

Office of

Manager (System Operation)

33kV Grid Sub-Station Building

Minto Road, New Delhi-110002

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DELHI TRANSCO LIMITED

STATE LOAD DESPATCH CENTER

REGD. OFFICE : SHAKTI SADAN BUILDING, KOTLA

ROAD, NEW DELHI-110002

www.dtl.gov.in

www.delhisldc.org

No. F.DTL/207/2020-21/Mgr(SO)/EAC/1074

Dated: 04.02.2021

TO,

G. Manager (Commercial)NTPC, Noida (Fax No. : 95120-2410056)

G. Manager (BTPS), (Fax No. : 95120-2410056)

Managing Director (IPGCL)

Managing Director (PPCL)

Head, PMG, BYPL

Head, PMG, BRPL

MD, TPDDL, Kingsway Camp, N Delhi-09

Director (Commercial), NDMC

G.E.(U),Electric Supply

Pr. Chief Electrical Engineer/NR,Headquarter Office, Baroda House, N. Delhi

SE (Commercial), NRPC

Sub.: **Provisional Intra-State ABT based Energy Account for the month of January 2021.**

Sir,

Please find herewith the Provisional Intra-State ABT based Energy Accounts for the month of Jan-2021.

The Energy accounts contain the following.

Annexure-1 Plant availability factor monthly of Generating stations(PAFM).

Annexure-2 Monthly weighted average entitlement of Distribution licensees

Annexure-3 Energy scheduled & Incentive Energy to beneficiaries from generating stations.

Annexure-4 Details of Open Cycle operation of G.T.Stations in Delhi (PPCL ,Bawana,Rithala & IPGCL)

Annexure-5 Details of Energy booked from TOWMCL plant ,East Delhi MSW & MSW Bawana.

Annexure-6 Details of Energy scheduled from Energy Exchanges.

Annexure-7 Details of Energy Requisition from ISGS below 85% of Entitelment

The Accounts are posted in SLDC website also.

This is for your information and further necessary action please.

Encl: As above

Manager(EA/SO)

Copy for kind information:

The Secretary, DERC

CEO, BSES Rajdhani Power Ltd,BSEB Bhavan, N Delhi-19

CEO, BSES Yamuna Power Ltd, Shakti Kiran Bldg, N. Delhi-92

GM(T),SLD

DGM(T) TO DIR (OPERATION)

G.M.(O&M-I),DTL

G.M.(O&M-II),DTL

G.M.(C&RA),DTL

D.G.M.(SO)

D.G.M.(SCADA)

DELHI TRANSCO LIMITED Intra
State Load Despatch Centre

Provisional Energy Accounts for the month of Jan'21

A Details of Plant Availability factor for the month of Generating Station with in Delhi

Stations	Period	PAFM in %	PAFN in %
GT	Apr'20	86.63	86.63
	May'20	85.32	85.97
	Jun'20	84.49	85.48
	July'20	84.78	85.30
	Aug'20	86.88	85.62
	Sept'20	87.40	85.91
	Oct'20	88.51	86.29
	Nov'20	88.50	86.56
	Dec'20	89.34	86.87
	Jan'21	89.50	87.14
PPCL	Apr'20	97.54	97.54
	May'20	89.73	93.54
	Jun'20	93.25	93.46
	July'20	93.86	93.56
	Aug'20	95.86	93.56
	Sept'20	93.50	93.93
	Oct'20	68.05	90.18
	Nov'20	68.63	87.53
	Dec'20	105.03	89.50
	Jan'21	107.34	91.31

Stations	Period	Season	Peak Hour		Off-Peak Hour		PAFM in %	PAFN in %
			PAFM in %	PAFMpn in %	PAFM in %	PAFMopn in %		
Bawana	Apr'20	Low Demand	103.99	103.99	100.10	100.10	100.75	100.75
	May'20	Low demand	96.00	99.93	96.12	98.07	96.1	98.38
	June'20*	High Demand	92.45	92.45	91.78	91.78	91.89	91.89
	July'20*	High Demand	82.82	87.56	83.65	87.65	83.15	87.45
	Aug'20**	High Demand	80.19	85.08	80.77	85.33	80.17	85.00
	Sept'20**	Low Demand	63.57	87.94	63.17	86.57	62.78	81.36
	Oct'20***	Low demand	81.14	86.22	81.97	85.40	81.79	85.41
	Nov'20****	Low demand	97.30	88.40	99.00	88.08	98.71	88.04
	Dec'20*****	Low demand	99.27	90.24	99.08	89.95	99.07	89.91
	Jan'21*****	Low demand	103.20	92.12	103.22	91.87	103.22	91.83

As per CEA & BTPS vide their letter dated 02.11.18 & 15.11.18 regarding decommissioning of all the units of BTPS w.e.f 15.10.18 of 24:00 Hrs, the Availability of BTPS consider only upto 15.10.18.

