The additional charge for violation of sign change stipulation shall be leviable for each such violation during a day. To illustrate, the change of sign should take place at least

once after every six time blocks. Accordingly, the entity, starting from time block t1, should change the sign after time block t6. In case, sign change does not take place immediately after time block t6, but takes place from time block t7 upto time block t12, additional charge shall be levied equivalent to one violation. In case, sign change does not take place immediately after time block t12, but takes place from time block t13 upto time block t18, additional charge shall be levied equivalent to two violations. Provided that in case of run of river projects without pondage, payment of additional charge for failure to adhere to sign change requirement shall apply from such date as may be notified by the Commission. Such generators shall, however, be required to follow the sign change requirement and report to POSOCO the reasons for non-adherence to the requirement”

Interpretation

- Utilities shall not sustain to deviate from its schedule for more than 6 continuous time blocks in one direction. They must change the sign of its deviation from schedule on every 7th time block. Each such violation, shall levy an additional charge of 20% on the daily DSM payable / receivable. The number of violations may go upto 15 violations in a day and amount to the penalty of 300% of daily base DSM payable / receivable.

BYPL Comments

- The above CERC Regulation has already come in effect from 01.01.2019 and DERC might adopt the same at Intra-state level.
- The penalty imposed on discoms for non-adherence to sign reversal after every 6th time-block of UD/OD might result to huge financial losses as the penalties imposed are not a pass through by the State Regulator.
- The additional burden on utilities for non compliance of sign reversal regulations is as under:

Week 41- 51	Deviation Amount (Rs. In Lakh)	No of Sustain Deviation Incident	Intra State Sustain Deviation (Rs. In Lakh)	Prorata Amount Sustain Deviation (Rs. In Lakh)
NR	-639	562	2546	0
TPDDL	-43	337	603	304
BRPL	-1209	704	2828	1185
BYPL	373	331	499	210
NDMC	180	578	664	224
MES	318	1017	918	353
Nrail	154	792	364	151
GT	-19	552	59	19
PRAGATI	6	275	26	8
BAWANA	115	484	263	92
Total of Entity	-124	5070	6224	2546

- The financial impact on adoption of the above provisions by DERC might result to an additional burden on BYPL. It is therefore requested that SLDC may approach DERC for non-adoption of the provisions of penalty for non-adherence to sign reversal regulations for Delhi discoms at Intra-state level.

GCC may discuss and deliberate

2. Additional Agenda by IPGCL

The GTPS plant was commissioned in 1986 as peaking power station and converted to base load station in 1995 with installation of Waste Heat Recovery Units. The Power Purchase Agreement of Gas Turbine Power Station is expiring in March, 2021. Gas Turbine Power Station has strategic importance and inherent features to ensure reliable operation of State Grid since it is embedded Power with Black start facility for grid safety & stability. The station is also one of the important elements of islanding scheme of Delhi state approved by Central Electricity Authority / NRPC. Its operation is required not only on commercial lines but also from the perspective of planning, grid safety and security. During consequential National Grid failure on 30th and 31st July 2012 these machines came on bar on black start, in Islanding mode and helped to restore the emergency services like hospitals etc and helped in evacuation of Metro Passengers Stranded in the tunnels at various locations of the Metro network. There are various other occasions when in case of total grid failure plant was run on islanding mode to supply radial feeding.

At Present around 0.4 -0.5 MMSCMD cheaper domestic gas has been allocated by Ministry of Petroleum and natural gas, Govt. of India with swapping facility to higher efficiency plant i.e. PPS-I & PPS-III, resulting in overall reduced power purchase cost of Delhi DISCOMs. In case it is decided to decommission the plant after March 2021, the allocated cheaper domestic gas to the tune of 160.6 MMSCM per annum will be de-allocated and result in loss of opportunity to utilize the gas and bring down overall cost of power purchase. As per present gas fuel charges, it is estimated that the additional financial burden for total power purchase will be to the tune of Rs. 350 Cr. per annum if the same is generated through RLNG at existing power stations of PPS-I and PPS-III, and around Rs 201.17 Cr after offsetting annual fixed cost of around Rs 148.83 Cr (for FY 2019-20). Thus there is net economical gain in terms of overall power purchase cost reduction of the beneficiaries apart from the fulfillment of technical requirements of Delhi Grid.