* Peak Hrs are 19:30 hrs to 23:30 hrs, **Peak Hrs are 19.00hrs to 23.00 Hrs, ***Peak Hrs are 18.30hrs to 22.30hrs

****Peak Hrs are 17.30hrs to 21.30hrs, *****Peak Hrs are 06.00Hrs to 08.00 Hrs and 17.00hrs to 19.00hrs.

*****Peak Hrs are 06.45Hrs to 08.45 Hrs and 17.00hrs to 19.00hrs.

The PAFM & PAFN shall be calculated with the following formula as per CERC Regulation for FY 19-20 to FY 23-24 dated 07.04.2019.

$$\text{PAFM or PAFN} = 10000^{**} \frac{\text{Dci}}{i=1} \{N * IC * (100 - \text{Aux})\} \%$$

AUX = Normative Auxiliary Energy Consumption in %

Dci = Average Declared Capacity (in Ex-bus MW),

IC = Installed Capacity (in MW) of the Generating station

N = Number of days during the period i.e. month or the year as the case may be.

PAFM = Plant Availability factor Achieved during the month in %

PAFN = Plant Availability factor Achieved during upto the end of month in %

PAFMpn = Plant Availability Factor achieved during Peak Hours upto the end of nth Month in a Season

PAFMopn = Plant Availability Factor achieved during Off-Peak Hours upto the end of nth Month in a Season

The capacity charge payable to a thermal generating station for a calendar month for Generating Stn covered under CERC Regulation month shall be calculated in accordance with the following formulae:

Cap.Charge for the Year (CCy) = Sum of Cap.Charge for 3 months of High Demand Season + Sum of Cap.Charge for 9 months of Low Demand Season

Cap.Charge for the Month (CCm) = Cap.Charge for Peak Hours of the Month (CCp) + Cap.Charge for Off-Peak Hours of the Month (CCop)

DELHI TRANSCO LIMITED Intra
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

B) Weighted Avg. Entitlement of Distribution Licensees based on DERC order on re-assignment of PPAs

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	IP	RPH
GT	Apr'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	May'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Jun'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	July'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Aug'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Sept'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Oct'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Nov'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Dec'20	60.885	8.567	30.178	0.000	0.000	0.000	0.37
	Jan'21	60.885	8.567	30.178	0.000	0.000	0.000	0.37
PPCL	Apr'20	28.290	16.070	19.280	30.300	6.060		
	May'20	28.290	16.070	19.280	30.300	6.060		
	Jun'20	28.290	16.070	19.280	30.300	6.060		
	July'20	28.290	16.070	19.280	30.300	6.060		
	Aug'20	28.290	16.070	19.280	30.300	6.060		
	Sept'20	28.290	16.070	19.280	30.300	6.060		
	Oct'20	28.290	16.070	19.280	30.300	6.060		
	Nov'20	28.290	16.070	19.280	30.300	6.060		
	Dec'20	28.290	16.070	19.280	30.300	6.060		
	Jan'21	28.290	16.070	19.280	30.300	6.060		

Weighted Avg. entitlement of beneficiaries from Bawana CCGT as per DERC order

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	HYN	PUNJAB
Bawana	Apr'20	31.13	18.00	21.75	7.30	1.82	10	10
	May'20	31.13	18.00	21.75	7.30	1.82	10	10
	Jun'20	31.13	18.00	21.75	7.30	1.82	10	10
	July'20	31.13	18.00	21.75	7.30	1.82	10	10
	Aug'20	31.13	18.00	21.75	7.30	1.82	10	10
	Sept'20*	35.13	6.00	21.75	15.30	1.82	10	10
	Oct'20	35.13	6.00	21.75	15.30	1.82	10	10
	Nov'20	35.13	6.00	21.75	15.30	1.82	10	10
	Dec'20	35.13	6.00	21.75	15.30	1.82	10	10
	Jan'21	35.13	6.00	21.75	15.30	1.82	10	10

* Allocation revised as per DERC Tariff order for FY20-21

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

Weighted Avg. entitlement of beneficiaries from MSW Bawana as per DERC order

Stations	Period	BRPL	BYPL	TPDDL	NDMC
MSW Bawana	Jan'21	41.810	23.900	29.200	5.090

Cum. Weighted Avg. entitlement of beneficiaries from PPCL& Bawana CCGT

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	HYN	PUNJAB
Bawana	Upto Jan'21	33.130	12.001	21.750	11.299	1.820	10	10
PPCL	Upto Jan'21	28.2900	16.0700	19.2800	30.3000	6.0600		

Cum. Weighted Avg. entitlement of beneficiaries from GT

Stations	Period	BRPL	BYPL	TPDDL	NDMC	MES	IP	RPH
GT	Upto Jan'21	60.885	8.567	30.178	0.000	0.000	0.000	0.37

- * COD of GT#1 & GT #2 with associated WHR unit#1 of BAWANA are on 27.12.2011, 00:00 hrs, 16.07.2012 at 00:00 hrs & 01.04.2012,00:00 hrs respectively
 IC of BAWANA GTUnit #1&#: 216 MW (as decided in the meeting held on 03.02.12 at Bawana CCGT)
 Associated WHRUnit#1 126.8MW
 Associated WHRUnit#2 126.8MW (CoD on 14.02.2012 at 0.00 Hrs)
 COD on Open Cycle of GT#3 of Module-2 of BAWANA on 28/10/13 at 0.00 Hrs
 COD on Open Cycle of GT#4 of Module-2 of BAWANA on 27/02/14 at 0.00 Hrs
 COD on combined Cycle of complete Module-2 of Bawana on 27.03.2014 at 00.00 Hrs(WHR unit of 253.06 MW declared in Commercial Operation w.e.f 27.03.2014).
- ** COD of GT#1 & GT #2 with associated WHR unit comprising of total capacity 94.8 MW(31.6*3) of Rithal on combined cycle mode on 04.09.11
- *** Operation of BTPS plant has been discontinued from 15th October 2018 as per GNTCTD order dated 12.11.18
- **** As per GNCTD order dated 26.08.2019 @ 1 MW allocated from GT to RPH for decommissioning & withdraw the 0.35 MW allocated power to IP from GT w.e.f 01.09.2019

Intra
DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

C) Weighted Avg. entitlement of Distribution Licensees from ISGS

Stations	Total share in %	BRPL	BYPL	TPDDL	NDMC	BTPS
ANTA GPP	10.500	4.612	2.667	3.221		
AURIYAGPP	10.860	4.770	2.758	3.332		
BAIRASIUL	11.000	4.831	2.794	3.375		
CHAMERAHEP	7.900	3.470	2.007	2.423		
CHAMERA-II HEF	13.330	5.854	3.386	4.090		
CHAMERA-III HE	12.734	5.593	3.234	3.907		
DADRI GPP	10.960	4.814	2.783	3.363		
DADRI TPS	90.000	66.580	7.348	1.191	14.881	
DADRI-II TPS	74.156	55.320	17.820	1.016		
DHAULIGANGA	13.210	5.802	3.355	4.053		
DULAHSTI HEP	12.830	5.635	3.259	3.936		
JHAJJAR	46.200	0.6653	4.6154	40.9193		
KOLDAM HEP	0.000	0.000	0.000	0.000		
KOTESHWAR	9.860	6.835	0.000	3.025		
NAPP	10.680	7.403	0.000	3.277		
NATHPA JHAKRI	9.470	4.1592	2.4054	2.9054		
RAPP C	12.690	5.574	3.223	3.893		
RIHAND STPS	10.000	6.932	0.000	3.068		
RIHAND-II STPS	12.600	5.534	3.200	3.866		
RIHAND-III STPS	13.191	7.817	5.374	0.000		
SEWA-II HEP	13.330	5.855	3.385	4.090		
SINGRAULI	7.500	1.482	3.717	2.301		
SALAL HEP	11.620	8.669	2.951	0.000		
TEHRI HEP	6.300	4.367	0.000	1.933		
TANAKPUR	12.810	5.626	3.254	3.930		
UNCHAHAR-I	5.710	2.508	1.450	1.752		
UNCHAHAR-II	11.190	4.9146	2.8423	3.4331		
UNCHAHAR-III	13.810	6.0654	3.5077	4.2369		
URI HEP-I	11.040	4.849	2.804	3.387		
PARBATI-III	12.730	5.591	3.233	3.906		
URI HEP-II	13.452	5.908	3.417	4.127		
FARAKKA	1.390	0.610	0.353	0.427		
KAHALGAON-I	6.070	2.666	1.542	1.862		
KAHALGOAN-II	10.490	4.607	2.665	3.218		
SASAN	11.250	1.6686	8.8911	0.6903		
Talcher		0.0000	0.0000	0.0000		0.000000
SINGRAULI HYD	19.130	0.0000	0.0000	19.130		