It is pertinent to mention that during the winter load conditions, grid is suffering from the problem of the over voltage and under voltage during summer affecting the electrical equipments of transmission and distribution system. The condenser mode of gas turbine can be used to regulate the grid voltage in both under/over voltage conditions. In the absence of the fixed reactors, the reactive compensation through the GTPS being flexible is most suited to the energy profile of Delhi. There are grid locations like Electric Lane where the fixed reactors are not feasible due to location constraints. In view of these constraints, the reactive compensation from the GTPS will suitably provide the relief in the interconnected network. The plant can be made ready for synchronous Condenser Mode Operation through installation of SSS clutch in all six gas turbines.

In this regard, a meeting was called on 07.03.2019 under the Chairmanship of Hon'ble Secretary power GNCTD to discuss and decide the need of operation of GTPS beyond March 2021 (The copy of MOM is enclosed). The meeting was attended by all stake holders of Delhi as well as CEA and DERC. The meeting concluded with common agreement on the following:

- a. Load flow study by SLDC for evaluation of active and reactive power requirement from the station,
- b. Detailed submission by IPGCL supported by offer from service provider on Turnkey basis for R&M for restoration of capacity and reliability of the plant with a view to utilize/retain full domestic gas and to provide SSS catch in required number of machines for further 10 years.

IPGCL has already initiated action on 'b' above. SLDC requested to take necessary action regarding load flow study for evaluation of active and reactive power requirement from the station.

The agenda is being put up for apprising the GCC about the decision taken in the aforesaid meeting and further action by the stakeholders.

Thanking you,

Yours faithfully

(PRADEEP KATIYAR)
Dy. G.M. (System Operation)
Convener, GCC

To

1. **Sh. Prem Prakash, Chairperson, GCC**
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4. **Sh. V. Venugopal, G.M. (O&M)-II, Delhi Transco Ltd.**
5. **Sh. Loveleen Singh, G. M. (Corporate Monitoring & SEM), DTL**
6. **Sh. M. A. Khan, G. M. (Project)-I, Delhi Transco Ltd.**
7. **Sh. K.K. Verma, G. M. (O&M)-I, Delhi Transco Ltd,**
8. **Ms. Kiran Saini, G. M. (Project)-II, Delhi Transco Ltd**
9. **Sh. Mukesh Kumar Sharma, G. M. (P&M, Disaster Management & Safety), DTL**
10. **Sh. Suresh Kumar Sharma, G.M. (C&MM), DTL**
11. **G.M. (Civil), DTL**
12. **Sh. P.K. Malik, General Manager (Finance), DTL**

13. G.M. (C&RA), DTL
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15. **Sh. Bhupender Nath GM, DMRC, Ph. 9999533627** Inderlok Metro Station, Delhi
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17. **General Manager (Electrical), DMRC**
18. **Sh. Jagdish Kumar, Director(Tech), IPGCL / PPCL**
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28. **Sh. Salil Saxena, VP, (System Operation), BRPL**
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31. **Dy.G.M. (Market Operation), NRLDC, 18-A, SJSS Marg, New Delhi-110016**
32. **Sh. Mahender Singh, Secretary, DERC**
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44. **Sh. R.S. Meena, Dy. G.M. SLDC**
45. DGM/ (Energy Accounting)
46. Manager (HW), SCADA, SLDC
47. Ms. Anjalee Das, (Manager Software), SCADA, SLDC
48. **Sh. Naveen Goel**, Manager (T), System Operation, SLDC.
49. **Ms. Sonali Garg**, Manager (Energy Accounting), Delhi SLDC.
50. **Manager (SO)-Shift**, Delhi SLDC.
51. Dy. Manager (Finance), SLDC.
52. Sh. Appi Reddy, Associate V.P. DMSWL, Sector-5, Pocket N-1, Bawana Industrial Area, Behind Pragati Power Plant, Bawana, New Delhi-110039
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53. Project-in-Charge, 12MW East Delhi Waste Processing Company Ltd, Near Veterinary Hospital, Gazipur, Delhi-110096, Ph.22782152.
54. Sh. Sudhir Saxena, Chief Executive Officer, Railway Energy Management Co. Ltd.Ground Floor, Central wing, Plot No-1, Sector-29, Gurgaon-122001

Copy for favour of kind information to :-

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4. Chairperson, NDMC, Palika Kendra, Sansad Marg, New Delhi-110001
5. Member Secretary, NRPC, Katwaria Sarai, New Delhi-110016
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7. Managing Director, IPGCL / PPCL, Himadri, Rajghat Power House, New Delhi-02
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