The allocation from Sasan, Singrauli, Dadri(Th)-I & Jhajjar was revised w.e.f. 01.08.2014 as per DERC order for FY14-15 & further allocation from sasan, BTPS & GT are revised w.e.f 08.10.2015 as per DERC Tariff order for FY 15-16. The swapping of power b/w TPDDL & BYPL from Sasan & BTPS as done by DERC vide Tariff order for FY 15-16 has been stayed by ATE & stay is implemented w.e.f 04.05.16 with the direction of DERC

*Allocation from GT, Dadri(th)-I&II, Sasan, Aravli Jhajjar, Rihand-I, NAPP & all NHPC Stns has been changed as per DERC order dated 27.03.18 w.e.f 01.04.2018

**Allocation from Singrauli Hydro to TPDDL as per NRPC Allocation order w.e.f. 08.03.2018

Intra
DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

D) Cum. Weighted Avg. entitlement of Distribution Licensees from ISGS

Stations	Total share in %	BRPL	BYPL	TPDDL	NDMC	BTPS
ANTA GPP	10.500	4.612	2.667	3.221		
AURIYAGPP	10.860	4.770	2.758	3.332		
BAIRASIUL	11.000	4.831	2.794	3.375		
CHAMERAHEP	7.900	3.470	2.007	2.423		
CHAMERA-II HEP	13.330	5.854	3.386	4.090		
CHAMERA-III HE	12.734	5.593	3.234	3.907		
DADRI GPP	10.960	4.814	2.783	3.363		
DADRI TPS	90.000	66.580	7.348	1.191	14.881	
DADRI-II TPS	74.224	55.371	17.836	1.017		
DHAULIGANGA	13.210	5.802	3.355	4.053		
DULAHSTI HEP	12.830	5.635	3.259	3.936		
JHAJJAR	46.200	0.6653	4.6154	40.9193		
KOLDAM HEP	0.000	0.000	0.000	0.000		
KOTESHWAR	9.860	6.835	0.000	3.025		
NAPP	10.680	7.403	0.000	3.277		
NATHPA JHAKRI	9.470	4.1592	2.4054	2.9054		
RAPP C	12.690	5.574	3.223	3.893		
RIHAND STPS	10.000	6.932	0.000	3.068		
RIHAND-II STPS	12.600	5.534	3.200	3.866		
RIHAND-III STPS	13.191	7.817	5.374	0.000		
SEWA-II HEP	13.330	5.855	3.385	4.090		
SINGRAULI	7.500	1.482	3.717	2.301		
SALAL HEP	11.620	8.669	2.951	0.000		
TEHRI HEP	6.300	4.367	0.000	1.933		
TANAKPUR	12.810	5.626	3.254	3.930		
UNCHAHAR-I	5.710	2.508	1.450	1.752		
UNCHAHAR-II	11.190	4.9146	2.8423	3.4331		
UNCHAHAR-III	13.810	6.0654	3.5077	4.2369		
URI HEP-I	11.040	4.849	2.804	3.387		
PARBATI-III	12.730	5.591	3.233	3.906		
URI HEP-II	13.452	5.908	3.417	4.127		
FARAKKA	1.390	0.610	0.353	0.427		
KAHALGAON-I	6.070	2.666	1.542	1.862		
KAHALGOAN-II	10.490	4.607	2.665	3.218		
SASAN	11.250	1.6686	7.9978	1.5836		
Talcher	0.1140	0.0000	0.0000	0.0000		0.1140
SINGRAULI HYD	19.130	0.0000	0.0000	19.130		

* Allocation from Talcher to BTPS @2MW withdraw w.e.f 31.08.2020 from 17.00 Hrs

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

E) Details of Energy Scheduled to the Licensees (in Mus) from Generating Stations with in Delhi

Stations	Licensees	Scheduled Energy
GT(APM, PMT,RLNG)	BRPL	18.120938
	BYPL	2.223244
	TPDDL	8.406343
	RPH	0.351600
	MES	0.000000
	Total	29.102125
GT(S-RLNG)	BRPL	0.017722
	BYPL	0.002493
	TPDDL	0.008785
	RPH	0.000000
	MES	0.000000
	Total	0.029000
PPCL(APM, PMT,RLNG)	BRPL	33.728208
	BYPL	18.999204
	MES	7.134585
	NDMC	36.077895
	TPDDL	22.972858
	Total	118.912750

*As per the Govt. of NCT of Delhi Order dated 20.05.11 w.e.f 01.04.11 onwards, the Auxiliary Power to the tune of 1 MW to IP is allocated from RPH at Ex-Bus., Further as per GNCTD order dt 26.07.2016 w.e.f 01.09.2016 onwards, 0.35MW Auxillary Power reallocated to IP from GT in place of RPH.

* PPCL & GT stns are scheduled under System / Transmission constrains of Delhi as per MoM dated 14.09.18. As per DERC Business Plan Regulation 2019 IPGCL & PPCL Generating Stations for MYT control Period FY 2020-21 & CERC Tariff Regulation for 2014-19 for Bawana, the salient feutes are as under.

Details of Tariff component	PPCL	GT	Bawana
Normative Annual Plant Availabilty Factor in	85	85	85
SHR in Kcal/Kwh	Closed Cycle	2000	2450
	Open Cycle	2900	3125
Aux. Cons in %	Closed Cycle	2.75	2.75
	Open Cycle	1	1

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

F) Details of Energy Scheduled to the Licensees (in Mus) from Generating Stations with in Delhi

Stations	Licensees	Scheduled Energy
PPCL (S-RLNG)	BRPL BYPL MES NDMC TPDDL	
	Total	0.000000
Bawana(APM, PMT)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	78.420895 13.634730 4.094835 18.389546 47.446554 18.758620 16.489645
	Total	197.234824
Bawana (RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	
	Total	0.000000
Bawana (S-RLNG)	BRPL BYPL MES NDMC TPDDL HARYANA PUNJAB	
	Total	0.000000

Note : Refer to Minutes of Meeting held on 06.07.2020 regarding Bawana.

Intra
DELHI TRANSCO LIMITED
 State Load Despatch Centre
 Provisional Energy Accounts for the month of Jan'21

G) Details of Energy Scheduled to the Licensees (in Mus) from ISGS

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC	BTPS	N. Railway
ANTA GF	0.0000000	0.0000000	0.0000000	0.0000000			
ANTA RF	0.0000000	0.0000000	0.0000000	0.0000000			
ANTA CRF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA CRF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA GF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA LF	0.0000000	0.0000000	0.0000000	0.0000000			
AURIYA RF	0.0000000	0.0000000	0.0000000	0.0000000			
BAIRASIUL	1.7266150	0.7583293	0.4385602	0.5297255			
CHAMERAHEP	3.9980830	1.7559581	1.0155131	1.2266119			
CHAMERA-II HEP	4.4192147	1.9409191	1.1224805	1.3558151			
CHAMERA-III HEP	2.3995564	1.0538852	0.6094873	0.7361839			
DADRI CRF	3.0144327	2.3463678	0.6419302	0.0261347			
DADRI GF	10.4755493	4.4765260	2.4708483	3.5281751			
DADRI LF	0.0139746	0.0061453	0.0035338	0.0042955			
DADRI RF	0.0000000	0.0000000	0.0000000	0.0000000			
DADRI TPS	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000		
DADRI-II TPS	388.3610997	301.8968507	82.0719378	4.3923113	0.0000000		
DHAULIGANGA	3.4484058	1.5145398	0.8758951	1.0579709			
DULAHSTI HEP	10.6379961	4.6722079	2.7020510	3.2637372			
JHAJJAR	287.8482645	0.1427559	0.9776149	286.7278936			
ANTA LF	0.0000000	0.0000000	0.0000000	0.0000000			
KOTESHWAR	9.3915440	6.5102183	0.0000000	2.8813257			
NAPP	7.8503334	5.4418511	0.0000000	2.4084823			
NAPTHA JHAKRI	18.4328739	8.0957182	4.6819500	5.6552057			
RAPP C	28.9162164	12.7000022	7.3447190	8.8714952			
RIHAND STPS	59.0076156	39.1647855	0.0000000	19.8428301			
RIHAND-II STPS	77.8977194	32.0190727	20.8710038	25.0076429			
RIHAND-III STPS	56.4210329	32.4242270	23.9968059	0.0000000			
SEWA-II HEP	0.0000000	0.0000000	0.0000000	0.0000000			
SINGRAULI	88.1608041	15.7161179	47.2762304	25.1684557			
SALAL HEP	14.1926698	10.5877317	3.6049381	0.0000000			
TEHRI HEP	16.0314196	11.1129801	0.0000000	4.9184395			
TANAKPUR	1.0920597	0.4796326	0.2773832	0.3350439			
UNCHAHAR-I	13.1182672	6.1955107	3.1144029	3.8083536			
UNCHAHAR-II	25.4955981	12.0822314	6.0632336	7.3501331			
UNCHAHAR-III	15.7192425	7.4158342	3.7450621	4.5583461			
URI HEP	14.7295680	6.4692263	3.7413103	4.5190315			
URI-II HEP	10.2181717	4.4878210	2.5954156	3.1349351			
TALA	2.2210377	0.975480	0.564144	0.681414			
PARBATI-III	1.3404537	0.5887273	0.3404752	0.4112512			
FARAKA	11.8069400	5.4863187	3.0519052	3.2687161	0.0000000		
KAHALGAON-I	20.1258800	8.8197237	5.5505839	5.7555723	0.0000000		
KAHALGAON-II	61.7684750	27.0399278	16.7336818	17.9948655	0.0000000		
SASAN	277.1517800	41.0053592	219.1386791	17.0077417	0.0000000		
Talcher							
Nabinagar STPS(BRBCL)	2.6277460						2.6277460
SINGRAULI HYD	0.0883460			0.0883460			

All Hydro, Nuclear & Renewable stns scheduled by RLDC under must run stns vide MoM dated 14.09.18.

** Energy from Tala based on implemented schedule issued by NRLDC

*** Energy from Talcher scheduled from 24.08.19 to BTPS for their Aux. Power consumption.

*** Energy from BRBCL scheduled from 15.01.2020 to N Railway.

Note: The above Scheduled energy include the URS energy booked to Delhi Discoms.

DELHI TRANSCO LIMITED
State Load Despatch Centre

Provisional Energy Accounts for the month of Jan'21

G) Details of Energy Scheduled to the Licensees (in Mus) from Long term Bilaterals/Medium Term

Stations	Total in MUs	BRPL	BYPL	TPDDL	NDMC	Northern Railway (Delhi)
DVC(LT-3) at Ex-NRperiphery	145.639710	64.097614	37.213950	44.328146		
DVC(LT-3) at Ex-NR State Per2012_02	140.072775	61.647545	35.791484	42.633746		
DVC(MEJIA)(LT-4) at Ex-NR Per	54.019339	26.367000	13.494076	14.158263		
DVC(MEJIA)(LT-4) at Ex-NR State Periphery2012_07	52.0331825	25.39755107	12.9979327	13.63769873		
DVC(MEJIA7)(LT-8) at NR Per	70.601630		70.6016300			
DVC(MEJIA7)(LT-8) at NR State periphery2012_04	67.911860		67.9118600			
Haryana CLP Jhajjar(LT-5) at EX-NR per	61.103488			61.1034880		
Haryana CLP Jhajjar(LT-5) at EX-NR State	58.774975			58.7749750		
DVC(MPL-DVC)(LT-6) at Ex-NR per	97.427832			97.4278320		
DVC(MPL-DVC)(LT-6) at Ex-NR State	93.766220			93.7662200		
JITPL MT20 at Ex-NR periphery M2018_01	4.9968950					4.9968950
JITPL MT20 at Ex-NR State periphery	4.8061820					4.8061820
Himachal(LT-59) at Ex-NR periphery	0.6196880			0.6196880		
Himachal(LT-59) at Ex-NR state peri	0.5964700			0.5964700		
Tuticorin_GIREL (L_NR_2018_61) at Ex-NR periphery	10.7766320	10.7766320				
Nanti Hyd (L_NR_2019_11) at NR periphery	0.8353600			0.8353600		
Nanti Hyd (L_NR_2019_11) at NR State peri	0.8035250			0.8035250		
SEISPPL-MP (L_NR_2019_19) at NR & state PP	22.9189120			22.9189120		
Tarenda Hyd, HP(L_NR2020_02) at NR PP	1.2689500			1.2689500		
Tarenda Hyd, HP(L_NR2020_02) at State PP	1.2203800			1.2203800		
Alfanar wind SECI-3(L_NR2020_05,06 & 07) at NR & state PP	47.1954200	28.3172500	9.4390850	9.4390850		
SECI at NR & state	9.3677420	3.173452	3.097208	3.097082		

* Power is scheduled to Northern Railway (as deemed licensee of Delhi) from JITPL under MTOA w.e.f. 31.03.2018

* Power is scheduled to BRPL, BYPL & TPDDL from Alfanar wind Seci w.e.f. 29.07.2020

Intra

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

J) Details of Cum. Incentive Energy Scheduled to the Licensees (in Mus) from ISGS

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	41.3889449	17.7108190	10.7331926	12.9449333	
RIHAND-III STPS	39.8907378	23.5433422	16.3473956	0.0000000	

J1) INCENTIVE ENERGY FOR PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (Low Demnd season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	8.5455020	3.6881494	2.1817716	2.6755810	
RIHAND-III STPS	4.0917844	2.4254412	1.6663432	0.0000000	

J2) INCENTIVE ENERGY FOR OFF PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (Low Demad season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	28.5010186	12.0981156	7.5195617	8.8833413	
RIHAND-III STPS	19.5979282	11.5011212	8.0968070	0.0000000	

As per CERC Regulation PLF for Incentive energy is calculated as under

$$PLF = 10000 \times \sum_{i=1}^{N} \frac{SG_i}{N \times IC \times (100 - AUX_n)} \%$$

Where,

IC = Installed Capacity of the generating station or unit in MW,

SG_i = Scheduled Generation in MW for the ith time block of the period,

N = Number of time blocks during the period, and

AUX_n = Normative Auxiliary Energy Consumption as a percentage of gross energy generation

Incentive to a generating station or unit thereof shall be payable at a flat rate of 50 paise/kWh for ex-bus scheduled energy corresponding to scheduled generation in excess of ex-bus energy corresponding to Normative Annual Plant Load Factor (NAPLF)

Intra

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

J3) INCENTIVE ENERGY FOR PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (High Demnd season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.6105109	0.4188670	0.0000000	0.1916439	
RIHAND-II STPS	3.4655583	1.5204632	0.8681361	1.0769590	
RIHAND-III STPS	4.5541876	2.7201454	1.8340422	0.0000000	

J4) INCENTIVE ENERGY FOR OFF PEAK HOURS BEYOND TARGET PLF FOR Thermal Stations (High Demad season)

Stations	Total for State in Mus	BRPL	BYPL	TPDDL	NDMC
RIHAND-I STPS	0.0000000	0.0000000	0.0000000	0.0000000	
RIHAND-II STPS	0.8894077	0.3843381	0.2242931	0.2807765	
RIHAND-III STPS	11.3781521	6.7716773	4.6064748	0.0000000	

As per CERC Regulation PLF for Incentive energy is calculated as under

$$PLF = 10000 \times \sum_{i=1}^{N} SG_i / \{N \times IC \times (100 - AUX_n)\} \%$$

Where,

IC = Installed Capacity of the generating station or unit in MW,

SG_i = Scheduled Generation in MW for the ith time block of the period,

N = Number of time blocks during the period, and

AUX_n = Normative Auxiliary Energy Consumption as a percentage of gross energy generation

Incentive to a generating station or unit thereof shall be payable at a flat rate of 50 paise/kWh for ex-bus Scheduled energy corresponding to scheduled generation in excess of ex-bus energy corresponding to Normative Annual Plant Load Factor (NAPLF)

DELHI TRANSCO LIMITED^{Intra}
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

K) Details of Open Cycle operation of G.T.Stations in Delhi

Stations	Unit No.	Date	From(Hrs)	Date	Upto(Hrs)
GT	1	08.01.2021	9:31	08.01.2021	10:30
		13.01.2021	17:10	13.01.2021	17:55
	2	03.01.2021	23:18	04.01.2021	5:22
		20.01.2021	11:15	20.01.2021	12:15
PPCL	1	13.01.2021	18:34	13.01.2021	19:24
		13.01.2021	20:15	13.01.2021	21:14
Bawana	1	01.01.2021	12:30	01.01.2021	15:30
	3	29.01.2021	4:30	29.01.2021	5:00
	3	29.01.2021	8:30	29.01.2021	14:30

DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

L) Details of Energy Injected by TOWMCL as per SEM

Month	Total Injection by TOWMCL* in Mus(as per SEM)
Jan'21	10.737373

*TOWMCL declared Commercial Operation of the plant w.e.f 01.09.2012

M) Details of Energy Injected by East Delhi Municipal Waste Plant

Month	Total Injection by EDMWP* in Mus(as per SEM)
Jan'21	2.689727

*EDWPCCL declared CoD of the plant @10 MW w.e.f 28.04.2017 at 00.00 Hrs as per 18th GCC MoM dated 02.01.2018 & scheduled as per 20th GCC meeting held on 28.11.2018.

N) Details of Energy Injected & Scheduled by MSW Bawana

all figures are in Mus

Period	Total	BRPL (41.81%)	BYPL (23.9%)	TPDDL (29.2%)	NDMC (5.09%)
Jan'21	9.457563	3.954207	2.260357	2.761608	0.481390

*MSW Bawana declared CoD of one unit no # 01 @12 MW w.e.f 10.01.2017 at 00.00 Hrs & unit #2 @ 12 MW w.e.f 28.02.17 at 0.00 Hrs

Intra
DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

O) Details of Collective Transactions (in Mus) from Energy Exchange

Energy Exchange	Licensees	Purchase		Sale	
		Day Ahead	RTM	Day Ahead	RTM
IEX	BRPL	184.5186150	12.9511300	-11.6900000	-14.739953
	BYPL	3.8117950	2.7229050	-41.4090750	-25.56525
	TPDDL	10.6398250	11.7631100	-48.8510150	-8.7647475
	NDMC	26.3117000	5.3082075	0.0000000	0
	MES	13.1040350	0.2456375	0.0000000	-0.01625
	N. Railway	0.0154825	0.0116100	0.0000000	0
	Total	238.4014525	33.0026000	-101.9500900	-49.0862000
PXI	BRPL	0.0000000		0.0000000	
	BYPL	0.0000000		0.0000000	
	TPDDL	0.0000000		0.0000000	
	NDMC	0.0000000		0.0000000	
	MES	0.0000000		0.0000000	
	Total	0.0000000		0.0000000	

All figures are at Delhi Periphery after excluding the ISOA customer purchase/sale through Exchange.

Intra
DELHI TRANSCO LIMITED
State Load Despatch Centre
Provisional Energy Accounts for the month of Jan'21

P) Details of Energy Requisition from ISGS below 85 % of Entitelment

Station Name	Cumulative upto this month in Mus							Total
	Delhi	BRPL	BYPL	TPDDL	NDMC	BTPS	N.Railway	
ANTA	231.463424	104.185190	60.845716	66.432517				231.463424
AURAIYA	367.808818	164.098676	96.239535	107.470606				367.808818
DADRI	367.496549	156.434485	105.787726	105.274338				367.496549
DADRI	4082.462973	2996.680103	350.360304	52.072497	683.350069			4082.462973
DADRI-II	2261.805694	1544.569853	686.362967	30.872874				2261.805694
IGSTPS-JHAJJAR	3539.264854	55.973194	388.071146	3095.220513				3539.264854
RIHAND	0.000000							
RIHAND-II	0.000000							
RIHAND-III	0.000000							
SINGRAULI	0.000000							
UNCHAHAR-I	42.955805	13.678835	14.664488	14.612482				42.955805
UNCHAHAR-II	73.970662	24.012333	23.234875	26.723454				73.970662
UNCHAHAR-III	25.461592	6.074330	10.260789	9.126473				25.461592
FARAKKA	23.354853	5.529847	7.252881	10.572125				23.354853
KAHALGAON1	17.485016	10.604562	3.373248	3.507206				17.485016
KAHALGAON-	16.694266	10.362803	4.211494	2.119969				16.694266
NABINAGAR	1.416588						1.416588	1.416588
TALCHER	1.555388					1.555388		1.555388